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**GSM**

GLOBAL SYSTEM FOR  
MOBILE COMMUNICATIONS

**Digital cellular telecommunications system (Phase 2);  
Mobile Station (MS) conformance specification;  
Part 3: Layer 3 (L3) Abstract Test Suite (ATS)  
(GSM 11.10-3)**

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## Foreword

This draft European Telecommunication Standard (ETS) has been produced by the Special Mobile Group (SMG) Technical Committee of the European Telecommunications Standards Institute (ETSI) and is now submitted for the Unified Approval Procedure (UAP) phase of the ETSI standards approval procedure.

This ETS describes the technical characteristics and methods of test for Mobile Stations (MSs), operating in the 900 MHz and 1 800 MHz frequency band (GSM 900 and DCS 1 800) within the digital cellular telecommunications system.

This ETS corresponds to GSM technical specification GSM 11.10-3 version 4.15.0.

This part of the ETS (Part 3), contains Tree and Tabular Combined Notation (TTCN) for Layer 3 conformity specifications for which mobile stations, within the digital cellular telecommunications system (Phase 2), are tested for compliance.

### The graphical form ATS

The TTCN.GR representation of this ATS is contained in a PDF file (L3-4160.PDF<sup>1</sup>) which accompanies this ETS and in annex A of this ETS.

### The machine processable ATS

The TTCN.MP representation corresponding to this ATS for Layer 3 is contained in an ASCII file (L3-4160.MP<sup>1</sup>) which accompanies this ETS.

ETS 300 607 consists of three parts, which have the following ETS numbers and titles:

ETS 300 607-1            Digital cellular telecommunications system (Phase 2);  
Mobile Station (MS) conformance specification;  
Part 1: Conformance specification

Reference: GSM 11.10-1.

ETS 300 607-2            Digital cellular telecommunications system (Phase 2);  
Mobile Station (MS) conformance specification;  
Part 2: Protocol Implementation Conformance Statement (ICS)  
proforma specification

Reference: GSM 11.10-2.

**ETS 300 607-3            Digital cellular telecommunications system (Phase 1);  
Mobile Station (MS) conformance specification;  
Part 3: Layer 3 (L3) Abstract Test Suite (ATS)**

**Reference: GSM 11.10-3.**

Reference is made within this draft ETS to GSM-TSs (note).

NOTE:            TC-SMG has produced documents which give the technical specifications for the implementation of the European digital cellular telecommunications system. Historically, these documents have been identified as GSM Technical Specifications (GSM-TSs). These TSs may have subsequently become I-ETTs (Phase 1), or ETSS (Phase 2), whilst others may become ETSI Technical Reports (ETRs). GSM-TSs are, for editorial reasons, still referred to in current GSM ETSS.

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<sup>1</sup>) This file is located in an archive file named 6073\_EU.LZH. Other file formats are available on request.

Proposed transposition dates	
Date of latest announcement of this ETS (doa):	3 months after ETSI publication
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	6 months after doa
Date of withdrawal of any conflicting National Standard (dow):	6 months after doa

## 1 Scope

This European Telecommunications Standard specifies the Abstract Test Suite (ATS) and partial IXIT proforma for the Network Layer (Layer 3) at the mobile radio interface of the GSM or DCS (Phase 2) mobile stations (MS) conforming to the ETSs for the Radio Resource management, the Mobility Management, the circuit-switched Call Control, the Supplementary Services and Short Message Services for the digital cellular telecommunications systems (Phase 2).

The ISO standards for the methodology of conformance testing are used as the basis for the test specifications.

## 2 Normative references

This ETS incorporates by dated and undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this ETS only when incorporated in it by amendment or revision. For undated references, the latest edition of the publication referred to applies.

- [1] ISO/IEC 9646-1: "Information Technology-OSI- Conformance Testing Methodology and Framework, Part 1: General Concepts".
- [2] ISO/IEC 9646-2: "Information Technology-OSI- Conformance Testing Methodology and Framework, Part 2: Abstract Test Suite Specification".
- [3] ISO/IEC 9646-3: "Information Technology-OSI- Conformance Testing Methodology and Framework, Part 3: The Tree and Tabular Combined Notation".
- [4] ISO/IEC 9646-5: "Information Technology-OSI- Conformance Testing Methodology and Framework, Part 5: Requirements on test laboratories and clients for the conformance assessment process".
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- [6] ISO/IEC 8825: "Information Technology-OSI- Specification of Basic Encoding Rules for Abstract Syntax Notation One (ASN.1)".
- [7] ITU-T Recommendation Q.773: "Specifications of Signalling System No.7; Transaction capabilities formats and encoding".
- [8] ETS 300 287: "Integrated Services Digital Network (ISDN); CCITT Signalling System No.7, Transaction Capabilities Application Part (TCAP) version 2".
- [9] ETS 300 406 (January 1995): "Methods for Testing and Specification (MTS); Protocol and profile conformance testing specifications: Standardization methodology".
- [10] ETS 300 501 (GSM 02.02): "Digital cellular telecommunication system (Phase 2); Bearer Services (BS) supported by a GSM Public Land Mobile Network (PLMN)".
- [11] ETS 300 502 (GSM 02.03): "Digital cellular telecommunication system (Phase 2); Teleservices supported by a GSM Public Land Mobile Network (PLMN)".
- [12] ETS 300 504 (GSM 02.06): "Digital cellular telecommunication system (Phase 2); Types of Mobile Stations (MS)".
- [13] ETS 300 505 (GSM 02.07): "Digital cellular telecommunication system (Phase 2); Mobile Station (MS) features".

- [14] ETS 300 511 (GSM 02.30): "Digital cellular telecommunication system (Phase 2); Man-Machine Interface (MMI) of the Mobile Station (MS)".
- [15] ETS 300 523 (GSM 03.03): "Digital cellular telecommunication system (Phase 2); Numbering, addressing and identification".
- [16] ETS 300 527 (GSM 03.09): "Digital cellular telecommunication system (Phase 2); Handover procedures".
- [17] ETS 300 528 (GSM 03.10): "Digital cellular telecommunication system (Phase 2); GSM Public Land Mobile Network (PLMN) connection types".
- [18] ETS 300 529 (GSM 03.11): "Digital cellular telecommunication system (Phase 2); Technical realization of supplementary services".
- [19] ETS 300 530 (GSM 03.12): "Digital cellular telecommunication system (Phase 2); Location registration procedures".
- [20] ETS 300 532 (GSM 03.14): "Digital cellular telecommunication system (Phase 2); Support of Dual Tone Multi-Frequency signalling (DTMF) via the GSM system".
- [21] ETS 300 535 (GSM 03.22): "Digital cellular telecommunication system (Phase 2); Functions related to Mobile Station (MS) in idle mode".
- [22] ETS 300 536 (GSM 03.40): "Digital cellular telecommunication system (Phase 2); Technical realization of the Short Message Service (SMS) Point to Point (PP)".
- [23] ETS 300 537 (GSM 03.41): "Digital cellular telecommunication system (Phase 2); Technical realization of Short Message Service Cell Broadcast (SMSCB)".
- [24] ETS 300 550 (GSM 04.01): "Digital cellular telecommunication system (Phase 2); Mobile Station - Base Station System (MS - BSS) interface General aspects and principles".
- [25] ETS 300 552 (GSM 04.03): "Digital cellular telecommunication system (Phase 2); Mobile Station - Base Station System (MS - BSS) interface Channel structures and access capabilities".
- [26] ETS 300 553 (GSM 04.04): "Digital cellular telecommunication system (Phase 2); layer 1 General requirements".
- [27] ETS 300 554 (GSM 04.05): "Digital cellular telecommunication system (Phase 2); Data Link (DL) layer General aspects".
- [28] ETS 300 555 (GSM 04.06): "Digital cellular telecommunication system (Phase 2); Mobile Station - Base Station System (MS - BSS) interface Data Link (DL) layer specification".
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- [32] ETS 300 559 (GSM 04.11): "Digital cellular telecommunication system (Phase 2); Point-to-Point (PP) Short Message Service (SMS) support on mobile radio interface".
- [33] ETS 300 560 (GSM 04.12): "Digital cellular telecommunication system (Phase 2); Short Message Service Cell Broadcast (SMSCB) support on the mobile radio interface".
- [34] ETS 300 564 (GSM 04.80): "Digital cellular telecommunication system (Phase 2); Mobile radio interface layer 3 supplementary services specification Formats and coding".
- [35] ETS 300 565 (GSM 04.81): "Digital cellular telecommunication system (Phase 2); Line identification supplementary services - Stage 3".
- [36] ETS 300 566 (GSM 04.82): "Digital cellular telecommunication system (Phase 2); Call Forwarding (CF) supplementary services - Stage 3".
- [37] ETS 300 567 (GSM 04.83): "Digital cellular telecommunication system (Phase 2); Call Waiting (CW) and Call Hold (HOLD) supplementary services - Stage 3".
- [38] ETS 300 568 (GSM 04.84): "Digital cellular telecommunication system (Phase 2); MultiParty (MPTY) supplementary services - Stage 3".
- [39] ETS 300 569 (GSM 04.85): "Digital cellular telecommunication system (Phase 2); Closed User Group (CUG) supplementary services - Stage 3".
- [40] ETS 300 570 (GSM 04.86): "Digital cellular telecommunication system (Phase 2); Advice of Charge (AoC) supplementary services - Stage 3".
- [41] ETS 300 571 (GSM 04.88): "Digital cellular telecommunication system (Phase 2); Call Barring (CB) supplementary services - Stage 3".
- [42] ETS 300 572 (GSM 04.90): "Digital cellular telecommunication system (Phase 2); Unstructured supplementary services operation - Stage 3".
- [43] ETS 300 573 (GSM 05.01): "Digital cellular telecommunication system (Phase 2); Physical layer on the radio path General description".
- [44] ETS 300 574 (GSM 05.02): "Digital cellular telecommunication system (Phase 2); Multiplexing and multiple access on the radio path".
- [45] ETS 300 575 (GSM 05.03): "Digital cellular telecommunication system (Phase 2); Channel coding".
- [46] ETS 300 576 (GSM 05.04): "Digital cellular telecommunication system (Phase 2); Modulation".
- [47] ETS 300 577 (GSM 05.05): "Digital cellular telecommunication system (Phase 2); Radio transmission and reception".
- [48] ETS 300 578 (GSM 05.08): "Digital cellular telecommunication system (Phase 2); Radio subsystem link control".
- [49] ETS 300 579 (GSM 05.10): "Digital cellular telecommunication system (Phase 2); Radio subsystem synchronisation".
- [50] ETS 300 582 (GSM 07.01): "Digital cellular telecommunication system (Phase 2); General on Terminal Adaption Functions (TAF) for Mobile Stations (MS)".

- [51] ETS 300 590 (GSM 08.08): "Digital cellular telecommunication system (Phase 2); Mobile Switching Centre - Base Station System (MSC - BSS) interface Layer 3 specification".
- [52] ETS 300 596 (GSM 08.58): "Digital cellular telecommunication system (Phase 2); Base Station Controller - Base Transceiver Station (BSC - BTS) interface Layer 3 specification".
- [53] ETS 300 599 (GSM 09.02): "Digital cellular telecommunication system (Phase 2); Mobile Application Part (MAP) specification".
- [54] ETS 300 607-1 (GSM 11.10-1): "Digital cellular telecommunication system (Phase 2); Mobile Station (MS) conformity specification".
- [55] ETS 300 607-2 (GSM 11.10-2): "Digital cellular telecommunication system (Phase 2); Mobile Station (MS) Conformance specification, Protocol Implementation Conformance Statement (ICS) Proforma".

### 3 Definitions, symbols and abbreviations

#### 3.1 Definitions

For the purpose of this ETS the following definitions apply:

**Abstract Test Suite (ATS):** refer to ISO/IEC 9646-1 [1].

**Implementation Under Test (IUT):** refer to ISO/IEC 9646-1 [1].

partial Protocol Implementation eXtra Information for Testing (IXIT): refer to ISO/IEC 9646-1 [1].

**Point of Controls and Observations (PCO):** refer to ISO/IEC 9646-1 [1].

**Protocol Implementation Conformance Statement (ICS):** refer to ISO/IEC 9646-1 [1].

**System Under Test (SUT):** refer to ISO/IEC 9646-1 [1].

#### 3.2 Abbreviations

For the purpose of this ETS the following abbreviations apply:

ATS	Abstract Test Suite
BI	Invalid Behaviour tests
BO	Inopportune Behaviour tests
BV	Valid Behaviour tests
CA	CApability tests
EDP-N	Event Detection Point - Notification
EDP-R	Event Detection Point - Request
ETS	European Telecommunication Standard
FE	Functional Entity
FSM	Finite State Machine
ICS	Implementation Conformance Statement
IUT	Implementation Under Test
IXIT	Implementation eXtra Information for Testing
PDU	Protocol Data Unit
SUT	System Under Test
TP	Test Purpose
TSS	Test Suite Structure

Further abbreviations used within GSM related ETS may be found in ETR 100.

Abbreviations for test case group names may be found in figure 1 and 2.

## 4 Test Suite Structure (TSS)

### 4.1 Test suite naming convention

The test group identifier for each group and subgroup is built according to the scheme in figure 1.

Identifier:	L3<c><s><g0><g1><g2><nn>
<c> = category:	BIT BIT, Basic Interconnection tests (not used) CA CA, Capability tests (not used) BV BV, Valid Behaviour tests BI-BOBI and BO, Invalid and Inopportune Behaviour tests
<g0> = group:	IN Initial tests ID Idle mode tests RR Radio Resource management MM Mobility Management CC Call Control SP Structured Procedures SS Supplementary services LLF Lower Layer Failures UUE Unknown, Unforeseen or erroneous Elements
<g1> = group:	CR Channel Request AT IMSI detach and IMSI attach SMT Sequenced MM / CC message transfer EC Establishment Cause IA Immediate assignment PG Test of paging MR Test of measurement report ASS Test of the channel HO Test of handover FR Test of frequency redefinition CMM Test of the channel mode modify procedure CY Test of ciphering mode setting CM Test of classmark CHR Test of channel release START Test of starting time IDAU Identification and authentication LU Location updating CON MM connection CCSMO State Machine Verification, Mobile Originating Call CCSMT State Machine Verification, Mobile Terminating Call SMICF State machine verification, In Call Functions CRE Call Re-establishment UUS User to user signalling UPD Unknown protocol discriminator TIS TI and skip indicator UMT Undefined or unexpected message type UIE Unforeseen information elements in the non-imperative NMIE Non-semantic mandatory IE errors CNR Unknown IE, comprehension not required SB Spare bits



<g2> = group:	AC	Handover / successful / active call
	CUE	Handover / successful / call under establishment
	FSY	Handover / successful / active call / finely synchronized
	PRS	Pre-synchronized handovers
	PRF	Protocol failures
	ACC	Location updating / accepted
	REJ	Location updating / rejected
	ABN	Location updating / abnormal cases
	REL	Location updating / release
	PER	Location updating / periodic
	HPER	Location updating / periodic HPLMN search
	IWAT	Location updating / interworking of attach and periodic
	EST	MM connection / establishment
	EXP	MM connection / expiry
	NWAB	MM connection / abortion by the network
	FRQP	MM connection / follow-on request pending
	U0	Mobile Originating Call U0 State
	U0.1	Mobile Originating Call U0.1 MM Connection pending
	U1	Mobile Originating Call U1 State
	U3	Mobile Originating Call U3 State
	U4	Mobile Originating Call U4 State
	U10	Mobile Originating Call U10 State
	U11	Mobile Originating Call U11 State
	U12	Mobile Originating Call U12 State
	U19	Mobile Originating Call U19 State
	U0	Mobile Terminating Call U0 State
	U6	Mobile Terminating Call U6 State
	U9	Mobile Terminating Call U9 State
	U7	Mobile Terminating Call U7 State
	U8	Mobile Terminating Call U8 State
	DTMF	State machine verification, In Call Functions / transfer
	CHC	State machine verification, In Call Functions /
	TICM	State machine verification, In Call Functions / in-
	OICM	State machine verification, In Call Functions / in-

Figure 1: Test group identifier naming convention scheme.

## 4.2 Suite Overview

Figure 2 shows the structure of the test suites for L3.

L3 ATS									
BV								BI/O	
IN	ID	RR	MM	CC	SP	SS	SMS	LLF	UUE

Figure 2: Test suite structure of the L3 tests

## 4.3 Test groups

### 4.3.1 Valid Behaviour tests (BV)

Predefined state transitions are considered as valid. The test purposes in the valid behaviour test subgroup cover the verification of the normal and exceptional procedures of the various Finite State Macnies (FSMs), i.e. a valid behaviour test is a test where the message sequence and the message contents are considered as valid.

### 4.3.2 Invalid Behaviour/Inopportune Behaviour tests (BI-BO)

This test sub group verifies that the Implementation Under Test (IUT) is able to react properly having received an invalid Protocol Data Unit (PDU) or in the case an inopportune protocol event occurs. An invalid PDU is defined as a syntactically incorrect message. An inopportune event is syntactically correct

but occurs when it is not expected, e.g. a correctly coded operation is received in a wrong state (the IUT may respond Error UnexpectedComponentSequence).

#### **4.4 Test Step Structure**

##### **4.4.1 Preambles**

The preamble is defined for each test purpose.

##### **4.4.2 Postambles**

After each test case the IUT shall be brought to the state as defined in the postamble for each test purpose.

### **5 Test Purposes (TP)**

For each conformance requirement a Test Purpose (TP) is defined. The test purposes are specified in the ATS Dynamic part (annex A).

#### **5.1 TP and test case naming convention**

In order clearly to map the conformance requirements specified in the prETS 300 607-1 and TTCN test cases in the ATS, the subclause (section) numbers in the prETS 300 607-1 are used as test case names.

The identifier of each TP is identical to the name of the implemented TTCN test case.

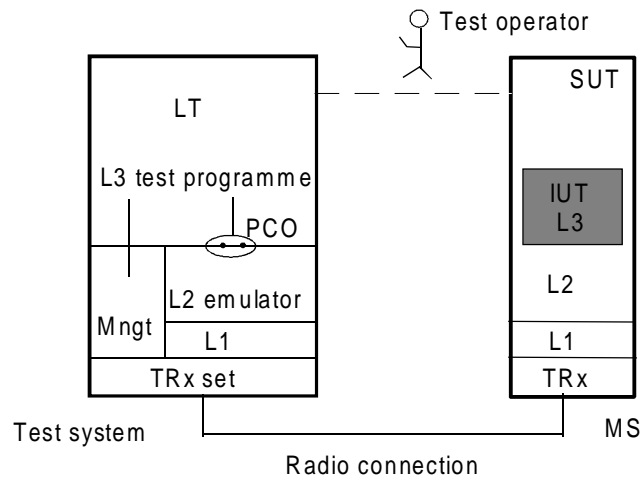
“Test Purpose Identifier” = “Test Case Name” = TPI = TC\_NN\_A\_B\_C\_D\_E, where NN, A, B, C, D and E are digits used in the corresponding subclause numbers of prETS 300 607-1. For example, the test case name TC\_26\_5\_6\_2 is the TTCN specification corresponding to the conformance requirements in the subclause (section) 26.5.6.1.2 in the prETS 300 607-1. In case where the subclause has been implemented in more than one test case sub numbering has been introduced. For example, the section 26.7.4.2.4 of prETS 300 607-1, Location updating/rejected/national roaming testing is split into 5 test cases. The corresponding TCs are identified as TC\_26\_7\_4\_2\_4\_1, TC\_26\_7\_4\_2\_4\_2, TC\_26\_7\_4\_2\_4\_3, TC\_26\_7\_4\_2\_4\_4 and TC\_26\_7\_4\_2\_4\_5, respectively.

### **6 Abstract test method and test configurations**

The distributed test method applies to the L3 MS testing. The test method uses a lower tester and a man-machine interface as an upper tester at the SUT.

#### **6.1 Test system model**

The model of the L3 test system is based on the original protocol architecture at the air interface. The test system consists conceptually of a lower tester LT, the L3 test programme (executable test suite), a L2 radio link emulator, a management functional unit, the L1 service provider and a TRx set (see fig. 1).



**Figure 3: Test system and distributed test method**

The LT provides the test environment and for test execution and the means of control and observation at the L3 lower service boundary within the test system.

The L3 TTCN test specification uses the three LT interfaces to communicate with the MS, the system under test, and with the other parts of the test system:

- Interface to the L2 emulator via the PCO,
- Interface to the management functional unit via TTCN test suite operations,
- Interface to the MS man-machine interface (MMI) via a test operator.

## 6.2 Test Method

The PCO in the LT is defined as L2 SAP (SAP 0 + 3). The PCO has two FIFO queues (data buffers) to store all sending and receiving test events. The L2 primitives in the ATS which constitute mainly the interface to the L2 emulator are specified via the L2 primitives. In order to simulate multicell testing as required in some test cases, the defined primitives are able to address individual cells of the test system and the logic channels of each cell for the L3 message exchanges. The L2 emulator together with the underlying L1 and the TRx set support all message exchanges via correct radio links.

The management function unit has three management functions:

- L2 and L1 management,
- Channel management,
- TRx management.

The interface to the management function unit is presented in the ATS via a set of test suite operations. The major functions of the test suite management operations are:

- To load configuration parameters necessary for the test system,
- To control and get the necessary values of radio resources/ channels for tests.

The SUT (MS) has a more or less standardised MMI, such as keys, digital display, tones, etc. The ATS uses such kind of functions to provoke some procedures or to observe simple results at the SUT side. A human operator is needed during the test. The test system shall have an interface to the human operator to enable the test coordination.

**Annex A (normative): Abstract Test Suite**

## Suite overview

### Suite structure

Test Suite Structure	
<b>Suite Name:</b>	GSM_L3_MS_v4160
<b>Standards Ref:</b>	ETS 300 557
<b>PICS Ref:</b>	
<b>PIXIT Ref:</b>	
<b>Test Method(s):</b>	Distributed Single Layer Test Method
<b>Comments:</b>	Version 4.16.0

Structure and Objectives			
Test Group Reference	Selection Ref	Test Group Objective	Page Nr
GSM_L3_MS_v4160/General/	SelExpr_0000	To verify the supported and non-supported services.	1248
GSM_L3_MS_v4160/InitialTest/	SelExpr_0100	To verify random access procedure, IMSI attach and detach procedure, sequenced MM/CC message transfer and establishment causes.	1276
GSM_L3_MS_v4160/IdleMode/	SelExpr_0200	To verify MS functions in idle mode	1297
GSM_L3_MS_v4160/BiBo/	SelExpr_0300	To verify the MS handling unknown, unforeseen and erroneous protocol data, and parallel transactions	1300
GSM_L3_MS_v4160/RR/	SelExpr_0400	To verify the elementary procedures for radio resource management	1335
GSM_L3_MS_v4160/MM/	SelExpr_0500	To verify the elementary procedures of mobility management.	1486
GSM_L3_MS_v4160/CC/	SelExpr_0600	To verify the circuit switched call control functions.	1547
GSM_L3_MS_v4160/StructureProc/	SelExpr_0700	To verify the structured procedures.	1610
GSM_L3_MS_v4160/EGSMsignalling/	SelExpr_1000	To verify the different procedures which may be impacted when some channel uses E- GSM frequencies.	1634
GSM_L3_MS_v4160/SS/	SelExpr_0800	To verify the functions of supplementary services.	1656
GSM_L3_MS_v4160/SM/	SelExpr_0900	To verify the functions of short message service.	1741
<b>Detailed Comments:</b>			

## Test case index

Test Case Index				
Test Group Reference	Test Case Id	Selection ref	Description	Page Nr
GSM_L3_MS_v4160/General/	TC_11_1_1	SelExpr_0002	Verification of support and non-support of services (MT).	1248
GSM_L3_MS_v4160/General/	TC_11_1_2	SelExpr_0007	Verification of support and non-support of services (MO).	1263
GSM_L3_MS_v4160/General/	TC_11_2	SelExpr_0002	Verification of support of the single numbering scheme.	1270
GSM_L3_MS_v4160/General/	TC_11_3	SelExpr_0003	Verification of non-support of services. (Advice of Charge Charging, AOCC)	1271
GSM_L3_MS_v4160/General/	TC_11_4	SelExpr_0004	Verification of non-support of services. (Call Hold)	1273
GSM_L3_MS_v4160/General/	TC_11_5	SelExpr_0005	Verification of non-support of services. (MultiParty)	1274
GSM_L3_MS_v4160/General/	TC_11_6	SelExpr_0006	Verification of non-support of feature. (Fixed dialling number)	1275
GSM_L3_MS_v4160/nitialTest/	TC_26_2_1_1	SelExpr_0101	Initial Layer 3 tests - Channel request / initial time.	1276
GSM_L3_MS_v4160/nitialTest/	TC_26_2_1_2	SelExpr_0101	11.10 Ref. ver.4.10; CR Initial Layer 3 tests - Channel request / repetition time.	1277
GSM_L3_MS_v4160/nitialTest/	TC_26_2_1_3	SelExpr_0101	11.10 Ref. ver.4.10; CR: C46 Initial Layer 3 tests - Channel request / random reference.	1279
GSM_L3_MS_v4160/nitialTest/	TC_26_2_2	SelExpr_0101	11.10 Ref. ver.4.10; CR IMSI detach and IMSI attach.	1280
GSM_L3_MS_v4160/nitialTest/	TC_26_2_3	SelExpr_0101	11.10 Ref. ver 4.10.0; CR. 0295-6r1. CR.C62r1.	1282
GSM_L3_MS_v4160/nitialTest/	TC_26_2_3	SelExpr_0101	Sequenced MM / CM message transfer.	1282
GSM_L3_MS_v4160/nitialTest/	TC_26_2_4_1	SelExpr_0102	Establishment Cause /pr1 (TCH)	1284
GSM_L3_MS_v4160/nitialTest/	TC_26_2_4_2	SelExpr_0103	Establishment Cause /pr2 ( /H)	1285
GSM_L3_MS_v4160/nitialTest/	TC_26_2_4_3	SelExpr_0107	Establishment Cause /pr3 (TCH/FS)	1286
GSM_L3_MS_v4160/nitialTest/	TC_26_2_4_4	SelExpr_0104	Establishment Cause /pr4 (data)	1288
GSM_L3_MS_v4160/nitialTest/	TC_26_2_4_5	SelExpr_0101	Establishment Cause /pr5	1290
GSM_L3_MS_v4160/nitialTest/	TC_26_2_4_6	SelExpr_0101	Establishment Cause /pr6	1292
GSM_L3_MS_v4160/nitialTest/	TC_26_2_4_7	SelExpr_0105	Establishment Cause /pr7 (non-call-SS)	1295
GSM_L3_MS_v4160/nitialTest/	TC_26_2_4_8	SelExpr_0106	Establishment Cause /pr8 (SMS/PP MO)	1296
GSM_L3_MS_v4160/dleMode/	TC_26_3_2	SelExpr_0201	MS indication of available PLMNs	1297
GSM_L3_MS_v4160/dleMode/	TC_26_3_3	SelExpr_0201	MS will send only if BSS is "on air".	1298
GSM_L3_MS_v4160/dleMode/	TC_26_3_4	SelExpr_0201	Manual mode of PLMN selection 11.10 Ref. ver. 4.10.0; CR. 11.10-661. C64	1299
GSM_L3_MS_v4160/BiBo/	TC_26_5_1	SelExpr_0302	Handling of unknown protocol discriminator	1300
GSM_L3_MS_v4160/BiBo/	TC_26_5_2_1_1	SelExpr_0302	Handling of unknown TI and skip indicator / RR	1301
GSM_L3_MS_v4160/BiBo/	TC_26_5_2_1_2	SelExpr_0302	TI Skip indicator / RR / RR Connection established 11.10 Ref.ver.4.10.0;CR C52r1	1302
GSM_L3_MS_v4160/BiBo/	TC_26_5_2_2	SelExpr_0302	TI and skip indicator / MM	1304
GSM_L3_MS_v4160/BiBo/	TC_26_5_2_3	SelExpr_0301	TI and skip indicator / CC	1306
GSM_L3_MS_v4160/BiBo/	TC_26_5_3_1	SelExpr_0301	Undefined or unexpected Message type / undefined message type / CC	1308
GSM_L3_MS_v4160/BiBo/	TC_26_5_3_2	SelExpr_0301	Undefined or unexpected message type /	1309

BiBo/ GSM_L3_MS_v4160/ BiBo/	TC_26_5_3_3	SelExpr_0302	undefined message type / MM	1310
GSM_L3_MS_v4160/ BiBo/	TC_26_5_3_4	SelExpr_0301	Undefined or unexpected message type / undefined message type / RR	1311
GSM_L3_MS_v4160/ BiBo/	TC_26_5_4_1	SelExpr_0302	Undefined or unexpected message type / unexpected message type / CC	1312
GSM_L3_MS_v4160/ BiBo/	TC_26_5_5_1_1_1	SelExpr_0302	Unforeseen info elements in non-imperative message part / duplicated info elements	1313
GSM_L3_MS_v4160/ BiBo/	TC_26_5_5_1_1_2	SelExpr_0302	Non-semantic mandatory IE errors / RR / missing mandatory IE error / special case	1313
GSM_L3_MS_v4160/ BiBo/	TC_26_5_5_1_2	SelExpr_0302	Non-semantic mandatory IE errors / RR / missing mandatory IE error / general case	1314
GSM_L3_MS_v4160/ BiBo/	TC_26_5_5_2_1	SelExpr_0301	Non-semantic mandatory ie errors / RR / comprehension required 11.10 Ref. ver. 4.10.0; CR.	1315
GSM_L3_MS_v4160/ BiBo/	TC_26_5_5_2_2	SelExpr_0302	Non-semantic mandatory IE errors / MM / syntactically incorrect mandatory IE 11.10 Ref. ver. 4.10.0; CR. 11.10-688	1316
GSM_L3_MS_v4160/ BiBo/	TC_26_5_5_2_3	SelExpr_0302	Non-semantic mandatory IE errors / MM / syntactically incorrect mandatory IE 11.10 Ref. ver. 4.10.0; CR. 11.10-688	1317
GSM_L3_MS_v4160/ BiBo/	TC_26_5_5_3_1_1	SelExpr_0301	Non-semantic mandatory IE errors / CC / missing mandatory IE / disconnect message	1318
GSM_L3_MS_v4160/ BiBo/	TC_26_5_5_3_1_2	SelExpr_0301	Non-semantic mandatory IE errors / CC / missing mandatory IE / general case	1319
GSM_L3_MS_v4160/ BiBo/	TC_26_5_5_3_2	SelExpr_0301	Non-semantic mandatory IE errors / CC / comprehension required	1320
GSM_L3_MS_v4160/ BiBo/	TC_26_5_6_1_1	SelExpr_0302	Unknown IE, comprehension not required / MM / IE unknown in the protocol 11.10 Ref. ver.4.10.0; CR: C59 C59r1	1321
GSM_L3_MS_v4160/ BiBo/	TC_26_5_6_1_2	SelExpr_0302	Unknown IE, comprehension not required / MM / IE unknown in the message 11.10 Ref. ver. 4.10.0; CR C60r1	1322
GSM_L3_MS_v4160/ BiBo/	TC_26_5_6_2_1	SelExpr_0301	Unknown info elements in the non-imperative message part / CC / Call establishment	1323
GSM_L3_MS_v4160/ BiBo/	TC_26_5_6_2_2	SelExpr_0301	Unknown information elements in the non- imperative message part / CC / disconnect	1324
GSM_L3_MS_v4160/ BiBo/	TC_26_5_6_2_3	SelExpr_0301	Unknown information elements in the non- imperative message part / CC / release	1325
GSM_L3_MS_v4160/ BiBo/	TC_26_5_6_2_4	SelExpr_0301	Unknown info elements in the non-imperative message part / CC / release complete	1326
GSM_L3_MS_v4160/ BiBo/	TC_26_5_6_3	SelExpr_0302	Unknown IE in the non-imperative message part, comprehension not required / RR / unknown in the protocol 11.10 Ref. ver. 4.10.0; CR.11.10-663. C61	1327
GSM_L3_MS_v4160/ BiBo/	TC_26_5_7_1_1	SelExpr_0302	Spare bits / RR / paging channel	1328
GSM_L3_MS_v4160/ BiBo/	TC_26_5_7_1_2	SelExpr_0302	Spare bits / RR / BCCH	1329
GSM_L3_MS_v4160/ BiBo/	TC_26_5_7_1_3	SelExpr_0302	pare bits / RR / AGCH	1330
GSM_L3_MS_v4160/ BiBo/	TC_26_5_7_1_4	SelExpr_0302	Spare bits / RR / connected mode 11.10 Ref. ver.4.10.0; CR C49r1	1331
GSM_L3_MS_v4160/ BiBo/	TC_26_5_7_2	SelExpr_0302	Spare bits / MM	1332
GSM_L3_MS_v4160/ BiBo/	TC_26_5_7_3	SelExpr_0301	Spare bits / CC	1333
GSM_L3_MS_v4160/ RR/	TC_26_6_1_1	SelExpr_0401	Immediate Assignment / SDCCH or TCH assignment	1335
GSM_L3_MS_v4160/ RR/	TC_26_6_1_2	SelExpr_0401	Immediate Assignment / extended assignment 11.10 Ref. ver. 4.10.0; CR. 11.10-690.	1337
GSM_L3_MS_v4160/ RR/	TC_26_6_1_3	SelExpr_0401	Immediate Assignment / assignment rejection	1340
GSM_L3_MS_v4160/ RR/	TC_26_6_1_4	SelExpr_0401	Immediate Assignment / ignore assignment	1342
GSM_L3_MS_v4160/ RR/	TC_26_6_1_5	SelExpr_0401	Immediate Assignment after immediate assignment reject	1344

GSM_L3_MS_v4160/RR/	TC_26_6_2_1_1	SelExpr_0401	Paging / normal / type 1	1345
GSM_L3_MS_v4160/RR/	TC_26_6_2_1_2	SelExpr_0401	Paging / normal / type 2	1347
GSM_L3_MS_v4160/RR/	TC_26_6_2_1_3	SelExpr_0401	Paging / normal / type 3	1349
GSM_L3_MS_v4160/RR/	TC_26_6_2_2	SelExpr_0401	Paging / extended	1351
GSM_L3_MS_v4160/RR/	TC_26_6_2_3_1	SelExpr_0401	Paging / reorganisation / procedure 1 11.10 Ref. ver. 4.10.0; CR. 11.10-691	1354
GSM_L3_MS_v4160/RR/	TC_26_6_2_3_2	SelExpr_0401	Paging / reorganisation / procedure 2	1358
GSM_L3_MS_v4160/RR/	TC_26_6_2_4	SelExpr_0401	Paging / same as before	1360
GSM_L3_MS_v4160/RR/	TC_26_6_2_5	SelExpr_0401	Multislot CCCH handling	1361
GSM_L3_MS_v4160/RR/	TC_26_6_3_1	SelExpr_0402	Measurement / no neighbour	1363
GSM_L3_MS_v4160/RR/	TC_26_6_3_2	SelExpr_0402	Measurement / all neighbours present	1365
GSM_L3_MS_v4160/RR/	TC_26_6_3_3	SelExpr_0402	Measurement / barred cells and non-permitted NCCs	1367
GSM_L3_MS_v4160/RR/	TC_26_6_3_4	SelExpr_0402	Measurement / DTX	1369
GSM_L3_MS_v4160/RR/	TC_26_6_3_5	SelExpr_0402	Measurement / frequency formats	1372
GSM_L3_MS_v4160/RR/	TC_26_6_4_1	SelExpr_0401	Dedicated assignment / Successful case	1374
GSM_L3_MS_v4160/RR/	TC_26_6_4_2_1	SelExpr_0402	Dedicated assignment / failure / failure during active state	1379
GSM_L3_MS_v4160/RR/	TC_26_6_4_2_2	SelExpr_0401	Dedicated assignment / failure / general case	1381
GSM_L3_MS_v4160/RR/	TC_26_6_5_1_1	SelExpr_0402	non synchronised HO from TCH/F_nonFH in cellA to TCH/F_nonFH in cellB.	1383
GSM_L3_MS_v4160/RR/	TC_26_6_5_1_2	SelExpr_0402	non synchronised HO from TCH/F_nonFH in cellB to TCH/F_FH in cell A.	1384
GSM_L3_MS_v4160/RR/	TC_26_6_5_1_3	SelExpr_0402	non synchronised HO from TCH/F_FH in cellA to TCH/F_nonFH in cellB.	1385
GSM_L3_MS_v4160/RR/	TC_26_6_5_1_4	SelExpr_0408	non synchronised HO from TCH/F_NonFH in cellB to TCH/H_FH in cellA.	1386
GSM_L3_MS_v4160/RR/	TC_26_6_5_1_5	SelExpr_0408	non synchronised HO from TCH/H_FH in cellA to TCH/H_FH in cellB.	1387
GSM_L3_MS_v4160/RR/	TC_26_6_5_1_6	SelExpr_0408	non synchronised HO from TCH/H_FH in cellB to TCH/H_nonFH in cellA.	1388
GSM_L3_MS_v4160/RR/	TC_26_6_5_1_7	SelExpr_0408	non synchronised HO from TCH/F_NonFH in cellA to TCH/H_FH in cellB.	1389
GSM_L3_MS_v4160/RR/	TC_26_6_5_1_8	SelExpr_0408	non synchronised HO from TCH/H_FH in cell B to TCH/F_NonFH in cellA.	1390
GSM_L3_MS_v4160/RR/	TC_26_6_5_2_1	SelExpr_0402	Retransmit L3-msg during non synchr. HO from SDCCH/4_nonFH to TCH/F_FH.	1391
GSM_L3_MS_v4160/RR/	TC_26_6_5_2_2	SelExpr_0408	Retransmit L3-msg during non synchr. HO from SDCCH/4_nonFH to TCH/H_FH.	1393
GSM_L3_MS_v4160/RR/	TC_26_6_5_2_3	SelExpr_0402	Retransmit L3-msg during non synchr. HO from SDCCH/4_nonFH to SDCCH/8_FH.	1395
GSM_L3_MS_v4160/RR/	TC_26_6_5_2_4	SelExpr_0402	Retransmit L3-msg during non synchr. HO from SDCCH/8_nonFH in cell A to SDCCH/8_FH in cellB.	1397
GSM_L3_MS_v4160/RR/	TC_26_6_5_2_5	SelExpr_0408	Retransmit L3-msg during non synchr. HO from TCH/F_NonFH in cell A to TCH/H_NonFH in cellB.	1399
GSM_L3_MS_v4160/RR/	TC_26_6_5_2_6	SelExpr_0408	Retransmit L3-msg during non synchr. HO from TCH/H_FH in cell A to TCH/F_FH in cellB.	1401
GSM_L3_MS_v4160/RR/	TC_26_6_5_2_7	SelExpr_0402	Retransmit L3-msg during non synchr. HO from TCH/F_FH in cell A to TCH/F_FH in cellB.	1403
GSM_L3_MS_v4160/RR/	TC_26_6_5_2_8	SelExpr_0402	Retransmit L3-msg during non synchr. HO from TCH/SDCCH8_FH in cell A to TCH/F_NonFH in cellB.	1405
GSM_L3_MS_v4160/RR/	TC_26_6_5_2_9	SelExpr_0402	Retransmit L3-msg during non synchr. HO from SDCCH8_NoFH in cell A to TCH/F_FH	1407



GSM_L3_MS_v4160/RR/	TC_26_6_5_2_10	SelExpr_0408	in cellB. Retransmit L3-msg during non synchr. HO from TCH/SDCCH8_NoFH in cell A to TCH/H_FH in cellB.	1409
GSM_L3_MS_v4160/RR/	TC_26_6_5_3_1	SelExpr_0402	synchronised HO from TCH/F_FH in cellA to TCH/F_nonFH in cellB.	1411
GSM_L3_MS_v4160/RR/	TC_26_6_5_3_2	SelExpr_0408	synchronised HO from TCH/H_FH in cellA to TCH/H_nonFH in cellB.	1412
GSM_L3_MS_v4160/RR/	TC_26_6_5_4_1	SelExpr_0402	Handover/ successful/ call under establishment/ finely synchronized (HO: SDCCH8/FH -> SDCCH/8_FH)	1413
GSM_L3_MS_v4160/RR/	TC_26_6_5_4_2	SelExpr_0402	Handover/ successful/ call under establishment/ finely synchronized (HO: SDCCH8/FH -> SDCCH/4_noFH)	1415
GSM_L3_MS_v4160/RR/	TC_26_6_5_4_3	SelExpr_0402	Handover/ successful/ call under establishment/ finely synchronized (HO: TCH/F_NoFH -> TCH/F_FH)	1417
GSM_L3_MS_v4160/RR/	TC_26_6_5_4_4	SelExpr_0402	Handover/ successful/ call under establishment/ finely synchronized (HO: SDCCH8_NoFH -> TCH/F_NoFH)	1419
GSM_L3_MS_v4160/RR/	TC_26_6_5_5_1	SelExpr_0402	Handover / successful / active call / pre-synchronised / Timing Advance IE not included	1421
GSM_L3_MS_v4160/RR/	TC_26_6_5_5_2	SelExpr_0402	Handover / successful / call being estab. / pre-synch. /Tim. Advance IE is included / reporting of obsrvd. time diff requested	1423
GSM_L3_MS_v4160/RR/	TC_26_6_5_6	SelExpr_0409	Handover / successful / active call / pseudo - synchronised	1425
GSM_L3_MS_v4160/RR/	TC_26_6_5_7	SelExpr_0402	Handover / successful / active call / non-synchronised / reporting of obsrvd. Time diff requested	1427
GSM_L3_MS_v4160/RR/	TC_26_6_5_8	SelExpr_0402	Handover / L3-failure 11.10 Ref. ver.4.10.0; CR 11.10-720	1429
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GSM_L3_MS_v4160/RR/	TC_26_6_6_1	SelExpr_0401	Frequency redefinition	1433
GSM_L3_MS_v4160/RR/	TC_26_6_7_1	SelExpr_0403	Channel mode modify / full rate 11.10 Ref. ver. 4.10.0; CR.0295-17r1; 11.10-780	1438
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GSM_L3_MS_v4160/RR/	TC_26_6_8_1	SelExpr_0405	Ciphering mode / start ciphering	1444
GSM_L3_MS_v4160/RR/	TC_26_6_8_2	SelExpr_0402	Ciphering mode / no ciphering	1446
GSM_L3_MS_v4160/RR/	TC_26_6_8_3	SelExpr_0405	Ciphering mode / old cipher key	1447
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GSM_L3_MS_v4160/RR/	TC_26_6_11_1	SelExpr_0406	Test of Classmark change	1454
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GSM_L3_MS_v4160/RR/	TC_26_6_13_1	SelExpr_0401	Dedicated assignment with starting time / successful case / time not elapsed	1465
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RR/			frequency redefinition/ failure case / time not elapsed	
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GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_2_2	SelExpr_0601	Outgoing call / U0.1 MM connection pending / CM service accepted 11.10 Ref. ver. 4.10.0; CR.	1548
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_2_3	SelExpr_0601	Outgoing call / U0.1 MM connection pending / lower layer failure 11.10 Ref. ver. 4.10.0; CR.	1549
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_3_1	SelExpr_0601	Outgoing call / U1 call initiated / receiving CALL PROCEEDING 11.10 Ref. ver. 4.10.0; CR.	1549
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_3_2	SelExpr_0601	Outgoing call / U1 call initiated / rejecting with RELEASE COMPLETE 11.10 Ref. ver. 4.10.0; CR.	1550
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_3_3	SelExpr_0601	Outgoing call / U1 call initiated / T303 expiry 11.10 Ref. ver. 4.10.0; CR.	1550
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_3_4	SelExpr_0601	Outgoing call / U1 call initiated / lower layer failure 11.10 Ref. ver. 4.10.0; CR.	1551
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_3_5	SelExpr_0601	Outgoing call / U1 call initiated / receiving ALERTING 11.10 Ref. ver. 4.10.0; CR.	1551
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_3_6	SelExpr_0601	Outgoing call / U1 call initiated / entering state U10 11.10 Ref. ver. 4.10.0; CR.	1552
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_3_7	SelExpr_0601	Outgoing call / U1 call initiated / unknown message received 11.10 Ref. ver. 4.10.0; CR.	1552
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_4_1	SelExpr_0601	Outgoing call / U3 MS originating call proceeding / ALERTING received 11.10 Ref. ver. 4.10.0; CR.	1553
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_4_2	SelExpr_0601	Outgoing call / U3 MS originating call proceeding / CONNECT received 11.10 Ref. ver. 4.10.0; CR.	1553
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_4_3	SelExpr_0601	Outgoing call / U3 MS origintg. call proceeding / PROGRESS received without in band information. 11.10 Ref. ver. 4.10.0; CR.	1554
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_4_4	SelExpr_0601	Outgoing call / U3 MS originating call proceeding / PROGRESS with in band information 11.10 Ref. ver. 4.10.0; CR.	1555
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_4_5	SelExpr_0601	Outgoing call / U3 MS originating call proceeding / DISCONNECT with in band tones	1556

GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_4_6	SelExpr_0601	11.10 Ref. ver. 4.10.0; CR. Outgoing call / U3 MS originating call proceeding / DISCONNECT without in band tones	1557
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_4_7	SelExpr_0601	11.10 Ref. ver. 4.10.0; CR. Outgoing call / U3 MS originating call proceeding / RELEASE received	1557
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_4_8	SelExpr_0601	11.10 Ref. ver. 4.10.0; CR. Outgoing call / U3 MS originating call proceeding / termination requested by the user	1558
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_4_9	SelExpr_0601	11.10 Ref. ver. 4.10.0; CR. Outgoing call / U3 MS originating call proceeding / traffic channel allocation	1558
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_4_10	SelExpr_0601	11.10 Ref. ver. 4.10.0; CR. Outgoing call / U3 MS originating call proceeding / timer T310 timeout	1559
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_4_11	SelExpr_0601	11.10 Ref. ver. 4.10.0; CR. Outgoing call / U3 MS originating call proceeding / lower layer failure	1560
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_4_12	SelExpr_0601	11.10 Ref. ver. 4.10.0; CR. Outgoing call / U3 MS originating call proceeding / unknown message received	1560
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_4_13	SelExpr_0604	11.10 Ref. ver. 4.10.0; CR. Outgoing call / U3 MS originating call proceeding / Internal alerting indication	1561
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_5_1	SelExpr_0601	11.10 Ref. ver. 4.10.0; CR. Outgoing call / U4 call delivered / CONNECT received	1562
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_5_2	SelExpr_0601	11.10 Ref. ver. 4.10.0; CR. Outgoing call / U4 call delivered / termination requested by the user	1562
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_5_3	SelExpr_0601	11.10 Ref. ver. 4.10.0; CR. Outgoing call / U4 call delivered / DISCONNECT with in band tones	1563
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_5_4	SelExpr_0601	11.10 Ref. ver. 4.10.0; CR. .4; Outgoing call / U4 call delivered / DISCONNECT without in band tones	1563
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_5_5	SelExpr_0601	11.10 Ref. ver. 4.10.0; CR. Outgoing call / U4 call delivered / RELEASE received	1564
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GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_5_7	SelExpr_0601	11.10 Ref. ver. 4.10.0; CR. Outgoing call / U4 call delivered / traffic channel allocation	1565
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_5_8	SelExpr_0601	11.10 Ref. ver. 4.10.0; CR. Outgoing call / U4 call delivered / unknown message received	1565
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_6_1	SelExpr_0601	11.10 Ref. ver. 4.10.0; CR. U10 call active / termination requested by the user	1566
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_6_2	SelExpr_0601	11.10 Ref. ver. 4.10.0; CR. 10 call active / RELEASE received	1566
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_6_3	SelExpr_0601	11.10 Ref. ver. 4.10.0; CR. U10 call active / DISCONNECT with in band tones	1567
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_6_4	SelExpr_0601	11.10 Ref. ver. 4.10.0; CR. U10 call active / DISCONNECT without in band tones	1568
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_6_5	SelExpr_0601	11.10 Ref. ver. 4.10.0; CR. U10 call active / RELEASE COMPLETE received	1568
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_6_6	SelExpr_0601	11.10 Ref. ver. 4.10.0; CR. C73 U10 call active / SETUP received	1569
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_7_1	SelExpr_0601	11.10 Ref. ver. 4.10.0; CR.11.10-669 U11 disconnect request / clear collision	1570
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GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_7_2	SelExpr_0601	U11 disconnect request / RELEASE received 11.10 Ref. ver. 4.10.0; CR.	1570
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_7_3	SelExpr_0601	U11 disconnect request / timer T305 timeout 11.10 Ref. ver. 4.10.0; CR.	1571
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_7_4	SelExpr_0601	U11 disconnect request / lower layer failure 11.10 Ref. ver. 4.10.0; CR.	1572
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_7_5	SelExpr_0601	U11 disconnect request / unknown message received 11.10 Ref. ver. 4.10.0; CR.PT65v-015r1.	1572
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_8_1	SelExpr_0604	U12 disconnect indication / call releasing requested by the user 11.10 Ref. ver. 4.10.0; CR.	1573
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_8_2	SelExpr_0604	U12 disconnect indication / RELEASE received 11.10 Ref. ver. 4.10.0; CR.	1574
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_8_3	SelExpr_0604	U12 disconnect indication / lower layer failure 11.10 Ref. ver. 4.10.0; CR.	1574
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_8_4	SelExpr_0604	U12 disconnect indication / unknown message received 11.10 Ref. ver. 4.10.0; CR.	1575
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_9_1	SelExpr_0601	Outgoing call / U19 release request / timer T308 timeout 11.10 Ref. ver. 4.10.0; CR.	1575
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_9_2	SelExpr_0601	Outgoing call / U19 release request / 2nd timer T308 timeout 11.10 Ref. ver. 4.10.0; CR.	1576
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_9_3	SelExpr_0601	Outgoing call / U19 release request / RELEASE received 11.10 Ref. ver. 4.10.0; CR.	1576
GSM_L3_MS_v4160/ CC/	TC_26_8_1_2_9_4	SelExpr_0601	Outgoing call / U19 release request / RELEASE COMPLETE received 11.10 Ref. ver. 4.10.0; CR.	1577
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**Detailed Comments:**

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Config/	1	BCCH, CCCH and SDCCH4 onto the physical channel which represents cell D	
GSM_L3_MS_v4160/management/Ch Config/	Config_SDCCH4_E_1	To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell E	1779
GSM_L3_MS_v4160/management/Ch Config/	Config_SDCCH4_F_1	To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell F	1779
GSM_L3_MS_v4160/management/Ch Config/	Config_SDCCH4_G_1	To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell G	1780
GSM_L3_MS_v4160/management/Ch Config/	Config_SDCCH4_H_1	To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell H	1780
GSM_L3_MS_v4160/management/Ch Config/	Config_SDCCH8_A_1	To set one physical channel used as SDCCH8 channel for instance 1 of cell A.	1781
GSM_L3_MS_v4160/management/Ch Config/	Config_SDCCH8_A_2	To set one physical channel used as SDCCH8 channel for instance 2 of cell A.	1781
GSM_L3_MS_v4160/management/Ch Config/	Config_SDCCH8_A_3	To set one physical channel used as SDCCH8 channel for instance 3 of cell A.	1782
GSM_L3_MS_v4160/management/Ch Config/	Config_SDCCH8_B_1	To set one physical channel used as SDCCH8 channel for instance 1 of cell B.	1782
GSM_L3_MS_v4160/management/Ch Config/	Config_SDCCH8_B_2	To set one physical channel used as SDCCH8 channel for instance 2 of cell B.	1783
GSM_L3_MS_v4160/management/Ch Config/	CombinedBCCH_A_C BMS	To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell A.	1783
GSM_L3_MS_v4160/management/Ch Config/	CombinedBCCH_A	To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell A.	1784
GSM_L3_MS_v4160/management/Ch Config/	CombinedBCCH_B	To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell B.	1784
GSM_L3_MS_v4160/management/Ch Config/	CombinedBCCH_C	To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell C.	1784
GSM_L3_MS_v4160/management/Ch Config/	CombinedBCCH_D	To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell D.	1785
GSM_L3_MS_v4160/management/Ch Config/	CombinedBCCH_E	To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell E.	1785
GSM_L3_MS_v4160/management/Ch Config/	CombinedBCCH_F	To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell F.	1785
GSM_L3_MS_v4160/management/Ch Config/	CombinedBCCH_G	To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell G.	1786
GSM_L3_MS_v4160/management/Ch Config/	CombinedBCCH_G_s p	To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell G.	1786
GSM_L3_MS_v4160/management/Ch Config/	CombinedBCCH_H	To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell H.	1787
GSM_L3_MS_v4160/management/Ch Config/	NonCombinedBCCH_A	To set one physical channel used as FCHH_SCH_BCCH_CCCH for cell A.	1787
GSM_L3_MS_v4160/management/Ch Config/	NonCombinedBCCH_A_2	To set a physical channel and map the second BCCH, CCCH onto the physical channel which represents cell A.	1787
GSM_L3_MS_v4160/management/Ch Config/	NonCombinedBCCH_A_3	To set a physical channel and map the third BCCH, CCCH onto the physical channel which represents cell A.	1788
GSM_L3_MS_v4160/management/Ch Config/	NonCombinedBCCH_A_4	To set a physical channel and map the fourth BCCH, CCCH onto the physical channel which represents cell A.	1788
GSM_L3_MS_v4160/management/Ch Config/	NonCombinedBCCH_B	To set a physical channel and map FCCH, SCH, BCCH, CCCH onto the physical channel which represents cell B for RR testing.	1788
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_A_def	To set one physical channel used as TCHF_ACCH's for instance 1 of cell A.	1789
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_A_1_im		1789
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_A_im_def		1789

Config/ GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_A_1_1	To set one physical channel used as TCHF_ACCH's for instance 1 of cell A.	1790
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_A_1_2	To set one physical channel used as TCHF_ACCH's for instance 1 of cell A.	1790
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_A_1_9	To set one physical channel used as TCHF_ACCH's for instance 1 of cell A for TC_26_6_13_1.	1791
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_A_1_10	To set one physical channel used as TCHF_ACCH's for instance 1 of cell A for TC_26_6_13_2.	1791
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_A_1_11	To set one physical channel used as TCHF_ACCH's for instance 1 of cell A for TC_26_6_13_3.	1792
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_A_1_13	To set one physical channel used as TCHF_ACCH's for instance 1 of cell A for TC_26_6_4_2_2.	1792
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_A_1_14	To set one physical channel used as TCHF_ACCH's for instance 1 of cell A for TC_26_6_13_7.	1793
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_A_1_15	To set one physical channel used as TCHF_ACCH's for instance 1 of cell A for TC_26_6_13_8.	1793
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_A_1_16	To set one physical channel used as TCHF_ACCH's for instance 1 of cell A for TC_26_6_13_9.	1794
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_A_1_17	To set one physical channel used as TCHF_ACCH's for instance 1 of cell A for TC_26_6_13_10.	1794
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_A_1_18	To set one physical channel used as TCHF_ACCH's for instance 1 of cell A for TC_26_6_1_1.	1795
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_A_1sp	To set one physical channel used as TCHF_ACCH's for instance 1 of cell A (any supported channel mode).	1795
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_E_A_1F1	To set one physical channel used as TCHF_ACCH's for instance 1 of cell A for HO cases with frequency hopping, used in EGSM	1795
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_E_A_1F2	To set one physical channel used as TCHF_ACCH's for instance 1 of cell A for EGSM cases with frequency hopping, used in EGSM	1796
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_HO_A_1	To set one physical channel used as TCHF_ACCH's for instance 1 of cell A for HO cases	1796
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_HO_A_1 F1	To set one physical channel used as TCHF_ACCH's for instance 1 of cell A for HO cases with frequency hopping.	1796
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_HO_A_1 F2	To set one physical channel used as TCHF_ACCH's for instance 1 of cell A for HO cases with frequency hopping.	1797
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_A_TCHd ef	To set one physical channel used as TCHF_ACCH's for instance 2 of cell A.	1797
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_A_2_6	To set one physical channel used as TCHF_ACCH's for instance 2 of cell A for TC_26_6_13_1.	1798
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_B_1	To set one physical channel used as TCHF_ACCH's for instance 1 of cell B.	1798
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_B_1_3	To set one physical channel used as TCHF_ACCH's for instance 1 of cell B.	1799
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_B_1_4	To set one physical channel used as TCHF_ACCH's for instance 1 of cell B.	1799
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_B_2_1	To set one physical channel used as TCHF_ACCH's for instance 2 of cell B.	1800
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_E_B_1F1	To set one physical channel used as TCHF_ACCH's for instance 1 of cell A for HO cases with frequency hopping, used in EGSM	1800
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_E_B_1F2	To set one physical channel used as TCHF_ACCH's for instance 1 of cell A for HO cases with frequency hopping, used in EGSM	1800
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_HO_B_1	To set one physical channel used as TCHF_ACCH's for instance 1 of cell B for HO cases for GSM900 and DCS1800.	1801
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_HO_B_1 F2	To set one physical channel used as TCHF_ACCH's with frequency hopping for instance 1 of cell B for HO cases	1801
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_HO_B_1 F3	To set one physical channel used as TCHF_ACCH's with frequency hopping for instance 1 of cell B for HO cases	1801
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_HO_B_1 F4	To set one physical channel used as TCHF_ACCH's with frequency hopping for instance 1 of cell B for HO cases	1802
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_HO_B_1 F5	To set one physical channel used as TCHF_ACCH's with frequency hopping for instance 1 of cell B for HO cases	1802

GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_HO_B_1 F6	To set one physical channel used as TCHF_ACCH's with frequency hopping for instance 1 of cell B for HO cases	1802
GSM_L3_MS_v4160/management/Ch Config/	FullRateCh_H_1	To set one physical channel used as TCHF_ACCH's for instance 1 of cell H.	1803
GSM_L3_MS_v4160/management/Ch Config/	HalfRateCh_A_def	To set one physical channel used as TCHH_ACCH's for instance 1 of cell A.	1803
GSM_L3_MS_v4160/management/Ch Config/	HalfRateCh_A_1_im		1803
GSM_L3_MS_v4160/management/Ch Config/	HalfRateCh_A_im_def		1804
GSM_L3_MS_v4160/management/Ch Config/	HalfRateCh_E_A_1	To set one physical channel used as TCHH_ACCH's for instance 1 of cell A.	1804
GSM_L3_MS_v4160/management/Ch Config/	HalfRateCh_A_1_4	To set one physical channel used as TCHH_ACCH's for instance 1 of cell A for TC_26_6_13_1.	1804
GSM_L3_MS_v4160/management/Ch Config/	HalfRateCh_A_1_5	To set one physical channel used as TCHH_ACCH's for instance 1 of cell A for TC_26_6_13_2.	1805
GSM_L3_MS_v4160/management/Ch Config/	HalfRateCh_A_1_6	To set one physical channel used as TCHH_ACCH's for instance 1 of cell A for TC_26_6_13_3.	1805
GSM_L3_MS_v4160/management/Ch Config/	HalfRateCh_A_1_7	To set one physical channel used as TCHH_ACCH's for instance 1 of cell A for TC_26_6_13_4.	1806
GSM_L3_MS_v4160/management/Ch Config/	HalfRateCh_A_1_8	To set one physical channel used as TCHH_ACCH's for instance 1 of cell A for TC_26_6_13_7.	1806
GSM_L3_MS_v4160/management/Ch Config/	HalfRateCh_A_1_9	To set one physical channel used as TCHH_ACCH's for instance 1 of cell A for TC_26_6_13_8.	1807
GSM_L3_MS_v4160/management/Ch Config/	HalfRateCh_A_1_10	To set one physical channel used as TCHH_ACCH's for instance 1 of cell A for TC_26_6_13_9.	1807
GSM_L3_MS_v4160/management/Ch Config/	HalfRateCh_A_1_11	To set one physical channel used as TCHH_ACCH's for instance 1 of cell A for TC_26_6_13_10.	1808
GSM_L3_MS_v4160/management/Ch Config/	HalfRateCh_A_1_12	To set one physical channel used as TCHH_ACCH's for instance 1 of cell A for TC_26_6_6_1.	1808
GSM_L3_MS_v4160/management/Ch Config/	HalfRateCh_A_2_3	To set one physical channel used as TCHH_ACCH's for instance 2 of cell A for TC_26_6_13_1.	1809
GSM_L3_MS_v4160/management/Ch Config/	HalfRateCh_A_TCHDef	To set one physical channel used as TCHH_ACCH's for instance 2 of cell A.	1809
GSM_L3_MS_v4160/management/Ch Config/	HalfRateCh_HO_A_1	To set one physical channel used as TCHH_ACCH's for instance 1 of cell A.	1809
GSM_L3_MS_v4160/management/Ch Config/	HalfRateCh_HO_A_1 F1	To set one physical channel used as TCHH_ACCH's for instance 1 of cell A.	1810
GSM_L3_MS_v4160/management/Ch Config/	HalfRateCh_HO_A_1 F2	To set one physical channel used as TCHH_ACCH's for instance 1 of cell A.	1810
GSM_L3_MS_v4160/management/Ch Config/	HalfRateCh_B_1_1	To set one physical channel used as TCHH_ACCH's for instance 1 of cell B for TC_26_6_13_5.	1810
GSM_L3_MS_v4160/management/Ch Config/	HalfRateCh_B_1_2	To set one physical channel used as TCHH_ACCH's for instance 1 of cell B for TC_26_6_13_6.	1811
GSM_L3_MS_v4160/management/Ch Config/	HalfRateCh_B_2_1	To set one physical channel used as TCHH_ACCH's for instance 2 of cell B for TC_26_6_13_5.	1811
GSM_L3_MS_v4160/management/Ch Config/	HalfRateCh_HO_B_1	To set one physical channel used as TCHH_ACCH's for instance 1 of cell B	1812
GSM_L3_MS_v4160/management/Ch Config/	HalfRateCh_HO_B_1 F1	To set one physical channel used as TCHH_ACCH's for instance 1 of cell B for TC_26_6_13_5.	1812
GSM_L3_MS_v4160/management/Ch Config/	HalfRateCh_HO_B_1 F2	To set one physical channel used as TCHH_ACCH's for instance 1 of cell B	1813
GSM_L3_MS_v4160/management/Ch Config/	HalfRateCh_HO_B_1 F3	To set one physical channel used as TCHH_ACCH's for instance 1 of cell B	1813
GSM_L3_MS_v4160/management/Ch Config/	HalfRateCh_HO_B_1 F4	To set one physical channel used as TCHH_ACCH's for instance 1 of cell B	1814
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_A_def	To set one physical channel used as SDCCH8 channel for instance 1 of cell A.	1814
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_A_1_1	To set one physical channel used as SDCCH8 channel for instance 1 of cell A.	1815
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_E_A_1_1	To set one physical channel used as SDCCH8 channel for instance 1 of cell A.	1815
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_E_A_1_2	To set one physical channel used as SDCCH8 channel for instance 1 of cell A.	1815
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_E_A_1_1F1	To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A for HO cases.	1816
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_E_A_1_1F2	To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A for HO cases.	1816

GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_HO_A_1_1	To set one physical channel used as SDCCH8 channel for instance 1 of cell A.	1817
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_HO_A_1_1 F	To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A for HO cases.	1817
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_HO_A_1_2 F	To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A for HO cases.	1818
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_HO_A_1_3 F	To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A for HO cases.	1818
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_A_1_2	To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A.	1819
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_A_1_3	To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A For TC_26_6_13_2.	1819
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_A_1_4	To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A For TC_26_6_13_3.	1820
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_A_1_5	To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A For TC_26_6_13_4.	1820
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_A_1_6	To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A For TC_26_6_13_5.	1821
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_A_1_7	To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A For TC_26_6_13_6.	1821
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_A_1_8	To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A For TC_26_6_13_7.	1822
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_A_1_9	To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A For TC_26_6_13_8.	1822
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_A_1_10	To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A For TC_26_6_13_9.	1823
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_A_1_11	To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A For TC_26_6_13_10.	1823
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_A_1_12	To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A For TC_26_6_6_1.	1824
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_A_2_1	To set one physical channel used as hopping SDCCH8 channel for instance 2 of cell A, for TC_26_6_13_1.	1824
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_E_A_2_1	To set one physical channel used as hopping SDCCH8 channel for instance 2 of cell A, for EGSM test case TC_26_6_10_3.	1824
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_A_2_2	To set one physical channel used as hopping SDCCH8 channel for instance 2 of cell A.	1825
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_A_3_1	To set one physical channel used as hopping SDCCH8 channel for instance 3 of cell A.	1825
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_B_1_1	To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell B For TC_26_6_13_5.	1826
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_B_1_2	To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell B For TC_26_6_13_6.	1826
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_B_2_1	To set one physical channel used as hopping SDCCH8 channel for instance 2 of cell B For TC_26_6_13_5.	1827
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_E_B_1_1F	To set one physical channel used as non hopping SDCCH8 channel for instance 1 of cell B for EGSM cases.	1827
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_E_B_1_2F	To set one physical channel used as non hopping SDCCH8 channel for instance 1 of cell B for EGSM cases.	1827
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_HO_B_1_1 F	To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell B for HO cases.	1828
GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_HO_B_1_2 F	To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell B for HO cases.	1828

GSM_L3_MS_v4160/management/Ch Config/	SDCCH8_HO_B_1_3 F	cases. To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A for HO cases.	1829
GSM_L3_MS_v4160/Miscellaneous/	Adjust_gsmanddcs_p overlvl		1829
GSM_L3_MS_v4160/Miscellaneous/	AOC_CHK_FAC	Check the receive of FACILITY within one second at AOCC	1829
GSM_L3_MS_v4160/Miscellaneous/	AssCh_complete		1830
GSM_L3_MS_v4160/Miscellaneous/	AssCh_failure		1830
GSM_L3_MS_v4160/Miscellaneous/	AssCmdGenMO		1831
GSM_L3_MS_v4160/Miscellaneous/	AssCmdGenMT		1832
GSM_L3_MS_v4160/Miscellaneous/	AssCmdGen2MT		1832
GSM_L3_MS_v4160/Miscellaneous/	Assoc	To associate the sub logic channel identifiers to the generic "parent" channel identifiers therefore the subchannel identifiers can refer to the corresponding channels configured by OM_ChConf.	1833
GSM_L3_MS_v4160/Miscellaneous/	Authentication	To execute the authentication procedure.	1833
GSM_L3_MS_v4160/Miscellaneous/	CCAuthenticate		1833
GSM_L3_MS_v4160/Miscellaneous/	CCAssignTCH		1834
GSM_L3_MS_v4160/Miscellaneous/	CCCH_group_Paging_group		1835
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GSM_L3_MS_v4160/Miscellaneous/	CCStartCipher		1839
GSM_L3_MS_v4160/Miscellaneous/	CCstatuschk_01	To check whether the MS under test is in the CC state `st`.	1839
GSM_L3_MS_v4160/Miscellaneous/	CCstatuschk_02	To check whether the MS under test is in the CC state `st`.	1840
GSM_L3_MS_v4160/Miscellaneous/	CCstatuschk_03	To check whether the MS under test is in the CC state `st`.	1840
GSM_L3_MS_v4160/Miscellaneous/	CCstatuschk_04	To check whether the MS under test is in the CC state `st`.	1840
GSM_L3_MS_v4160/Miscellaneous/	CCstatuschk_05	To check whether the MS under test is in the CC state `st`.	1841
GSM_L3_MS_v4160/Miscellaneous/	CheckTIsInStateU0		1841
GSM_L3_MS_v4160/Miscellaneous/	Ciphering_off	To switch off the ciphering. In presteps the ciphering shall be switched on.	1842
GSM_L3_MS_v4160/Miscellaneous/	Ciphering_off2	To execute the ciphering procedure with ciphering mode OFF. In Presteps the ciphering may not have been switched on.	1842
GSM_L3_MS_v4160/Miscellaneous/	Ciphering_on	To switch on the ciphering.	1842
GSM_L3_MS_v4160/Miscellaneous/	Compute_ti	To define the ti-parameter for originating and destination parts of the actual cc-connection.	1842
GSM_L3_MS_v4160/Miscellaneous/	DTMFSignalling	To handle DTMF signalling initiated by the MS, which sends 'n' tones to the network.	1843
GSM_L3_MS_v4160/Miscellaneous/	IdentityRequest	To execute the identity procedure depending on the given identity type. Used var's: TCV_ch, TCV_tmsi	1843
GSM_L3_MS_v4160/Miscellaneous/	ImsiDetach	To execute the IMSI Detach procedure after SIM_Remove or PowerDown or SwirchOff.	1844
GSM_L3_MS_v4160/Miscellaneous/	ImsiAttach	To execute the IMSI Attach procedure. Used var's: TCV_chmaindcch	1844
GSM_L3_MS_v4160/Miscellaneous/	InCallModi1		1844
GSM_L3_MS_v4160/Miscellaneous/	LowerLayerFailure	To force the lower layer failure.	1845
GSM_L3_MS_v4160/Miscellaneous/	MM_LUP	To execute the Location Update Procedure. Parameter of the location updating request will not be checked.	1845

GSM_L3_MS_v4160/Miscellaneous/	MM_LUP2	To execute the Location Update Procedure. The parameter lup_mi is the actual mi of MS before MM_LUP.	1845
GSM_L3_MS_v4160/Miscellaneous/	MM_LUP3	To execute the normal Location Update Procedure. No check of parameter.	1846
GSM_L3_MS_v4160/Miscellaneous/	MM_LUPauth1	To execute the Location Update Procedure with authentication. Check of the parameter LAI, MSCClassMark and Mobile Identity is not required and are not checked.	1846
GSM_L3_MS_v4160/Miscellaneous/	MM_LUPauth2	To execute the Location Update Procedure with authentication. Checking of the parameter LAI, MSCClassMark and Mobile Identity is required.	1847
GSM_L3_MS_v4160/Miscellaneous/	MM_LUP_imsi	To execute the Location Update Procedure only for IMSI. The parameter lup_mi is the actual mi of MS before MM_LUP.	1847
GSM_L3_MS_v4160/Miscellaneous/	MM_LUP_imsi1	To execute the Location Update Procedure only for IMSI. The parameter lup_mi is the actual mi of MS before MM_LUP. It is called by TC_26_7_4_3_1.	1848
GSM_L3_MS_v4160/Miscellaneous/	MM_LUP_tmsirealloc	To execute the Location Update Procedure. The parameter expectedlup_mi is the actual mi of MS before MM_LUP. The expectedlup_mi is not used in this teststep, it is not required to check it.	1848
GSM_L3_MS_v4160/Miscellaneous/	MM_LUPper	To execute the periodic Location Update Procedure.	1849
GSM_L3_MS_v4160/Miscellaneous/	MM_LUPper2	To execute the periodic Location Update Procedure.	1849
GSM_L3_MS_v4160/Miscellaneous/	MM_LUPperauth	To execute the periodic Location Update Procedure.	1850
GSM_L3_MS_v4160/Miscellaneous/	MM_LUPperrej	To execute the periodic Location Update Procedure.	1850
GSM_L3_MS_v4160/Miscellaneous/	MM_LUPperrej2	To execute the Location Update Procedure, which shall be rejected.	1851
GSM_L3_MS_v4160/Miscellaneous/	MM_LUPperrej3	To execute the Location Updating Procedure, which shall be stopped with channel release.	1851
GSM_L3_MS_v4160/Miscellaneous/	MM_LupRej	To execute the Location Update Procedure, which shall be rejected.	1852
GSM_L3_MS_v4160/Miscellaneous/	MM_LupRej2	To execute the Location Update Procedure, which shall be rejected.	1852
GSM_L3_MS_v4160/Miscellaneous/	MM_noimsidetach	To detach of th SIM card(if possible) or to switch off of the MS(if possible) or to remove the power. This step check also after MS_off, if the MS doesn't initiate an RR connection. This is checked during 'par' seconds.	1853
GSM_L3_MS_v4160/Miscellaneous/	MM_PwrOrSimOff	To detach/attach of the SIM card(if possible) or to switch off/on of the MS(if possible) or to remove/attach the power.	1853
GSM_L3_MS_v4160/Miscellaneous/	MM_PwrOrSimOn	To insert the SIM card(if possible) or to switch on of the MS(if possible) or to attach the power.	1853
GSM_L3_MS_v4160/Miscellaneous/	MM_check_ecall1	To check, if MS execute the emergency call.	1854
GSM_L3_MS_v4160/Miscellaneous/	MM_check_ecall2	To check, if MS execute the emergency call with IMSI	1855
GSM_L3_MS_v4160/Miscellaneous/	MM_check_ecall3	To check, if MS execute the emergency call in cell A.	1856
GSM_L3_MS_v4160/Miscellaneous/	MM_no_cmsservices	To check, if MS doesn't execute a MO CM connection procedure.	1856
GSM_L3_MS_v4160/Miscellaneous/	MM_no_norm_lup	To check, if MS doesn't initiate a RR connection. The duration of the checking is set in given par.	1857
GSM_L3_MS_v4160/Miscellaneous/	MM_no_paging	To check, if MS doesn't initiate a RR connection. The duration of the checking is set in given par.	1857
GSM_L3_MS_v4160/Miscellaneous/	MM_noperiodicLup	To check, if MS doesn't execute execute the periodic Location Update Procedure.	1857
GSM_L3_MS_v4160/Miscellaneous/	RR_hocomp1	To finish the HO-procedure.	1858
GSM_L3_MS_v4160/Miscellaneous/	RR_hocomp2	To finish the HO-procedure.	1859
GSM_L3_MS_v4160/Miscellaneous/	RR_hocomp3	To finish the HO-procedure in synchronized HO cases.	1859
GSM_L3_MS_v4160/Miscellaneous/	RRmtcallprepare	To establish a full rate call with non hopping in cell A for GSM900 and DCS1800. IUT should be in idle updated state.	1860
GSM_L3_MS_v4160/Miscellaneous/	RRmtcallprepareNoAuthNoCiph	To establish a full rate call with non hopping in cell A for GSM900 and DCS1800. IUT should be in idle updated state. No authentication, no ciphering.	1861
GSM_L3_MS_v4160/Miscellaneous/	NoReaction	To check, if MS doesn't initiate any RR connections.	1861
GSM_L3_MS_v4160/Miscellaneous/	SelectPagingCh		1862
GSM_L3_MS_v4160/Miscellaneous/	SetupRcvMo		1862
GSM_L3_MS_v4160/Miscellaneous/	SetupRcvMo1		1863



GSM_L3_MS_v4160/Miscellaneous/	SetupRcvMo2		1863
GSM_L3_MS_v4160/Miscellaneous/	SetupRcvE		1863
GSM_L3_MS_v4160/Miscellaneous/	TmsiReallocation	To execute the TMSI reallocation procedure. Used var's: TCV_ch	1863
GSM_L3_MS_v4160/Miscellaneous/	Varinit_fixcommon		1864
GSM_L3_MS_v4160/Miscellaneous/	Varinit_fixA		1864
GSM_L3_MS_v4160/Miscellaneous/	Varinit_fixB		1864
GSM_L3_MS_v4160/Miscellaneous/	Varinit_fixC		1865
GSM_L3_MS_v4160/Miscellaneous/	Wait	To wait 'par'seconds.	1865
GSM_L3_MS_v4160/Miscellaneous/	WaitForInService	To wait until the MS enters the Idle and updated state.	1865
GSM_L3_MS_v4160/Miscellaneous/	WaitForInService2	To wait until the MS enters the Idle and updated state.	1866
GSM_L3_MS_v4160/Miscellaneous/	WaitMainLinkDown	To wait until the main link going down  This teststep shall be used onyl at the and of the testcases. It sets the final verdict.	1866
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	ChgLAC	To change the LAC of cell A and set T3212 to 6 minutes	1867
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	ChgLAC_A	To change the LAC of cell A.	1868
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	ChgLAC_B	To change the LAC of cell B.	1869
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	ChgLAI_C	To change the LAI of cell C to HPLMN.	1870
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_MM_A	To send system information messages for the L3 tests. The following parameters specified by input parameters.	1871
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_MM_B	To send system information messages for the L3 tests. The following parameters specified by input parameters.	1873
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_MM_C	To send system information messages for the L3 tests. The following parameters specified by input parameters.	1875
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_01	To send system information messages with default parameters defined for L3 tests for which no other special parameters indicated.	1877
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_r1	To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages with default parameters defined for RR test except CCCH_CONF, Tx-integer, Max-Retrans which are specified by input parameters.	1879
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_r2	To send system information messages in cell A with default parameters except the 5 parameters, the combined CCCH, Max-retrns, Tx-INTEGGER, control channel description and logic channel which are specified by formal parameters.	1881
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_r4	To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages with default parameters defined for cell B in RR tests.	1883
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_m1	To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages with default parameters defined for MM test based on RR test.	1885
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_1	To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell A for idle mode test	1886
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_2	To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell B for idle mode test	1887
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_3	To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell B for idle mode test	1888
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_4	To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell D for idle mode test	1889
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_5	To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell E for idle mode test	1890
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_6	To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell F for idle mode test	1891

GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_7	To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell G for idle mode test	1892
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_8	To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell H for idle mode test	1893
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_9	To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages with default parameters except Tx-integer, Max-Retrans which are specified by input parameters and radio-link-timeout = 64.	1894
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_10	To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell A (cell S1) for measurement testing.	1896
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_11	To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell B (cell N1) for measurement testing.	1898
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_12	To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell C (cell N2) for measurement testing.	1899
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_13	To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell D (cell N3) for measurement testing.	1900
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_14	To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell E (cell N4) for measurement testing.	1901
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_15	To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell F (cell N5) for measurement testing.	1902
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_16	To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell G (cell N6) for measurement testing.	1903
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_17	To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell H (cell N7) for measurement testing.	1904
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_18	To send system information in cell A (cell S1) for measurement testing. The DTX is set to "MS shall use discontinuous transmission.	1905
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_19	To send system information messages with default parameters defined for the L3 tests except Cell-Reselect-Hysteresis = 0	1907
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_20	Sending of Systeminformation in EGSM cases for cell A.	1909
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_201	Sending of Systeminformation in HO_cases for cell A.	1910
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_202	Sending of Systeminformation in HO_cases for cell A.	1912
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_211	Sending of Systeminformation in HO_cases for cell B using 256 format for cell allocation.	1914
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_212	Sending of Systeminformation in HO_cases for cell B with CA in 512 format.	1916
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_22	Sending of Systeminformation for cell A in EGSM test case TC_26_10_2_2.	1918
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfoSending_23	Sending of Systeminformation for cell A in EGSM test case.	1919
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfo_SacchSending	To send SYSTEM INFORMATION 5 and 6 messages defined by parameters 'sysinfo5_pdu' and 'sysinfo6_pdu' in the parametrised 'ch' channel.	1920
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SysInfo_5bisSending	To send SYSTEM INFORMATION 5bis message defined by parameters 'sysinfo5bis_pdu' in the parametrised 'ch' channel.	1920
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SetNECI	To set the NECI =1.	1921
GSM_L3_MS_v4160/Miscellaneous/SysInfo/	SetATT	To set the ATT flag to "MS's in the cell should apply IMSI attach and detach procedure"	1922
GSM_L3_MS_v4160/OperatorOP/	AddPwrAmp	To add power amplification of the MS.	1923
GSM_L3_MS_v4160/OperatorOP/	AttmpCall	To attempt a call which is supported by the MS and described in TSPX_MO_BscSvc_AnyCall. The rate is defined in TSPX_MO_rate_AnyCall.	1923
GSM_L3_MS_v4160/OperatorOP/	InitCall	To initiate a call for the basic service `srv` with channel rate `rate`.	1923
GSM_L3_MS_v4160/OperatorOP/	AttmpDataCall	To attempt an MO data call described in TSPX_MO_BscSvc_FRDataCall.	1923

GSM_L3_MS_v4160/OperatorOP/	AttmpDualModeCall	To attempt an MO data call described in TSPX_MO_BscSvc_DualModeCall. The rate is described in TSPX_MO_rate_DualModeCall.	1923
GSM_L3_MS_v4160/OperatorOP/	AttmpEmgCall	To attempt an emergency call at the MS under test. The rate is indicated by TSPX_MO_rate_EmergencyCall.	1924
GSM_L3_MS_v4160/OperatorOP/	AttmpFullRateCall	To attempt an MO full rate call at the MS. The service is described in TSPX_MO_BscSvc_FRCall.	1924
GSM_L3_MS_v4160/OperatorOP/	AttmpHalfRateCall	To attempt an MO half rate call described in TSPX_MO_BscSvc_HRCall.	1924
GSM_L3_MS_v4160/OperatorOP/	AttmpHalfRateDataCall	To attempt an MO half rate data call at the MS. The service is described in TSPX_MO_BscSvc_HRCall.	1924
GSM_L3_MS_v4160/OperatorOP/	AtmpNonCallSupp	To attempt a non call related supplementary service at the MS under test.	1924
GSM_L3_MS_v4160/OperatorOP/	AtmpShortMsg	To attempt an MO short message service transaction at the MS under test.	1925
GSM_L3_MS_v4160/OperatorOP/	AttmpSpchCall	To attempt an MO speech call at the MS under test. The service is indicated SPX_MO_BscSvc_SpeechCall. The rate is indicated by TSPX_MO_rate_SpeechCall.	1925
GSM_L3_MS_v4160/OperatorOP/	CheckUssdStringDisplayed	To check whether the correct USSD String is displayed on the MS	1925
GSM_L3_MS_v4160/OperatorOP/	InsertSIM	To insert the SIM card.	1925
GSM_L3_MS_v4160/OperatorOP/	PLMNsCHK	To check whether the MS presents a list of available PLMNs.	1925
GSM_L3_MS_v4160/OperatorOP/	RemvPwrAmp	To remove the added power amplification of the MS.	1926
GSM_L3_MS_v4160/OperatorOP/	RemoveSIM	To remove SIM card.	1926
GSM_L3_MS_v4160/OperatorOP/	RFtransCHK	To check whether the MS transmits any radio signal.	1926
GSM_L3_MS_v4160/OperatorOP/	TermCall	To terminate (clear) the call at the MS under test.	1926
GSM_L3_MS_v4160/OperatorOP/	ServiceIndCHK	To check whether the MS gives any service indication.	1926
GSM_L3_MS_v4160/OperatorOP/	SwitchoffOrPowerdown	To switch off or power off the MS under test.	1927
GSM_L3_MS_v4160/OperatorOP/	SwitchonOrPowerup	To switch on or power up the MS under test.	1927
GSM_L3_MS_v4160/OperatorOP/	SwitchOff	To switch on the MS under test.	1927
GSM_L3_MS_v4160/OperatorOP/	SwitchOn	To switch on the MS under test.	1927
GSM_L3_MS_v4160/Postambles/	PostMainLinkRel	To release the main signalling link `ch`, and bring the MS back to Idle state.	1928
GSM_L3_MS_v4160/Postambles/	ChanRel	To release the RR connection on the channel TCV_chmaindcch and bring the MS back to Idle state.	1928
GSM_L3_MS_v4160/Postambles/	ChanRel_P	To release the RR connection on the channel TCV_chmaindcch and bring the MS back to Idle state. This teststep decides the verdict (P).	1928
GSM_L3_MS_v4160/Postambles/	ChanRel_end	To release the RR connection on the channel TCV_chmaindcch and bring the MS back to Idle state. This teststep decides the final verdict and therefore it shall be used only at the end of testcases.	1928
GSM_L3_MS_v4160/Postambles/	RestoreCphKey	To restore the chpering key and cphering key sequency number of SIM to the default value.	1929
GSM_L3_MS_v4160/Preambles/	BasicServiceMO		1930
GSM_L3_MS_v4160/Preambles/	BasicServiceMOorTelephony	To get a MO SETUP message with right BC IE.	1932
GSM_L3_MS_v4160/Preambles/	BasicServiceMT	To get a MT SETUP message with right BC IE.	1933
GSM_L3_MS_v4160/Preambles/	BasicServiceMTorTelephony	To get a MT SETUP message with right BC IE.	1938
GSM_L3_MS_v4160/Preambles/	BasicServiceMTNICorTelephony	To get a MT SETUP message with right BC IE.	1938
GSM_L3_MS_v4160/Preambles/	EstMsOrigFullRateCall	To establish a full rate call in any cell.	1939
GSM_L3_MS_v4160/Preambles/	EstMsOrigTCHF_init	To initiate a mobile originating full rate call for the supported bearer capability. Only in HO cases.	1940
GSM_L3_MS_v4160/Preambles/	EstMsOrigHalfRateCall	To establish a half rate mobile station originating call.	1941
GSM_L3_MS_v4160/Preambles/	EstMsTermFullRateCallFH	To establish a full rate call with FH(in CELL A or B).	1942
GSM_L3_MS_v4160/Preambles/	EstMsTermFullRateCallNonFH	To establish a full rate call with non hopping(in CELL A or B) for GSM900 and DCS1800.	1943
GSM_L3_MS_v4160/Preambles/	EstMsTermHalfRateCallFH	To establish a half rate call with FH.	1944
GSM_L3_MS_v4160/Preambles/	EstMsTermHalfRateCallNonFH	To establish a half rate call with non hopping.	1945

GSM_L3_MS_v4160/Preambles/	allNonFH IdleUpdated2	To ensure that the SIM is updated to the initial conditions and the MS with CKSN valid, TMSI valid and idle updated in cell A.	1946
GSM_L3_MS_v4160/Preambles/	IdleUpdated	To ensure that the SIM is updated to the initial conditions and the MS with CKSN valid, TMSI valid and idle updated in cell A, B or C.	1948
GSM_L3_MS_v4160/Preambles/	PreCCSetup		1950
GSM_L3_MS_v4160/Preambles/	PreCCSetupMO		1950
GSM_L3_MS_v4160/Preambles/	PreEnterIdleState_02	To set one physical channel used as FCHH_SCH_BCCH_CCCH for cell A and broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters, except CCCH not combined with SDCCH, then wait for the SUT (MS) entering the Idle updated state.	1950
GSM_L3_MS_v4160/Preambles/	PreEnterIdleState_03	To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell A, then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters for cell A, and wait for the SUT (MS) entering the Idle updated state.	1951
GSM_L3_MS_v4160/Preambles/	PreEnterIdleState_04	To set a physical channel used as full rate traffic channel for cell A and a physical channel used as combined BCCH then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 containing default parameters except Max-Retrans = 7. and wait for the SUT (MS) entering the Idle updated state.	1951
GSM_L3_MS_v4160/Preambles/	PreEnterIdleState_05	To set a physical channel used as half rate traffic channel for cell A and a physical channel used as combined BCCH then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 containing default parameters except Max-Retrans = 7. and wait for the SUT (MS) entering the Idle updated state.	1951
GSM_L3_MS_v4160/Preambles/	PreEnterIdleState_07	To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters in cell B, and wait for the SUT (MS) entering the Idle updated state.	1952
GSM_L3_MS_v4160/Preambles/	PreEnterIdleState_11	To set a physical channel used as full rate traffic channel for cell A and a physical channel used as combined BCCH then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 containing default parameters except Cell-Reselect-Hysteresis = 0, and wait for the SUT (MS) entering the Idle updated state.	1952
GSM_L3_MS_v4160/Preambles/	PreEnterIdleState_12	To set a physical channel used as full rate traffic channel for cell A and a physical channel used as combined BCCH then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 containing default parameters except Max-Retrans = 7, Cell-Reselect-Hysteresis = 0, and wait for the SUT (MS) entering the Idle updated state.	1952
GSM_L3_MS_v4160/Preambles/	PreEnterIdleState_13		1953
GSM_L3_MS_v4160/Preambles/	PreEnterIdleState_r01	To broadcast SYSTEM INFORMATION messages 1, 2, 3, 4, 5 and 6 with some options in cell A, and wait for the SUT (MS) entering the Idle updated state (3 parameters: combined channel, max retransmission, and tx integer can be set/assigned).	1953
GSM_L3_MS_v4160/Preambles/	PreEnterIdleState_Comb01	To broadcast SYSTEM INFORMATION messages 1, 2, 3, 4, 5 and 6 with some options in cell A, and wait for the SUT (MS) entering the Idle updated state (3 parameters: combined channel, max retransmission, and tx integer can be set/assigned).	1954
GSM_L3_MS_v4160/Preambles/	PreEnterIdleState_r02	To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with some options in cell A, and wait for the SUT (MS) entering the Idle updated state. 2 parameters: max retransmission, and tx integer can be set/assigned and legal combination of CCCH-CONF, BS-AG-BLKS-RES, BS-PA-MFRMS are specified by parameter `ccd`.	1955
GSM_L3_MS_v4160/Preambles/	PreEnterIdleState_r03	To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 except radio-link-timeout = 64 in cell A, and wait for the SUT (MS) entering the Idle updated state.	1956
GSM_L3_MS_v4160/Preambles/	PreEnterIdleState_r03_1	To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 except radio-link-timeout = 64 in cell A, and wait for the SUT (MS) entering the Idle updated state.	1956

GSM_L3_MS_v4160/Preambles/	PreEnterIdleState_Comb04	state. To setup BCCH, CCCH and SDCCH4 channel and full rate traffic channel for cell A in RR test.	1957
GSM_L3_MS_v4160/Preambles/	PreEnterIdleState_r06	To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with an option in cell A, and wait for the SUT (MS) entering the Idle updated state (1 parameter: cell allocation can be assigned).	1958
GSM_L3_MS_v4160/Preambles/	PreEnterIdleState_r07	To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with an option in cell A, and wait for the SUT (MS) entering the Idle updated state (1 parameter: cell allocation can be assigned).	1960
GSM_L3_MS_v4160/Preambles/	PreEnterIdleState_20	To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters in cell A in HO-cases, and wait for the SUT (MS) entering the Idle updated state.	1961
GSM_L3_MS_v4160/Preambles/	PreEnterIdleState_201	To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters in cell A and B in HO-cases, and wait for the SUT (MS) entering the Idle updated state.	1962
GSM_L3_MS_v4160/Preambles/	PreEnterIdleState_202	To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters in cell A in HO-cases, and wait for the SUT (MS) entering the Idle updated state.	1963
GSM_L3_MS_v4160/Preambles/	PreEnterIdleState_202e	To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters in cell A in HO-cases, and wait for the SUT (MS) entering the Idle updated state.	1964
GSM_L3_MS_v4160/Preambles/	PreEnterIdleState_22	To broadcast SYSTEM INFORMATION messages 1, 2, 3, 4, 5 and 6 with default parameters in cell A for EGSM test case TC_26_10_2_2, and wait for the SUT (MS) entering the Idle updated state.	1965
GSM_L3_MS_v4160/Preambles/	PreEnterIdleState_23	Sending of Systeminformation for cell A in EGSM test case.	1965
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU01_21	To bring the MS into CC state U0.1 by procedure in table 26.8.1.2/1. This is used in CC testing.	1965
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU1_21	To bring the MS into CC state U1 by procedure in table 26.8.1.2/1. This is used in CC testing.	1966
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU1_22	To bring the MS into CC state U1 by procedure in table 26.8.1.2/2. This is used in CC testing.	1966
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU1_22Timer	To bring the MS into CC state U1 by procedure in table 26.8.1.2/2. This is used in CC testing.	1967
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU1_24	To bring the MS into CC state U1 by procedure in table 26.8.1.2/4. This is used in CC testing.	1967
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU1	To establish a mobile originating call and put the MS under test in the CC state U1.	1968
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU3	To establish a mobile originating call and put the MS under test in the CC state U3.	1969
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU3_21	To bring the MS into CC state U3 by procedure in table 26.8.1.2/1. This is used in CC testing.	1969
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU3_22	To bring the MS into CC state U3 by procedure in table 26.8.1.2/2. This is used in CC testing.	1970
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU3_23	To bring the MS into CC state U3 by procedure in table 26.8.1.2/3. This is used in CC testing.	1970
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU3_24	To bring the MS into CC state U3 by procedure in table 26.8.1.2/4. This is used in CC testing.	1970
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU4_21	To bring the MS into CC state U4 by procedure in table 26.8.1.2/1. This is used in CC testing.	1971
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU4_22	To bring the MS into CC state U4 by procedure in table 26.8.1.2/2. This is used in CC testing.	1971
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU4_23	To bring the MS into CC state U4 by procedure in table 26.8.1.2/3. This is used in CC testing.	1971
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU4_24	To bring the MS into CC state U4 by procedure in table 26.8.1.2/4. This is used in CC testing.	1972
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU6_32	To bring the MS into CC state U6 by procedure in table 26.8.1.3/2. This is used in CC testing.	1972
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU7_31	To bring the MS into CC state U7 by procedure in table 26.8.1.3/1. This is used in CC testing.	1972
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU7_32	To bring the MS into CC state U7 by procedure in table 26.8.1.3/2. This is used in CC testing.	1973
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU7_33	To bring the MS into CC state U7 by procedure in table 26.8.1.3/3. This is used in CC testing.	1973
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU8_	To bring the MS into CC state U8 by procedure in	1973

	31	table 26.8.1.3/1. This is used in CC testing.	
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU8_32	To bring the MS into CC state U8 by procedure in table 26.8.1.3/2. This is used in CC testing.	1974
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU8_33	To bring the MS into CC state U8 by procedure in table 26.8.1.3/3. This is used in CC testing.	1974
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU9_31		1975
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU9_32	To bring the MS into CC state U9 by procedure in table 26.8.1.3/2. This is used in CC testing.	1975
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU9_33	To bring the MS into CC state U9 by procedure in table 26.8.1.3/3. This is used in CC testing.	1975
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU9_34	To bring the MS into CC state U9 by procedure in table 26.8.1.3/4. This is used in CC testing.	1976
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU10	To establish a mobile terminating call for the supported bearer capability and put the MS under test in the CC state U10. The supported bearer capability is specified in the input parameter setup. Early assignment only. The SETUP message does not contain a SIGNAL information element.	1976
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU10_late	To establish a mobile terminating call for the supported bearer capability and put the MS under test in the CC state U10. The supported bearer capability is specified in the input parameter setup. Late assignment only. The SETUP message shall contain a SIGNAL information element.	1977
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU10_r01	To establish a mobile terminating call for the supported bearer capability and put the MS in the CC state U10.	1978
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU10_r02	To establish a mobile terminating call for the supported bearer capability and put the MS in the CC state U10.	1980
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU10_r03	To establish a mobile terminating call for the supported bearer capability and put the MS in the CC state U10. For RR testing.	1982
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU10_r04	To establish a mobile terminating call for the supported bearer capability and put the MS in the CC state U10. For RR testing.	1984
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU10_r05	To establish a mobile terminating call for the supported bearer capability and put the MS in the CC state U10. For RR testing.	1986
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU10_21	To bring the MS into CC state U10 by procedure in table 26.8.1.2/1. This is used in CC testing.	1987
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU10_22	To bring the MS into CC state U10 by procedure in table 26.8.1.2/2. This is used in CC testing.	1987
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU11_23	To bring the MS into CC state U11 by procedure in table 26.8.1.2/3. This is used in CC testing.	1988
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU11_23Timer	To bring the MS into CC state U11 by procedure in table 26.8.1.2/3. This is used in CC testing.	1988
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU11_24	To bring the MS into CC state U11 by procedure in table 26.8.1.2/4. This is used in CC testing.	1989
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU12_21	To bring the MS into CC state U12 by procedure in table 26.8.1.2/1. This is used in CC testing.	1989
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU12_22	To bring the MS into CC state U12 by procedure in table 26.8.1.2/2. This is used in CC testing.	1989
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU12_23	To bring the MS into CC state U12 by procedure in table 26.8.1.2/3. This is used in CC testing.	1990
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU19_21	To bring the MS into CC state U19 by procedure in table 26.8.1.2/1. This is used in CC testing.	1990
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU19_24	To bring the MS into CC state U19 by procedure in table 26.8.1.2/4. This is used in CC testing.	1991
GSM_L3_MS_v4160/Preambles/	PreEnterCCstateU19_24Timer	To bring the MS into CC state U19 by procedure in table 26.8.1.2/4. This is used in CC testing.	1991
GSM_L3_MS_v4160/Preambles/	PreEstRRConn	To establish a RR connection on TSPX_SDCCH4SubDef	1992
GSM_L3_MS_v4160/Preambles/	PreEstRRC_MM	To establish a RR connection for MM testcases.	1992
GSM_L3_MS_v4160/Preambles/	PreModifySetup	To setup dual mode call and initiate MO incall modification.	1993
GSM_L3_MS_v4160/Preambles/	PreModifySetupTimer	To setup dual mode call and initiate MO incall modification.	1994
GSM_L3_MS_v4160/Preambles/	StartCellA_CBMS	start cell A and enter the Idle updated state.	1995
GSM_L3_MS_v4160/Preambles/	StartCellA	To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters in cell A.	1996

GSM_L3_MS_v4160/Preambles/	StartCellA_1	To start cell A with some parameters different from defaults.	1997
GSM_L3_MS_v4160/Preambles/	StartCellA_2	To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters in cell A.	1998
GSM_L3_MS_v4160/Preambles/	StartCellA_MM1	To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters in cell A.	1999
GSM_L3_MS_v4160/Preambles/	StartCellA_MM2	To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters in cell A.	2000
GSM_L3_MS_v4160/Preambles/	StartCellA_MM3	To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters in cell A.	2001
GSM_L3_MS_v4160/Preambles/	StartCellA_MM4	To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters in cell A.	2002
GSM_L3_MS_v4160/Preambles/	StartCellA_MM5	To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters in cell A.	2003
GSM_L3_MS_v4160/Preambles/	StartCellAandB		2004
GSM_L3_MS_v4160/Preambles/	StartCellAandB2PLMN		2004
GSM_L3_MS_v4160/Preambles/	StartCellB_1	To start cell B with default parameters.	2005
GSM_L3_MS_v4160/Preambles/	StartCellB_2	To start transmission of system information messages in cell B for RR testing.	2006
GSM_L3_MS_v4160/Preambles/	StartCellB_21	To start transmission of system information messages in cell B for RR testing with controllable timing.	2006
GSM_L3_MS_v4160/Preambles/	StartCellB_3	To start cell B with default parameters. Cell B belongs to PLMN2(VPLMN)	2007
GSM_L3_MS_v4160/Preambles/	StartCellB_5	To start transmission of default system information messages in cell B for RR testing.	2009
GSM_L3_MS_v4160/Preambles/	StartCellC	To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters in cell C.	2011
GSM_L3_MS_v4160/Preambles/	Start_2cellsPLMN2		2013
GSM_L3_MS_v4160/Preambles/	StartMultiCells_01	To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 in multiple cells for idle mode testing.	2014
GSM_L3_MS_v4160/Preambles/	StartMultiCells_02	To broadcast SYSTEM INFORMATION messages 1, 2, 3, 4, 5 and 6 in multiple cells for measurement testing. Neighbour cells description for cell S1 is a formal parameter.	2016
GSM_L3_MS_v4160/Preambles/	StartMultiCells_02e	To broadcast SYSTEM INFORMATION messages 1, 2, 3, 4, 5 and 6 in multiple cells for measurement testing. Neighbour cells description for cell S1 is a formal parameter.	2018
GSM_L3_MS_v4160/Preambles/	StartMultiCells_03	To broadcast SYSTEM INFORMATION messages 1, 2, 3, 4, 5 and 6 in multiple cells for measurement testing. NCCs of cells N3, N4 and N5 are not to be monitored.	2020
GSM_L3_MS_v4160/Preambles/	StartMultiCells_04	To broadcast SYSTEM INFORMATION messages 1, 2, 3, 4, 5 and 6 in multiple cells for measurement testing. The DTX is set to "MS shall use discontinuous transmission.	2022
GSM_L3_MS_v4160/Preambles/	StartTwoCells	To start cell A and cell B with default parameters except power level of cell A = 28 dBuV and power level of cell B = 33 dBuV MNC of cell B = '02'0.	2024
GSM_L3_MS_v4160/Preambles/	StartTwoCells_01	To broadcast SYSTEM INFORMATION messages 1, 2, 3, 4, 5 and 6 in two cells for measurement testing. Neighbour cells description for cell S1 is a formal parameter.	2027
GSM_L3_MS_v4160/Preambles/	IdleState_cellA	start cell A and enter the Idle updated state.	2027
GSM_L3_MS_v4160/Preambles/	IdleState_cellB2	start cell B and enter the Idle updated state.	2028
GSM_L3_MS_v4160/Preambles/	IdleState_cellB3	To delete LAI after changing of SIM card in cell B.	2028
GSM_L3_MS_v4160/Preambles/	IdleState_cellC	start cell C and enter the Idle updated state.	2029
GSM_L3_MS_v4160/Preambles/	IdleState_2cellMM	start 2 cells and enter the Idle updated state. MS camped on 'activ_cell'.	2030
GSM_L3_MS_v4160/Preambles/	IdleState_2cellMM2	start 2 cells and enter the Idle updated state. MS camps on 'activ_cell'.	2031
GSM_L3_MS_v4160/Preambles/	IdleState_2cellMM3	start 2 cells and enter the Idle updated state. MS camped on 'activ_cell'. Combined CCCH	2032
GSM_L3_MS_v4160/Preambles/	IdleState_2cellMM4	start 2 cells and enter the Idle updated state. MS camped on 'activ_cell'. Combined CCCH	2033
GSM_L3_MS_v4160/Preambles/	IdleState_3cellMMA	start 3 cells and enter the Idle updated state. MS camped on cell A.	2034

Detailed Comments:

## Default index

Default Index			
Default Group Reference	Default Id	Description	Page Nr
GSM_L3_MS_v4160/	OtherEvents	To match unexpected events and sign final verdict for preambles.	2038
GSM_L3_MS_v4160/	OtherEventsFail	To match unexpected events and fail the test case.	2039
GSM_L3_MS_v4160/	OtherEventsFail_01	To match irrelevant CHANNEL REQUEST msg and return or match other unexpected events and fail the test case.	2040
GSM_L3_MS_v4160/	OtherEventsFail_02	To match unexpected events and fail the test case but ignore channel request messages that are sent before the lower tester has sent (and the MS received) the Immediate Assignment message.	2041
GSM_L3_MS_v4160/	OtherEvents_01	To match irrelevant messages and return	2042
GSM_L3_MS_v4160/	OtherEvents_02	To match unexpected events and sign final verdict for preambles but ignore channel request messages that are sent before the lower tester has sent (and the MS received) the Immediate Assignment message.	2043
GSM_L3_MS_v4160/	RcvHdOvAcc	To match any HANDOVER ACCESS then return to calling tree.	2044
<b>Detailed Comments:</b>			



## Declarations Part

### Test suite type definitions

#### Simple type definitions

Simple Type Definitions		
Type Name	Type Definition	Comments
B_1	BITSTRING [1]	Generic type for 1 bit value
B_2	BITSTRING [2]	Generic type for 2 bits value
B_3	BITSTRING [3]	Generic type for 3 bits value
B_4	BITSTRING [4]	Generic type for 4 bits value
B_5	BITSTRING [5]	Generic type for 5 bits value
B_8	BITSTRING [8]	Generic type for 8 bits value
BCCHFRQ	BITSTRING [5]	position of a bcch carrier in the bcch channel list
BCC	BITSTRING [3]	BS colour code
BCDN	OCTETSTRING [1..13]	BCD numbers, GSM 04.08, 10.5.4.7, octet 4-13
BSIC	BITSTRING [6]	base station identity code
CCCH_CON	BITSTRING[3]	number of physical channels for ccch GSM 04.08, 10.5.2.11
CCSTATE	INTEGER(0..20)	
CellID	IA5String	Cell identifier
CHANNEL	BITSTRING [2]	needed channel type
CHMOD_VAL	BITSTRING[8]	value for channel mode GSM 04.08, 10.5.2.6, 10.5.2.7
CH_TDMA	BITSTRING[5]	channel type and TDMA offset GSM 04.08, 10.5.2.5
CI	OCTETSTRING [2]	cell identity, GSM 04.08, 10.5.1.1
CKSN	BITSTRING[3]	ciphering key sequence number(only key sequence) GSM 04.08, 10.5.1.2
CLRSUP	BITSTRING('10100001'B)	CLIR suppression GSM 04.08, 10.5.4.11a
CLRINV	BITSTRING('10100010'B)	CLIR invocation GSM 04.08, 10.5.4.11b
CMSVTYPE	BITSTRING [4]	CM service type
CP_CAU	OCTETSTRING [1]	cp cause GSM 04.11, 8.1.4.2
CPHALG	BITSTRING[3]	Ciphering algorithm identifier GSM 04.08, 10.5.2.9
CS	BITSTRING [2]	coding standard
DeactMode	INTEGER(0..2)	Channel deactivate mode
EstMode	OCTETSTRING [1]	establish mode
EXTB	BITSTRING [1]	extension bit
FCS	HEXSTRING [2]	TP failure cause
HORF	BITSTRING [8]	handover reference
HSN	BITSTRING[6]	Hopping sequence number e.g.GSM 04.08 10.5.2.5
IDTYPE	BITSTRING('0001'B, '0010'B, '0100'B, '0011'B)	identity type
IEI_4	BITSTRING [4]	information element identifier, type 1
IEI_8	BITSTRING [8]	information element identifier, type 2-4
L2FMTYPE	INTEGER(1..3)	L2 frame type
LENGTH	OCTETSTRING [1]	IE length or L2 pseudo length. The L2 pseudo length is composed of a L2 pseudo length value, which is 6 bits long, and of 2 additional bits. See GSM 04.08 section 10.5.2.19
LEVEL	BITSTRING[5]	Power level GSM 04.08, 10.5.2.28, 10.5.2.28a
LOGICCH	IA5String	

LOGCH	IA5String	
MAC	BITSTRING[8]	mac, e.g. GSM 04.08 10.5.2.21
MAIO	BITSTRING[6]	MAIO, GSM 04.08 10.5.2.5
MAXTXPOW	INTEGER(0..31)	Max Tx Power Level GSM 04.08, 10.5.2.4
MOSERVICES	IA5String("C_Telephony", "C_EmgCallSRV", "C_AltSpchG3_2400", "C_AltSpchG3_4800", "C_AltSpchG3_9600", "C_AutoG3_T_2400", "C_AutoG3_T_4800", "C_AutoG3_T_9600", "C_300cda_T", "C_1200cda_T", "C_120075cda_T", "C_2400cda_T", "C_4800cda_T", "C_2400cda_T", "C_4800cda_T", "C_2400cda_T", "C_4800cda_T", "C_PAD300_T", "C_PAD1200_T", "C_PAD120075_T", "C_PAD2400_T", "C_PAD4800_T", "C_AltSpchData_300", "C_AltSpchData_1200", "C_AltSpchData_120075", "C_AltSpchData_2400", "C_AltSpchData_4800", "C_AltSpchData_9600", "C_SpchData_300", "C_SpchData_1200", "C_SpchData_120075", "C_SpchData_2400", "C_SpchData_4800", "C_SpchData_9600")	
MR	OCTETSTRING [1]	SMS RP or TP message reference
MT	BITSTRING[8]	message type, structure of it see MTO
MTI	BITSTRING [3]	SMS RP message type indicator
MTSERVICES	IA5String("C_Telephony", "C_AltSpchG3_2400", "C_AltSpchG3_4800", "C_AltSpchG3_9600", "C_AutoG3_T_2400", "C_AutoG3_T_4800", "C_AutoG3_T_9600", "C_300cda", "C_1200cda", "C_2400cda", "C_4800cda", "C_9600cda", "C_1200cda", "C_2400cda", "C_4800cda", "C_9600cda", "C_AltSpchData_300", "C_AltSpchData_1200", "C_AltSpchData_2400", "C_AltSpchData_4800", "C_AltSpchData_9600", "C_SpchData_300", "C_SpchData_1200", "C_SpchData_2400", "C_SpchData_4800", "C_SpchData_9600")	
NCC	BITSTRING [3]	PLMN colour code
NCCP	OCTETSTRING [1]	ncc permitted
NTI	BITSTRING('10000000'B, '10000001'B, '10000010'B)	notification indicator GSM 04.08, 10.5.4.20
PD	BITSTRING('0011'B, '0101'B, '0110'B, '1001'B, '1011'B)	Protocol discriminator
PGG	BITSTRING [8]	the paging group of an MS to be paged in binary presentation
RATE	IA5String("C_Full", "C_Half")	
RAND	BITSTRING [128]	random number
RCSD	BITSTRING [8]	reverse call setup direction GSM 04.08, 10.5.4.22a
RelMode	OCTETSTRING [1]	release mode
REJCAU	OCTETSTRING [1]	reject cause GSM 04.08, 10.5.3.6
RPI	BITSTRING [8]	repeat indicator
RRCAU	BITSTRING [8]	RR cause GSM 04.08, 10.5.2.31
RXLEV	BITSTRING [6]	received signal strength
SAPID	OCTETSTRING [1]	sap identifier
SENDINGMODE	INTEGER(1..4)	the mode of sending two consecutive messages containing paging mode IE
SHOCT	BITSTRING('0000'B)	spare half octet for type 1 information element

SKI	BITSTRING('0000'B)	GSM 04.08, 10.5.1.8
SN	BITSTRING [3]	Skip indicator all possible slot number, GSM 04.08 10.5.2.5
SPB	BITSTRING('0'B)	spare bit
SP2B	BITSTRING('00'B)	2 spare bits
SP3B	BITSTRING('000'B)	3 spare bits
SP5B	BITSTRING('00000'B)	5 spare bits
SP6B	BITSTRING('000000'B)	6 spare bits
SRES	OCTETSTRING [4]	authentication response signature
TA_VAL	BITSTRING[6]	Value for timing advance GSM 04.08, 10.5.2.40
TPCD	OCTETSTRING [157]	TP command data
TPSCTS	HEXSTRING [14]	TP service centre time stamp
TPUD	OCTETSTRING [140]	TP user data
TSC	BITSTRING[3]	Training sequence code, GSM 04.08 10.5.2.5
T1	BITSTRING [11]	
T1_	BITSTRING [5]	T1'
T2	BITSTRING [5]	
T3	BITSTRING [6]	
T3_	BITSTRING [3]	T3'
TI_V	BITSTRING('000'B, '001'B, '010'B, '011'B, '100'B, '101'B, '110'B)	TI value
TMSI_V	OCTETSTRING[4]	TMSI value is octetstring of length 4
TZONES	INTEGER(-79..79)	time zones in 15 minute steps
WI	HEXSTRING [2]	wait indication, unit in second
<b>Detailed Comments:</b>		

### Structured Type definitions

Structured Type Definition		
<b>Type Name:</b>	ACST	
<b>Comments:</b>	Auxiliary states (CC information element) GSM 04.08, 10.5.4.4	
Element Name	Type Definition	Comments
iei	IEI_8	
iel	LENGTH	
extb	EXTB	
sp3b	SP3B	
has	BITSTRING [2]	
mpas	BITSTRING [2]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	BCAP	
<b>Comments:</b>	Bearer capability (CC information element) GSM 04.08, 10.5.4.5	
Element Name	Type Definition	Comments
iei	IEI_8	
iel	LENGTH	
extb3	EXTB	
rchr	BITSTRING [2]	
cs	BITSTRING [1]	
tm	BITSTRING [1]	
itc	BITSTRING [3]	
extb4	EXTB	
spb	SPB	
strc	BITSTRING [2]	
dplxm	BITSTRING [1]	
config	BITSTRING [1]	
nirr	BITSTRING [1]	
est	BITSTRING [1]	
extb5	EXTB	
accid	BITSTRING [2]	
ra	BITSTRING [2]	
sacp	BITSTRING [3]	
extb6	EXTB	
l1id	BITSTRING [2]	
uil1	BITSTRING [4]	
sb	BITSTRING [1]	
extb6a	EXTB	
nsb	BITSTRING [1]	
nb	BITSTRING [1]	
ndb	BITSTRING [1]	
ur	BITSTRING [4]	
extb6b	EXTB	
ir	BITSTRING [2]	
nictx	BITSTRING [1]	
nicrx	BITSTRING [1]	
pi	BITSTRING [3]	
extb6c	EXTB	
ce	BITSTRING [2]	
modemt	BITSTRING [5]	
extb7	EXTB	
l2id	BITSTRING [2]	
uil2	BITSTRING [5]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	BLOCKTYPE	
<b>Comments:</b>	Block type, GSM 04.12, 3.3.1	
Element Name	Type Definition	Comments
spare1	SPB	
lpd	BITSTRING[2]	
lb	BITSTRING[1]	
sequence_number	BITSTRING[4]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	CAU	
<b>Comments:</b>	Cause (CC information element) GSM 04.08, 10.5.4.11	
Element Name	Type Definition	Comments
iei	IEI_8	
iel	LENGTH	
extb3	EXTB	
cs	CS	
spb	SPB	
location	BITSTRING [4]	
extb3a	EXTB	
rec	BITSTRING [7]	
extb4	EXTB	
cau_class	BITSTRING [3]	
cau_va	BITSTRING [4]	
cau_di	OCTETSTRING [1..28]	
<b>Detailed Comments:</b>	&COMMON_U06	

Structured Type Definition		
<b>Type Name:</b>	CCCAP	
<b>Comments:</b>	Call Control Capabilities GSM 04.08, 10.5.4.5a	
Element Name	Type Definition	Comments
iei	IEI_8	
iel	LENGTH	
spr	BITSTRING [7]	
dtmf	BITSTRING [1]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	CCD	
<b>Comments:</b>	Control channel description GSM 04.08, 10.5.2.11	
Element Name	Type Definition	Comments
spr1	BITSTRING [1]	
att	BITSTRING [1]	
babr	BITSTRING [3]	
ccch_con	BITSTRING [3]	
spr2	BITSTRING [5]	
bpm	BITSTRING [3]	
t3212	OCTETSTRING [1]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	CCHD	
<b>Comments:</b>	Cell channel description GSM 04.08, 10.5.2.1	
Element Name	Type Definition	Comments
iei	IEI_8	
rfl	OCTETSTRING [16]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	CD	
<b>Comments:</b>	Cell description GSM 04.08, 10.5.2.2	
Element Name	Type Definition	Comments
bcch_arfcn_h	BITSTRING [2]	
ncc	NCC	
bcc	BCC	
bcch_arfcn_l	BITSTRING [8]	
<b>Detailed Comments:</b>	The info element is two octets long.	

Structured Type Definition		
<b>Type Name:</b>	CDPN	
<b>Comments:</b>	Called party BCD number (CC information element) GSM 04.08, 10.5.4.7	
Element Name	Type Definition	Comments
iei	IEI_8	
iel	LENGTH	
tonnpi	TON_NPI	
digits	BCDN	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	CDPS	
<b>Comments:</b>	Called party subaddress (CC information element) GSM 04.08, 10.5.4.8	
Element Name	Type Definition	Comments
iei	IEI_8	
iel	LENGTH	
subad	SUBAD	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	CGPN	
<b>Comments:</b>	Calling party BCD number (CC information element) GSM 04.08, 10.5.4.9	
Element Name	Type Definition	Comments
iei	IEI_8	
iel	LENGTH	
tonnpi	TON_NPI	
pis	PI_SI	
digits	BCDN	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	CGPS	
<b>Comments:</b>	Calling party subaddress (CC information element) GSM 04.08, 10.5.4.10	
Element Name	Type Definition	Comments
iei	IEI_8	
iel	LENGTH	
subad	SUBAD	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	CHD	
<b>Comments:</b>	Channel description GSM 04.08, 10.5.2.5	
Element Name	Type Definition	Comments
iei	IEI_8	
cht_schn	BITSTRING [5]	
tn	BITSTRING [3]	
tsc	BITSTRING [3]	
hch	BITSTRING [1]	
maio	BITSTRING [6]	
hsn	BITSTRING [6]	
spr	BITSTRING [2]	
arfcn	BITSTRING [10]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	CHMOD	
<b>Comments:</b>	Channel mode, channel mode2 GSM 04.08, 10.5.2.6, 10.5.2.7	
Element Name	Type Definition	Comments
iei	IEI_8	
mode	BITSTRING [8]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	CHNEED	
<b>Comments:</b>	Channels needed GSM 04.08, 10.5.2.8	
Element Name	Type Definition	Comments
ch2	CHANNEL	
ch1	CHANNEL	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	CNN	
<b>Comments:</b>	Connected number (CC information element) GSM 04.08, 10.5.4.13	
Element Name	Type Definition	Comments
iei	IEI_8	
iel	LENGTH	
tonnpi	TON_NPI	
pisi	PI_SI	
digits	BCDN	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	CNS	
<b>Comments:</b>	Connected subaddress (CC information element) GSM 04.08, 10.5.4.14	
Element Name	Type Definition	Comments
iei	IEI_8	
iel	LENGTH	
subad	SUBAD	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	CO	
<b>Comments:</b>	Cell options (BCCH / SACCH) GSM 04.08, 10.5.2.3	
Element Name	Type Definition	Comments
sprb	BITSTRING [1]	
pwr	BITSTRING [1]	
dtx	BITSTRING [2]	
rlt	BITSTRING [4]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	Component_T	
<b>Comments:</b>	Component for sending (downlink) GSM 04.80, 3.6	
Element Name	Type Definition	Comments
comp_part1	OCTETSTRING	
invokeld	OCTETSTRING [1]	
comp_part2	OCTETSTRING	
comp_part3	OCTETSTRING	
comp_part4	OCTETSTRING	
comp_part5	OCTETSTRING	
comp_part6	OCTETSTRING	
comp_part7	OCTETSTRING	
comp_part8	OCTETSTRING	
comp_part9	OCTETSTRING	
comp_part10	OCTETSTRING	
comp_part11	OCTETSTRING	
comp_part12	OCTETSTRING	
<b>Detailed Comments:</b> This component is defined for the use in the downlink (from the test system to the IUT) direction.		

Structured Type Definition		
<b>Type Name:</b>	CPDATA	
<b>Comments:</b>	CP-User data element GSM 04.11, 8.1.4.1	
Element Name	Type Definition	Comments
iei	IEI_8	
iel	LENGTH	
rpack	RPACK	
rpdata	RPDATA	
rperr	RPERR	
rpsmma	RPSMMA	
<b>Detailed Comments:</b> One of the 4 types of rpdu is contained in the CPDATA.		

Structured Type Definition		
<b>Type Name:</b>	CPHMS	
<b>Comments:</b>	Cipher mode setting GSM 04.08, 10.5.2.9	
Element Name	Type Definition	Comments
iei	IEI_4	
algid	BITSTRING [3]	
sc	BITSTRING [1]	
<b>Detailed Comments:</b>		



Structured Type Definition		
<b>Type Name:</b>	CPHKSN	
<b>Comments:</b>	Ciphering key sequence number GSM 04.08, 10.5.1.2	
Element Name	Type Definition	Comments
sprb	BITSTRING [1]	
ks	BITSTRING [3]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	CPH_RES	
<b>Comments:</b>	Cipher response GSM 04.08, 10.5.2.10	
Element Name	Type Definition	Comments
iei	IEI_4	
sprb	BITSTRING [3]	
cr	BITSTRING [1]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	CSP	
<b>Comments:</b>	Cell selection parameters GSM 04.08, 10.5.2.4	
Element Name	Type Definition	Comments
crh	BITSTRING [3]	
mtmc	BITSTRING [5]	
acs	BITSTRING [1]	
neci	BITSTRING [1]	
ram	BITSTRING [6]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	CST	
<b>Comments:</b>	Call status (CC information element) GSM 04.08, 10.5.4.6	
Element Name	Type Definition	Comments
cs	CS	
csv	BITSTRING [6]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	FIE	
<b>Comments:</b>	Facility information element GSM 04.80, 3.6	
Element Name	Type Definition	Comments
iei	IEI_8	
iel	LENGTH	
components_1	Components	
components_t	Component_T	
<b>Detailed Comments:</b> When sending normally only one component is sent, but when receiving any number of components can be received even though normally we are only interested in one component during the testing.		

Structured Type Definition		
<b>Type Name:</b>	FN	
<b>Comments:</b>	The time in reference to the frame numbering corresponding to the absolute frame number modulo 42432.	
Element Name	Type Definition	Comments
t1_	T1_	
t3	T3	
t2	T2	
<b>Detailed Comments:</b>	In STRT and RQR	

Structured Type Definition		
<b>Type Name:</b>	FRQCHS	
<b>Comments:</b>	Frequency channel sequence GSM 04.08, 10.5.2.12	
Element Name	Type Definition	Comments
iei	IEI_8	
larfcn	OCTETSTRING [1]	
incls	OCTETSTRING [8]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	FRQL	
<b>Comments:</b>	Frequency list, frequency short list GSM 04.08, 10.5.2.5, 10.5.2.6	
Element Name	Type Definition	Comments
iei	IEI_8	
iel	LENGTH	
fl	OCTETSTRING [2..130]	
<b>Detailed Comments:</b>	frequency short list has a fixed length of 10 octets and does not contain the length indicator.	

Structured Type Definition		
<b>Type Name:</b>	FRQPARA	
<b>Comments:</b>	Parameters for Description of basic physical channel in frequency domain.	
Element Name	Type Definition	Comments
hch	BITSTRING[1]	
maio	BITSTRING [6]	
hsn	BITSTRING [6]	
spr	BITSTRING [2]	
arfcn	BITSTRING [10]	
maclength	LENGTH	
mac_8n	BITSTRING [8]	
mac_7n	BITSTRING [8]	
mac_6n	BITSTRING [8]	
mac_5n	BITSTRING [8]	
mac_4n	BITSTRING [8]	
mac_3n	BITSTRING [8]	
mac_2n	BITSTRING [8]	
mac_1n	BITSTRING [8]	
flst	FRQL	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	HLCMP	
<b>Comments:</b>	High layer compatibility (CC information element) GSM 04.08, 10.5.4.16, ITU Q.931	
Element Name	Type Definition	Comments
iei	IEI_8	
iel	LENGTH	
extb3	EXTB	
cs	BITSTRING [2]	
in	BITSTRING [3]	
pmp	BITSTRING [2]	
extb4	EXTB	
hlci	BITSTRING [7]	
extb4a	EXTB	
ehlci	BITSTRING [7]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	IARESTOCT	
<b>Comments:</b>		
Element Name	Type Definition	Comments
iei	IEI_8	
iaroct1	OCTETSTRING[1..11]	
iaroct2	IARESTOCT2	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	IARESTOCT2	
<b>Comments:</b>		
Element Name	Type Definition	Comments
p	BITSTRING[2]	
frqparalen	BITSTRING[6]	
spbt1	BITSTRING[2]	
maio	BITSTRING[6]	
ma	BITSTRING[8]	
spbt2	OCTETSTRING[0..8]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	KPF (keypad facility)	
<b>Comments:</b>	keypad facility GSM 04.08 clause 10.5.4.17	
Element Name	Type Definition	Comments
iei	IEI_8	
extb	EXTB	
kpf_info	IA5String [1]	
<b>Detailed Comments:</b> Is extb needed?		

Structured Type Definition		
<b>Type Name:</b>	L1HD	
<b>Comments:</b>	Layer 1 Header	
Element Name	Type Definition	Comments
spr1	BITSTRING[3]	
mshwrlvl	BITSTRING[5]	
spr2	BITSTRING[1]	
ta	BITSTRING[7]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	LAI	
<b>Comments:</b>	Location area identification GSM 04.08, 10.5.1.3	
Element Name	Type Definition	Comments
iei	IEI_8	
mcc	OCTETSTRING [2]	
mnc	OCTETSTRING [1]	
lac	OCTETSTRING [2]	
<b>Detailed Comments:</b>		

<b>Structured Type Definition</b>		
<b>Type Name:</b>		LLCMP
<b>Comments:</b>		Low layer compatibility (CC information element) GSM 04.08, 10.5.4.18
Element Name	Type Definition	Comments
iei	IEI_8	
iel	LENGTH	
extb3	EXTB	
cs	BITSTRING [2]	
itc	BITSTRING [5]	
extb3a	EXTB	
negind	BITSTRING[1]	
spb3a	SP6B	
extb4	EXTB	
tm	BITSTRING [2]	
itr	BITSTRING [5]	
extb4a	EXTB	
strc	BITSTRING [3]	
config	BITSTRING [2]	
est	BITSTRING [2]	
extb4b	EXTB	
sym	BITSTRING [2]	
itrdo	BITSTRING [5]	
extb5	EXTB	
l1id	BITSTRING [2]	
uil1	BITSTRING [5]	
extb5a	EXTB	
sb	BITSTRING [1]	
neg	BITSTRING [1]	
ur	BITSTRING [5]	
extb5b1	EXTB	
ir	BITSTRING [2]	
nictx	BITSTRING [1]	
nicrx	BITSTRING [1]	
fctx	BITSTRING [1]	
fcrx	BITSTRING [1]	
spb5b1	SPB	
extb5b2	EXTB	
hdrb	BITSTRING[1]	
mfs	BITSTRING[1]	
mode	BITSTRING[1]	
llineg	BITSTRING[1]	
ass	BITSTRING[1]	
ibob	BITSTRING[1]	
spb5b2	SPB	
extb5c	EXTB	
nsb	BITSTRING [2]	
ndb	BITSTRING [2]	
pi	BITSTRING [3]	
extb5d	EXTB	
dplxm	BITSTRING [1]	
modemt	BITSTRING [6]	
extb6	EXTB	
l2id	BITSTRING [2]	
uil2	BITSTRING [5]	
extb6a	EXTB	
ol2pi	BITSTRING[7]	
extb7	EXTB	
l3id	BITSTRING [2]	
uil3	BITSTRING [5]	
extb7a	EXTB	
ol3pi	BITSTRING[7]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	LUT	
<b>Comments:</b>	Location updating type GSM 04.08, 10.5.3.5	
Element Name	Type Definition	Comments
foreq	BITSTRING [1]	
sprb	BITSTRING [1]	
lut	BITSTRING [2]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	MA	
<b>Comments:</b>	Mobile allocation GSM 04.08, 10.5.2.21	
Element Name	Type Definition	Comments
iei	IEI_8	
iel	LENGTH	
mac_8n	BITSTRING [8]	
mac_7n	BITSTRING [8]	
mac_6n	BITSTRING [8]	
mac_5n	BITSTRING [8]	
mac_4n	BITSTRING [8]	
mac_3n	BITSTRING [8]	
mac_2n	BITSTRING [8]	
mac_1n	BITSTRING [8]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	MI	
<b>Comments:</b>	Mobile identity GSM 04.08, 10.5.1.4	
Element Name	Type Definition	Comments
iei	IEI_8	
iel	LENGTH	
idigit_1	BITSTRING [4]	
oei	BITSTRING [1]	
toi	BITSTRING [3]	
idigits_other	OCTETSTRING [0..7]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	MSCLM1	
<b>Comments:</b>	mobile station classmark 1 GSM 04.08, 10.5.1.5	
Element Name	Type Definition	Comments
spr1	BITSTRING [1]	
rl	BITSTRING [2]	
spr2	BITSTRING [1]	
a5_1	BITSTRING [1]	
rfpc	BITSTRING [3]	
<b>Detailed Comments:</b> 2 octets long		

Structured Type Definition		
<b>Type Name:</b>	MSCLM2	
<b>Comments:</b>	mobile station classmark 2 GSM 04.08, 10.5.1.6	
Element Name	Type Definition	Comments
iel	LENGTH	
spr1	BITSTRING [1]	
rl	BITSTRING [2]	
spr2	BITSTRING [1]	
a5_1	BITSTRING [1]	
rfpc	BITSTRING [3]	
spr3	BITSTRING [1]	
psc	BITSTRING [1]	
sssi	BITSTRING [2]	
smc	BITSTRING [1]	
spr4	BITSTRING [2]	
fc	BITSTRING [1]	
cm3	BITSTRING [1]	
spr5	BITSTRING [5]	
a5_3	BITSTRING [1]	
a5_2	BITSTRING [1]	
<b>Detailed Comments:</b>	4 octets long	

Structured Type Definition		
<b>Type Name:</b>	MSCLM3	
<b>Comments:</b>	Mobile station classmark 3 GSM 04.08, 10.5.1.7	
Element Name	Type Definition	Comments
iei	IEI_8	
iel	LENGTH	
spr1	BITSTRING [4]	
a5_7	BITSTRING [1]	
a5_6	BITSTRING [1]	
a5_5	BITSTRING [1]	
a5_4	BITSTRING [1]	
spr2	OCTETSTRING [11]	
<b>Detailed Comments:</b>	The info element has 14 octets	

Structured Type Definition		
<b>Type Name:</b>	MSRR	
<b>Comments:</b>	measurement results GSM 04.08, 10.5.2.20	
Element Name	Type Definition	Comments
ba_used	BITSTRING [1]	
dtx_used	BITSTRING [1]	
rxlev_fsc	RXLEV	
spr1	BITSTRING [1]	
meas_valid	BITSTRING [1]	
rxlev_ssc	RXLEV	
spr2	BITSTRING [1]	
rxqual_fsc	BITSTRING [3]	
rxqual_ssc	BITSTRING [3]	
no_nc	BITSTRING [3]	
rxlev_nc1	RXLEV	
bcchfrq_nc1	BCCHFRQ	
bsic_nc1	BSIC	
rxlev_nc2	RXLEV	
bcchfrq_nc2	BCCHFRQ	
bsic_nc2	BSIC	
rxlev_nc3	RXLEV	
bcchfrq_nc3	BCCHFRQ	
bsic_nc3	BSIC	
rxlev_nc4	RXLEV	
bcchfrq_nc4	BCCHFRQ	
bsic_nc4	BSIC	
rxlev_nc5	RXLEV	
bcchfrq_nc5	BCCHFRQ	
bsic_nc5	BSIC	
rxlev_nc6	RXLEV	
bcchfrq_nc6	BCCHFRQ	
bsic_nc6	BSIC	
<b>Detailed Comments:</b>	The info element has a fixed length of 16 octets.	

Structured Type Definition		
<b>Type Name:</b>	MTDIF	
<b>Comments:</b>	Mobile time difference GSM 04.08, 10.5.1.21a	
Element Name	Type Definition	Comments
iei	IEI_8	
iel	LENGTH	
value	OCTETSTRING [3]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	NCD	
<b>Comments:</b>	Neighbour cells description GSM 04.08, 10.5.2.22	
Element Name	Type Definition	Comments
rfl2	BITSTRING [2]	
extind	BITSTRING [1]	
baind	BITSTRING [1]	
rfl4	BITSTRING [4]	
rfl	OCTETSTRING [15]	
<b>Detailed Comments:</b>		



Structured Type Definition		
<b>Type Name:</b>	PCMD	
<b>Comments:</b>	Power command and access type GSM 04.08, 10.5.2.28, 10.5.2.28a	
Element Name	Type Definition	Comments
sprb	BITSTRING [3]	
pl	BITSTRING [5]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	PI	
<b>Comments:</b>	Progress indicator GSM 04.08, 10.5.4.21	
Element Name	Type Definition	Comments
iei	IEI_8	
iel	LENGTH	
extb3	EXTB	
cs	BITSTRING [2]	
spb	SPB	
loc	BITSTRING [4]	
extb4	EXTB	
prd	BITSTRING [7]	
<b>Detailed Comments:</b> total 4 octets		

Structured Type Definition		
<b>Type Name:</b>	PI_SI	
<b>Comments:</b>	Presentation indicator & screening indicator GSM 04.08, 10.5.4.9, 10.5.4.13	
Element Name	Type Definition	Comments
extb	EXTB	
pi	BITSTRING [2]	
sp3b	SP3B	
si	BITSTRING [2]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	PM	
<b>Comments:</b>	Page mode GSM 04.08, 10.5.2.26	
Element Name	Type Definition	Comments
sprb	BITSTRING [2]	
pgrn	BITSTRING [2]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	RACHCP	
<b>Comments:</b>	Rach control parameters GSM 04.08, 10.5.2.29	
Element Name	Type Definition	Comments
maxrtx	BITSTRING [2]	
txint	BITSTRING [4]	
cba	BITSTRING [1]	
re	BITSTRING [1]	
acc_2	BITSTRING [5]	
ec	BITSTRING [1]	
acc_1	BITSTRING [10]	
<b>Detailed Comments:</b>	The info element has a fixed length of 3 octets.	

Structured Type Definition		
<b>Type Name:</b>	RPACK	
<b>Comments:</b>	SMS RP ACKNOWLEDGEMENT ms <-> n GSM 04.11, 7.3.3	
Element Name	Type Definition	Comments
sprb	SP5B	
rpmti	MTI	
rpmr	MR	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	RPCAU	
<b>Comments:</b>	RP user data element GSM 04.11, 8.2.5.4	
Element Name	Type Definition	Comments
iei	IEI_8	
iel	LENGTH	
extb2	EXTB	
rpcau_class	BITSTRING [3]	
rpcau_va	BITSTRING [4]	
rpcau_di	OCTETSTRING [1]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	RPDATA	
<b>Comments:</b>	SMS RP DATA ms <-> n GSM 04.11, 7.3.1	
Element Name	Type Definition	Comments
sprb	SP5B	
rpmti	MTI	
rpmr	MR	
rpOaddr	CDPN	
rpDaddr	CDPN	
rpusrdat	RPUSRDAT	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	RPERR	
<b>Comments:</b>	SMS RP ERROR ms <-> n GSM 04.11, 7.3.4	
Element Name	Type Definition	Comments
sprb	SP5B	
rpmti	MTI	
rpmr	MR	
rpcau	RPCAU	
rpusrdat	RPUSRDAT	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	RPSMMA	
<b>Comments:</b>	SMS RP SMMA ms -> n GSM 04.11, 7.3.2	
Element Name	Type Definition	Comments
sprb	SP5B	
rpmti	MTI	
rpmr	MR	
<b>Detailed Comments:</b> SM memory available		

Structured Type Definition		
<b>Type Name:</b>	RPUSRDAT	
<b>Comments:</b>	RP user data element GSM 04.11, 8.2.5.3, GSM 03.40, 9.2.2	
Element Name	Type Definition	Comments
iei	IEI_8	
iel	LENGTH	
tpdeliver	SMDLVR	
tpsubmit	SMSBMT	
tpstatus_rpt	SMST_RPT	
tpcommand	SMCMD	
tpdlvr_sbmt_rpt	SMDLVR_RPT	
<b>Detailed Comments:</b> One of the six tpdu is contained in the RPUSRDATA. Since the structures of the messages SMS-Deliver-Report and SMS-Submit-Report are identical, they have been combined to tpdlvr_sbmt_rpt and therefore only five tp message types exist in this type definition.		

Structured Type Definition		
<b>Type Name:</b>	RQR	
<b>Comments:</b>	Request reference GSM 04.08, 10.5.2.30	
Element Name	Type Definition	Comments
ra	BITSTRING [8]	
fn	FN	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	SIGNAL	
<b>Comments:</b>	Signal (CC information element) GSM 04.08, 10.5.4.23	
Element Name	Type Definition	Comments
iei	IEI_8	
sigv	BITSTRING [8]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	SERIAL_NUMBER	
<b>Comments:</b>	Serial number for SMSCB, GSM 3.41, 9.3.2	
Element Name	Type Definition	Comments
gs	BITSTRING[2]	
message_code	BITSTRING[10]	
update_number	BITSTRING[4]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	SMCMD	
<b>Comments:</b>	SMS COMMAND, ms - > n. GSM 03.40, 9.2.2.4	
Element Name	Type Definition	Comments
sprb1	SP2B	
srr	BITSTRING[1]	
sprb2	SP3B	
mti	BITSTRING [2]	
mr	MR	
pid	TPPID	
ct	OCTETSTRING [1]	
mn	OCTETSTRING [1]	
da	TPA	
cdl	LENGTH	
cd	TPCD	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	SMDLVR	
<b>Comments:</b>	SMS DELIVER, n - > ms. GSM 03.40, 9.2.2.1	
Element Name	Type Definition	Comments
rp	BITSTRING [1]	
udhi	BITSTRING [1]	
sri	BITSTRING [1]	
sprb2	SP2B	
mms	BITSTRING [1]	
mti	BITSTRING [2]	
oa	TPA	
pid	TPPID	
dcs	TPDCS	
scts	TPSCTS	
udl	LENGTH	
ud	TPUD	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	SMDLVR_RPT	
<b>Comments:</b>	SMS DELIVER or SUBMIT REPORT contained in the RP ERROR PDU, n <-> ms. GSM 03.40, 9.2.2.1a, 9.2.2.2a.	
Element Name	Type Definition	Comments
sprb1	SP6B	
mti	BITSTRING [2]	
fcs	FCS	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	SMSBMT	
<b>Comments:</b>	SMS SUBMIT, ms -> n. GSM 03.40, 9.2.2.2	
Element Name	Type Definition	Comments
rp	BITSTRING [1]	
udhi	BITSTRING [1]	
srr	BITSTRING [1]	
vpf	BITSTRING [2]	
rd	BITSTRING [1]	
mti	BITSTRING [2]	
mr	MR	
da	TPA	
pid	TPPID	
dcs	TPDCS	
vp1	OCTETSTRING [1]	
vp7	TPSCTS	
udl	LENGTH	
ud	TPUD	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	SMST_RPT	
<b>Comments:</b>	SMS STATUS REPORT, n -> ms. GSM 03.40, 9.2.2.3	
Element Name	Type Definition	Comments
sprb1	SP5B	
mms	BITSTRING [1]	
mti	BITSTRING [2]	
mr	MR	
ra	TPA	
scts	TPSCTS	
dt	TPSCTS	
st	TPST	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	SSVI	
<b>Comments:</b>	SS version indicator GSM 04.08, 10.5.4.24	
Element Name	Type Definition	Comments
iei	IEI_8	
iel	LENGTH	
ssv	OCTETSTRING [1]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	STRT	
<b>Comments:</b>	Starting time GSM 04.08, 10.5.2.38	
Element Name	Type Definition	Comments
iei	IEI_8	
fn	FN	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	SUBAD	
<b>Comments:</b>	Subaddress GSM 04.08, 10.5.4.8, 10.5.4.10, 10.5.4.14	
Element Name	Type Definition	Comments
extb	EXTB	
tos	BITSTRING [3]	
oei	BITSTRING [1]	
sp3b	SP3B	
si	OCTETSTRING [2..23]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	SYNCHI	
<b>Comments:</b>	Synchronization indication GSM 04.08, 10.5.2.39	
Element Name	Type Definition	Comments
iei	IEI_4	
nci	BITSTRING [1]	
rot	BITSTRING [1]	
si	BITSTRING [2]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	TA	
<b>Comments:</b>	Timing advance GSM 04.08, 10.5.2.40	
Element Name	Type Definition	Comments
iei	IEI_8	
sprb	BITSTRING [2]	
value	BITSTRING [6]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	TDIF	
<b>Comments:</b>	Time difference GSM 04.08, 10.5.1.41	
Element Name	Type Definition	Comments
iei	IEI_8	
iel	LENGTH	
value	OCTETSTRING [1]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	TI	
<b>Comments:</b>	Transaction identifier GSM 04.08, 10.1	
Element Name	Type Definition	Comments
ti_f	BITSTRING [1]	
ti_v	TI_V	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	TMSI	
<b>Comments:</b>	Temporary GSM 04.08, 10.5.2.42	
Element Name	Type Definition	Comments
iei	IEI_8	
tmsi_val	OCTETSTRING [4]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	TON_NPI	
<b>Comments:</b>	Type of number and numbering plan GSM 04.08, 10.5.4.7, 10.5.4.9, 10.5.4.13, GSM 03.40, 9.1.2.5	
Element Name	Type Definition	Comments
extb	EXTB	
ton	BITSTRING [3]	
npi	BITSTRING [4]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	TPA	
<b>Comments:</b>	TP address GSM 03.40, 9.1.2.5	
Element Name	Type Definition	Comments
iel	LENGTH	
tonnpi	TON_NPI	
digits	BCDN	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	TPDCS	
<b>Comments:</b>	SMS data coding scheme GSM 03.38, 4, 5	
Element Name	Type Definition	Comments
cg	BITSTRING [4]	
code	BITSTRING [4]	
<b>Detailed Comments:</b> Identifying the coding scheme within the TP user data.		

Structured Type Definition		
<b>Type Name:</b>	TPPID	
<b>Comments:</b>	TP protocol identifier GSM 03.40, 9.2.3.9	
Element Name	Type Definition	Comments
type	BITSTRING [2]	
value	BITSTRING [6]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	TPST	
<b>Comments:</b>	TP status GSM 03.40, 9.2.3.15	
Element Name	Type Definition	Comments
sprb1 value	SPB BITSTRING [7]	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	UNKWN	
<b>Comments:</b>	unknown IE	
Element Name	Type Definition	Comments
iei iel contents	IEI_8 LENGTH OCTETSTRING	
<b>Detailed Comments:</b>		

Structured Type Definition		
<b>Type Name:</b>	UU	
<b>Comments:</b>	User-user GSM 04.08, 10.5.4.25	
Element Name	Type Definition	Comments
iei iel uupd uui	IEI_8 LENGTH BITSTRING [8] OCTETSTRING [1..128]	
<b>Detailed Comments:</b>	In SETUP, ALERTING, CONNECT, DISCONNECT, RELEASE and RELEASE COMPLETE messages the uui length is of 0 - 32 bytes. In USER INFORMATION messages the uui length is of 1 - 128.	

### ASN1 type definitions

ASN.1 Type Definition	
<b>Type Name:</b>	Component
<b>Comments:</b>	ASN1_Encoding: BER
Type Definition	
CHOICE {	
registerSSComponents	RegisterSS_Components,
eraseSSComponents	EraseSS_Components,
activateSSComponents	ActivateSS_Components,
deactivateSSComponents	DeactivateSS_Components,
interrogateSSComponents	InterrogateSS_Components,
notifySSComponents	NotifySS_Components,
registerPasswordComponents	RegisterPassword_Components,
getPasswordComponents	GetPassword_Components,
processUnstructuredSSDataComponents	ProcessUnstructuredSSData_Components,
forwardCheckSSIndicationComponents	ForwardCheckSSIndication_Components,
processUnstructuredSSRequestComponents	ProcessUnstructuredSSRequest_Components,
unstructuredSSRequestComponents	UnstructuredSSRequest_Components,
unstructuredSSNotifyComponents	UnstructuredSSNotify_Components,
forwardCUGInfoComponents	ForwardCUGInfo_Components,
splitMPTYComponents	SplitMPTY_Components,
retrieveMPTYComponents	RetrieveMPTY_Components,
holdMPTYComponents	HoldMPTY_Components,
buildMPTYComponents	BuildMPTY_Components,
forwardChargeAdviceComponents	ForwardChargeAdvice_Components,
generalComponents	General_Components
	}
<b>Detailed Comments:</b>	Plural components as each type represents invoke, return result, return error etc.



<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	Components
<b>Comments:</b>	GSM 04.80, 3.6
<b>Type Definition</b>	
SET OF Component	
<b>Detailed Comments:</b>	ASN.1 transfer encoding rules: BER is not wholly used for the type Components. The contents of Components, without the octets encoding the tag and the length of SET OF, is carried as the Components value.

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	ActivateSS_Components
<b>Comments:</b>	GSM 09.02, 14.5, 14.6.4, 14.6.6, 14.7.4, 14.7.7
<b>Type Definition</b>	
CHOICE {	
activateSS_InvokeComp	[1] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
localValue	INTEGER (12),
ss_ForBS	SS_ForBS_Code },
activateSS_ReturnResultComp	[2] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
result	SEQUENCE {
localValue	INTEGER (12),
ss_Info	SS_Info } },
activateSS_ReturnErrorComp	CHOICE {
errorCodes	[3] IMPLICIT SEQUENCE { invokeID InvokeIDType,
	errorCode ErrorLocalValues ( bearerServiceNotProvisioned
	teleserviceNotProvisioned
	illegalSS_Operation
	dataMissing
	unexpectedDataValue
	negativePW_Check
	numberOfPW_AttemptsViolation) },
callBarredErr	[3] IMPLICIT SEQUENCE { invokeID InvokeIDType,
	errorCode ErrorLocalValues ( callBarred ),
	parameter CallBarringCause },
ss_ErrorStatusErr	[3] IMPLICIT SEQUENCE { invokeID InvokeIDType,
	errorCode ErrorLocalValues ( ss_ErrorStatus ),
	parameter SS_Status },
ss_SubscriptionViolationsErr	[3] IMPLICIT SEQUENCE { invokeID InvokeIDType,
	errorCode ErrorLocalValues (ss_SubscriptionViolation),
	parameter SS_SubscriptionOption },
ss_IncompatibilityErr	[3] IMPLICIT SEQUENCE { invokeID InvokeIDType,
	errorCode ErrorLocalValues ( ss_Incompatibility ),
	parameter SS_IncompatibilityCause },
systemFailureErr	[3] IMPLICIT SEQUENCE { invokeID InvokeIDType,
	errorCode ErrorLocalValues ( systemFailure ),
	parameter NetworkResource } },
activateSS_RejectComp	[4] IMPLICIT RejectComponent }
<b>Detailed Comments:</b>	Timer m (15 - 30 s)

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	BuildMPTY_Components
<b>Comments:</b>	GSM 04.80, 4.2
<b>Type Definition</b>	
CHOICE {	
buildMPTY_InvokeComp	[1] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
localValue	INTEGER (124) },
buildMPTY_ReturnResultComp	[2] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
result	SEQUENCE {
localValue	INTEGER (124) } },
buildMPTY_ReturnErrorComp	CHOICE {
errorCodes	[3] IMPLICIT SEQUENCE { invokeID
	InvokeIDType,
	errorCode
	ErrorLocalValues ( illegalSS_Operation
	ss_NotAvailable
	maxNumberOfMPTY_ParticipantsExceeded
	resourcesNotAvailable ) },
ss_ErrorStatusErr	[3] IMPLICIT SEQUENCE { invokeID
	InvokeIDType,
	errorCode
	ErrorLocalValues ( ss_ErrorStatus ),
	parameter
	SS_Status },
ss_IncompatibilityErr	[3] IMPLICIT SEQUENCE { invokeID
	InvokeIDType,
	errorCode
	ErrorLocalValues ( ss_Incompatibility ),
	parameter
	SS_IncompatibilityCause },
systemFailureErr	[3] IMPLICIT SEQUENCE { invokeID
	InvokeIDType,
	errorCode
	ErrorLocalValues ( systemFailure ),
	parameter
	NetworkResource } },
buildMPTY_RejectComp	[4] IMPLICIT RejectComponent }
<b>Detailed Comments:</b>	Timer T_buildMPTY (5 - 30 s)

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	DeactivateSS_Components
<b>Comments:</b>	GSM 09.02, 14.5, 14.6.4, 14.6.6, 14.7.4, 14.7.7
<b>Type Definition</b>	
CHOICE {	
deactivateSS_InvokeComp	[1] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
localValue	INTEGER (13),
ss_ForBS	SS_ForBS_Code },
deactivateSS_ReturnResultComp	[2] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
result	SEQUENCE {
localValue	INTEGER (13),
ss_Info	SS_Info } },
deactivateSS_ReturnErrorComp	CHOICE {
errorCodes	[3] IMPLICIT SEQUENCE { invokeID InvokeIDType,
	errorCode ErrorLocalValues ( bearerServiceNotProvisioned
	teleserviceNotProvisioned
	illegalSS_Operation
	dataMissing
	unexpectedDataValue
	negativePW_Check
	numberOfPW_AttemptsViolation) },
callBarredErr	[3] IMPLICIT SEQUENCE { invokeID InvokeIDType,
	errorCode ErrorLocalValues ( callBarred ),
	parameter CallBarringCause },
ss_ErrorStatusErr	[3] IMPLICIT SEQUENCE { invokeID InvokeIDType,
	errorCode ErrorLocalValues ( ss_ErrorStatus ),
	parameter SS_Status },
ss_SubscriptionViolationsErr	[3] IMPLICIT SEQUENCE { invokeID InvokeIDType,
	errorCode ErrorLocalValues (ss_SubscriptionViolation),
	parameter SS_SubscriptionOption },
systemFailureErr	[3] IMPLICIT SEQUENCE { invokeID InvokeIDType,
	errorCode ErrorLocalValues ( systemFailure ),
	parameter NetworkResource } },
deactivateSS_RejectComp	[4] IMPLICIT RejectComponent }
<b>Detailed Comments:</b>	Timer m

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	EraseSS_Components
<b>Comments:</b>	GSM 09.02, 14.5, 14.6.4, 14.6.6, 14.7.4, 14.7.7
<b>Type Definition</b>	
CHOICE {	
eraseSS_InvokeComp	[1] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
localValue	INTEGER (11),
ss_ForBS	SS_ForBS_Code },
eraseSS_ReturnResultComp	[2] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
result	SEQUENCE {
localValue	INTEGER (11),
ss_Info	SS_Info } },
eraseSS_ReturnErrorComp	CHOICE {
errorCodes	[3] IMPLICIT SEQUENCE { invokeID InvokeIDType,
errorCode	ErrorLocalValues ( bearerServiceNotProvisioned
	teleserviceNotProvisioned
	illegalSS_Operation
	dataMissing
	unexpectedDataValue ) },
callBarredErr	[3] IMPLICIT SEQUENCE { invokeID InvokeIDType,
errorCode	ErrorLocalValues ( callBarred ),
parameter	CallBarringCause },
ss_ErrorStatusErr	[3] IMPLICIT SEQUENCE { invokeID InvokeIDType,
errorCode	ErrorLocalValues ( ss_ErrorStatus ),
parameter	SS_Status },
systemFailureErr	[3] IMPLICIT SEQUENCE { invokeID InvokeIDType,
errorCode	ErrorLocalValues ( systemFailure ),
parameter	NetworkResource } },
eraseSS_RejectComp	[4] IMPLICIT RejectComponent }
<b>Detailed Comments:</b>	Timer m

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	ForwardChargeAdvice_Components
<b>Comments:</b>	GSM 04.80, 4.2
<b>Type Definition</b>	
CHOICE {	
forwardChargeAdvice_InvokeComp	[1] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
localValue	INTEGER (125),
forwardChargeAdviceArg	SEQUENCE {
ss_Code	[0] SS_Code,
chargingInformation	[1] SEQUENCE{
e1	[1] INTEGER (0..max10TimesUnitsPerTime) OPTIONAL,
e2	[2] INTEGER (0..max10TimesTimeInterval) OPTIONAL,
e3	[3] INTEGER (0..max100TimesScalingFactor) OPTIONAL,
e4	[4] INTEGER (0..max10TimesIncrement) OPTIONAL,
e5	[5] INTEGER (0..max10TimesIncrementPerDataInterval) OPTIONAL,
e6	[6] INTEGER (0..maxNumberOfSegmentsPerDataInterval) OPTIONAL,
e7	[7] INTEGER (0..max10TimesInitialTime) OPTIONAL } } },
forwardChargeAdvice_ReturnResultComp	[2] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
result	SEQUENCE {
localValue	INTEGER (125) } },
forwardChargeAdvice_RejectComp	[4] IMPLICIT RejectComponent }
<b>Detailed Comments:</b>	Timer T_aoc = 1 - 40 s

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	ForwardCheckSSIndication_Components
<b>Comments:</b>	GSM 09.02, 14.5, 14.6.4, 14.6.6, 14.7.4, 14.7.7
<b>Type Definition</b>	
CHOICE {	
forwardCheckSSIndication_InvokeComp	[1] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
localValue	INTEGER (38) },
forwardCheckSSIndication_RejectComp	[4] IMPLICIT RejectComponent }
<b>Detailed Comments:</b>	

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	ForwardCUGInfo_Components
<b>Comments:</b>	GSM 04.80, 4.2
<b>Type Definition</b>	
CHOICE {	
forwardCUGInfo_InvokeComp	[1] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
localValue	INTEGER (120),
forwardCUGInfo_Arg	SEQUENCE{
cug_Index	[0] IMPLICIT CUG_Index OPTIONAL,
suppressPrefCUG	[1] IMPLICIT NULL OPTIONAL,
suppressOA	[2] IMPLICIT NULL OPTIONAL } },
forwardCUGInfo_RejectComp	[4] IMPLICIT RejectComponent }
<b>Detailed Comments:</b>	

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	General_Components
<b>Comments:</b>	Non specified components must match this type definition.
<b>Type Definition</b>	
CHOICE {	
general_InvokeComp	[1] IMPLICIT General_InvokeComponent,
general_ReturnResultComp	[2] IMPLICIT General_ReturnResultComponent,
general_ReturnErrorComp	[3] IMPLICIT General_ReturnErrorComponent,
general_RejectComp	[4] IMPLICIT RejectComponent }
-- This is the General InvokeComponent --	
General_InvokeComponent ::= SEQUENCE {	
invokeID	InvokeIDType,
linked_ID	[0] IMPLICIT InvokeIDType OPTIONAL,
operation_value	Operation,
argument	ANY OPTIONAL }
-- This is the General ReturnResultComponent --	
General_ReturnResultComponent ::= SEQUENCE {	
invokeID	InvokeIDType,
valueAndResult	SEQUENCE {
operation_value	Operation,
result	ANY } OPTIONAL }
-- This is the General ReturnErrorComponent --	
General_ReturnErrorComponent ::= SEQUENCE {	
invokeID	InvokeIDType,
error	ANY }
<b>Detailed Comments:</b>	

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	GetPassword_Components
<b>Comments:</b>	GSM 09.02, 14.5, 14.6.4, 14.6.6, 14.7.4, 14.7.7
<b>Type Definition</b>	
CHOICE {	
getPassword_InvokeComp	[1] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
linkedID	[0] IMPLICIT InvokeIDType,
localValue	INTEGER (18),
guidanceInfo	ENUMERATED {
	enterPW (0),
	enterNewPW (1),
	enterNewPW_Again (2) } },
getPassword_ReturnResultComp	[2] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
result	SEQUENCE {
localValue	INTEGER (18),
currentPassword	Password }     },
getPassword_RejectComp	[4] IMPLICIT RejectComponent     }
<b>Detailed Comments:</b>	Timer m

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	HoldMPTY_Components
<b>Comments:</b>	GSM 04.80, 4.2
<b>Type Definition</b>	
CHOICE {	
holdMPTY_InvokeComp	[1] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
localValue	INTEGER (123) },
holdMPTY_ReturnResultComp	[2] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
result	SEQUENCE {
localValue	INTEGER (123) }     },
holdMPTY_ReturnErrorComp	CHOICE {
errorCodes	[3] IMPLICIT SEQUENCE { invokeID     InvokeIDType,
	errorCode     ErrorLocalValues ( illegalSS_Operation
	facilityNotSupported ) },
ss_ErrorStatusErr	[3] IMPLICIT SEQUENCE { invokeID     InvokeIDType,
	errorCode     ErrorLocalValues ( ss_ErrorStatus ),
	parameter     SS_Status },
ss_IncompatibilityErr	[3] IMPLICIT SEQUENCE { invokeID     InvokeIDType,
	errorCode     ErrorLocalValues ( ss_Incompatibility ),
	parameter     SS_IncompatibilityCause },
systemFailureErr	[3] IMPLICIT SEQUENCE { invokeID     InvokeIDType,
	errorCode     ErrorLocalValues ( systemFailure ),
	parameter     NetworkResource } },
holdMPTY_RejectComp	[4] IMPLICIT RejectComponent     }
<b>Detailed Comments:</b>	Timer T_holdMPTY (5 - 30 s)

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	InterrogateSS_Components
<b>Comments:</b>	GSM 09.02, 14.5, 14.6.4, 14.6.6, 14.7.4, 14.7.7
<b>Type Definition</b>	
<pre> CHOICE {   interrogateSS_InvokeComp      [1] IMPLICIT SEQUENCE {     invokeID                    InvokeIDType,     localValue                  INTEGER (14),     ss_ForBS                    SS_ForBS_Code },    interrogateSS_ReturnResultComp [2] IMPLICIT SEQUENCE {     invokeID                    InvokeIDType,     result                      SEQUENCE {       localValue                INTEGER (14),       interrogateSS_Res         CHOICE {         ss_Status               [0] IMPLICIT SS_Status,         basicServiceGroupList  [2] IMPLICIT BasicServiceGroupList,         forwardingFeatureList  [3] IMPLICIT ForwardingFeatureList,         cli_RestrictionInfo     [4] IMPLICIT SEQUENCE {           ss_Status             SS_Status,           cliRestrictionOption  CliRestrictionOption OPTIONAL } } },    interrogateSS_ReturnErrorComp CHOICE {     errorCodes                  [3] IMPLICIT SEQUENCE { invokeID    InvokeIDType,  errorCode  ErrorLocalValues ( bearerServiceNotProvisioned  teleserviceNotProvisioned  illegalSS_Operation  ss_NotAvailable  dataMissing  unexpectedDataValue) },      callBarredErr              [3] IMPLICIT SEQUENCE { invokeID    InvokeIDType,  errorCode  ErrorLocalValues ( callBarred ),  parameter  CallBarringCause },      systemFailureErr           [3] IMPLICIT SEQUENCE { invokeID    InvokeIDType,  errorCode  ErrorLocalValues ( systemFailure ),  parameter  NetworkResource } },    interrogateSS_RejectComp     [4] IMPLICIT RejectComponent } </pre>	
<b>Detailed Comments:</b>	Timer m

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	NotifySS_Components
<b>Comments:</b>	GSM 04.80, 4.2
<b>Type Definition</b>	
<pre> CHOICE {   notifySS_InvokeComp      [1] IMPLICIT SEQUENCE {     invokeID                    InvokeIDType,     localValue                  INTEGER (16),     notifySS_Arg               SEQUENCE{       ss_Code                   [1] IMPLICIT SS_Code           OPTIONAL,       ss_Status                 [4] IMPLICIT SS_Status         OPTIONAL,       ss_Notification           [5] IMPLICIT OCTET STRING (SIZE (1)) OPTIONAL,       callIsWaiting_Indicator   [14] IMPLICIT NULL              OPTIONAL,       callOnHold_Indicator      [15] IMPLICIT ENUMERATED {         callRetrieved (0),         callOnHold (1) }    OPTIONAL,       mpty_Indicator            [16] IMPLICIT NULL              OPTIONAL,       cug_Index                 [17] IMPLICIT CUG_Index         OPTIONAL,       clrSuppressionRejected    [18] IMPLICIT NULL              OPTIONAL } },    notifySS_RejectComp     [4] IMPLICIT RejectComponent } </pre>	
<b>Detailed Comments:</b>	

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	ProcessUnstructuredSSData_Components
<b>Comments:</b>	GSM 09.02, 14.5, 14.6.4, 14.6.6, 14.7.4, 14.7.7
<b>Type Definition</b>	
CHOICE {	
processUnstructuredSSData_InvokeComp	[1] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
localValue	INTEGER (19),
ss_UserData	SS_UserData },
processUnstructuredSSData_ReturnResultComp	[2] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
result	SEQUENCE {
localValue	INTEGER (19),
ss_UserData	SS_UserData } },
processUnstructuredSSData_ReturnErrorComp	CHOICE {
errorCodes	[3] IMPLICIT SEQUENCE { invokeID InvokeIDType,
	errorCode ErrorLocalValues (unexpectedDataValue) },
systemFailureErr	[3] IMPLICIT SEQUENCE { invokeID InvokeIDType,
	errorCode ErrorLocalValues ( systemFailure ),
	parameter NetworkResource } },
processUnstructuredSSData_RejectComp	[4] IMPLICIT RejectComponent }
<b>Detailed Comments:</b>	Timer m

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	ProcessUnstructuredSSRequest_Components
<b>Comments:</b>	GSM 09.02, 14.5, 14.6.4, 14.6.6, 14.7.4, 14.7.7
<b>Type Definition</b>	
CHOICE {	
processUnstructuredSSRequest_InvokeComp	[1] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
localValue	INTEGER (59),
ussd_Arg	USSD_Arg },
processUnstructuredSSRequest_ReturnResultComp	[2] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
result	SEQUENCE {
localValue	INTEGER (59),
ussd_Res	USSD_Res} },
processUnstructuredSSRequest_ReturnErrorComp	CHOICE {
errorCodes	[3] IMPLICIT SEQUENCE { invokeID InvokeIDType,
	errorCode ErrorLocalValues (dataMissing
	unexpectedDataValue
	unknownAlphabet) },
callBarredErr	[3] IMPLICIT SEQUENCE { invokeID InvokeIDType,
	errorCode ErrorLocalValues ( callBarred ),
	parameter CallBarringCause },
systemFailureErr	[3] IMPLICIT SEQUENCE { invokeID InvokeIDType,
	errorCode ErrorLocalValues ( systemFailure ),
	parameter NetworkResource } },
processUnstructuredSSRequest_RejectComp	[4] IMPLICIT RejectComponent }
<b>Detailed Comments:</b>	Timer m



<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	RegisterPassword_Components
<b>Comments:</b>	GSM 09.02, 14.5, 14.6.4, 14.6.6, 14.7.4, 14.7.7
<b>Type Definition</b>	
CHOICE {	
registerPassword_InvokeComp	[1] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
localValue	INTEGER (17),
ss_Code	SS_Code },
registerPassword_ReturnResultComp	[2] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
result	SEQUENCE {
localValue	INTEGER (17),
newPassword	Password } },
registerPassword_ReturnErrorComp	CHOICE {
errorCodes	[3] IMPLICIT SEQUENCE { invokeID InvokeIDType,
	errorCode ErrorLocalValues ( dataMissing
	unexpectedDataValue
	negativePW_Check
	numberOfPW_AttemptsViolation) },
callBarredErr	[3] IMPLICIT SEQUENCE { invokeID InvokeIDType,
	errorCode ErrorLocalValues ( callBarred ),
	parameter CallBarringCause },
ss_SubscriptionViolationErr	[3] IMPLICIT SEQUENCE { invokeID InvokeIDType,
	errorCode ErrorLocalValues (ss_SubscriptionViolation),
	parameter SS_SubscriptionOption },
systemFailureErr	[3] IMPLICIT SEQUENCE { invokeID InvokeIDType,
	errorCode ErrorLocalValues ( systemFailure ),
	parameter NetworkResource},
pw_RegistrationFailureErr	[3] IMPLICIT SEQUENCE { invokeID InvokeIDType,
	errorCode ErrorLocalValues ( pw_RegistrationFailure ),
	parameter PW_RegistrationFailureCause } },
registerPassword_RejectComp	[4] IMPLICIT RejectComponent }
<b>Detailed Comments:</b>	Timer m

ASN.1 Type Definition	
<b>Type Name:</b>	RegisterSS_Components
<b>Comments:</b>	GSM 09.02, 14.5, 14.6.4, 14.6.6, 14.7.4, 14.7.7
Type Definition	
<pre> CHOICE {   registerSS_InvokeComp      [1] IMPLICIT SEQUENCE {     invokeID                 InvokeIDType,     localValue               INTEGER (10),     registerSS_Arg           SEQUENCE{       ss_Code                SS_Code,       basicService           BasicServiceCode OPTIONAL,       forwardedToNumber      [4] IMPLICIT AddressString OPTIONAL,       forwardedToSubaddress  [6] IMPLICIT ISDN_SubaddressString OPTIONAL,       noReplyConditionTime   [5] IMPLICIT NoReplyConditionTime OPTIONAL } },    registerSS_ReturnResultComp [2] IMPLICIT SEQUENCE {     invokeID                 InvokeIDType,     result                   SEQUENCE {       localValue             INTEGER (10),       ss_Info                SS_Info } },    registerSS_ReturnErrorComp CHOICE {     errorCodes               [3] IMPLICIT SEQUENCE { invokeID InvokeIDType,       errorCode              ErrorLocalValues ( bearerServiceNotProvisioned           teleserviceNotProvisioned           illegalSS_Operation           dataMissing           unexpectedDataValue ) },      callBarredErr            [3] IMPLICIT SEQUENCE { invokeID InvokeIDType,       errorCode              ErrorLocalValues ( callBarred ),       parameter              CallBarringCause },      ss_IncompatibilityErr    [3] IMPLICIT SEQUENCE { invokeID InvokeIDType,       errorCode              ErrorLocalValues ( ss_Incompatibility ),       parameter              SS_IncompatibilityCause },      systemFailureErr         [3] IMPLICIT SEQUENCE { invokeID InvokeIDType,       errorCode              ErrorLocalValues ( systemFailure ),       parameter              NetworkResource } },    registerSS_RejectComp     [4] IMPLICIT RejectComponent } </pre>	
<b>Detailed Comments:</b>	Timer m

ASN.1 Type Definition	
<b>Type Name:</b>	RejectComponent
<b>Comments:</b>	ITU-T Q.767
Type Definition	
<pre> SEQUENCE {   invokedID CHOICE {     derivable                InvokeIDType,     notDerivable            NULL },   problem                   CHOICE {     generalProblem           [0] IMPLICIT GeneralProblem,     invokeProblem            [1] IMPLICIT InvokeProblem,     returnResultProblem      [2] IMPLICIT ReturnResultProblem,     returnErrorProblem       [3] IMPLICIT ReturnErrorProblem } } </pre>	
<b>Detailed Comments:</b>	Reject Component is not specific to any particular operation. The invokeID may be used to identify a specific operation.

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	RetrieveMPTY_Components
<b>Comments:</b>	GSM 04.80, 4.2
<b>Type Definition</b>	
CHOICE {	
retrieveMPTY_InvokeComp	[1] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
localValue	INTEGER (122) },
retrieveMPTY_ReturnResultComp	[2] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
result	SEQUENCE {
localValue	INTEGER (122) } },
retrieveMPTY_ReturnErrorComp	CHOICE {
errorCodes	[3] IMPLICIT SEQUENCE { invokeID   InvokeIDType,
	errorCode   ErrorLocalValues ( illegalSS_Operation
	facilityNotSupported ) },
ss_ErrorStatusErr	[3] IMPLICIT SEQUENCE { invokeID   InvokeIDType,
	errorCode   ErrorLocalValues ( ss_ErrorStatus ),
	parameter   SS_Status },
ss_IncompatibilityErr	[3] IMPLICIT SEQUENCE { invokeID   InvokeIDType,
	errorCode   ErrorLocalValues ( ss_Incompatibility ),
	parameter   SS_IncompatibilityCause },
systemFailureErr	[3] IMPLICIT SEQUENCE { invokeID   InvokeIDType,
	errorCode   ErrorLocalValues ( systemFailure ),
	parameter   NetworkResource } },
retrieveMPTY_RejectComp	[4] IMPLICIT RejectComponent }
<b>Detailed Comments:</b>	Timer T_retrieveMPTY (5 - 30 s)

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	SplitMPTY_Components
<b>Comments:</b>	GSM 04.80, 4.2
<b>Type Definition</b>	
CHOICE {	
splitMPTY_InvokeComp	[1] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
localValue	INTEGER (121) },
splitMPTY_ReturnResultComp	[2] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
result	SEQUENCE {
localValue	INTEGER (121) } },
splitMPTY_ReturnErrorComp	CHOICE {
errorCodes	[3] IMPLICIT SEQUENCE { invokeID   InvokeIDType,
	errorCode   ErrorLocalValues ( illegalSS_Operation
	facilityNotSupported ) },
ss_ErrorStatusErr	[3] IMPLICIT SEQUENCE { invokeID   InvokeIDType,
	errorCode   ErrorLocalValues ( ss_ErrorStatus ),
	parameter   SS_Status },
ss_IncompatibilityErr	[3] IMPLICIT SEQUENCE { invokeID   InvokeIDType,
	errorCode   ErrorLocalValues ( ss_Incompatibility ),
	parameter   SS_IncompatibilityCause },
systemFailureErr	[3] IMPLICIT SEQUENCE { invokeID   InvokeIDType,
	errorCode   ErrorLocalValues ( systemFailure ),
	parameter   NetworkResource } },
splitMPTY_RejectComp	[4] IMPLICIT RejectComponent }
<b>Detailed Comments:</b>	Timer T_splitMPTY (5 - 30 s)

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	UnstructuredSSNotify_Components
<b>Comments:</b>	GSM 09.02, 14.5, 14.6.4, 14.6.6, 14.7.4, 14.7.7
<b>Type Definition</b>	
CHOICE {	
unstructuredSSNotify_InvokeComp	[1] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
localValue	INTEGER (61),
ussd_Arg	USSD_Arg            },
unstructuredSSNotify_ReturnResultComp	[2] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
result	SEQUENCE {
localValue	INTEGER (61) } },
unstructuredSSNotify_ReturnErrorComp	CHOICE {
errorCodes	[3] IMPLICIT SEQUENCE { invokeID    InvokeIDType,
	errorCode   ErrorLocalValues ( illegalSubscriber
	illegalEquipment
	absentSubscriber
	dataMissing
	unexpectedDataValue
	unknownAlphabet
	ussd_Busy) },
systemFailureErr	[3] IMPLICIT SEQUENCE { invokeID    InvokeIDType,
	errorCode   ErrorLocalValues ( systemFailure ),
	parameter   NetworkResource} } ,
unstructuredSSNotify_RejectComp	[4] IMPLICIT RejectComponent }
<b>Detailed Comments:</b>	Timer m

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	UnstructuredSSRequest_Components
<b>Comments:</b>	GSM 09.02, 14.5, 14.6.4, 14.6.6, 14.7.4, 14.7.7
<b>Type Definition</b>	
CHOICE {	
unstructuredSSRequest_InvokeComp	[1] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
localValue	INTEGER (60),
ussd_Arg	USSD_Arg            },
unstructuredSSRequest_ReturnResultComp	[2] IMPLICIT SEQUENCE {
invokeID	InvokeIDType,
result	SEQUENCE {
localValue	INTEGER (60),
ussd_Res	USSD_Res        } } ,
unstructuredSSRequest_ReturnErrorComp	CHOICE {
errorCodes	[3] IMPLICIT SEQUENCE { invokeID    InvokeIDType,
	errorCode   ErrorLocalValues ( illegalSubscriber
	illegalEquipment
	absentSubscriber
	dataMissing
	unexpectedDataValue
	unknownAlphabet
	ussd_Busy) },
systemFailureErr	[3] IMPLICIT SEQUENCE { invokeID    InvokeIDType,
	errorCode   ErrorLocalValues ( systemFailure ),
	parameter   NetworkResource} } ,
unstructuredSSRequest_RejectComp	[4] IMPLICIT RejectComponent }
<b>Detailed Comments:</b>	Timer m

ASN.1 Type Definition	
<b>Type Name:</b>	AddressString
<b>Comments:</b>	GSM 09.02, 14.7.8
Type Definition	
OCTET STRING (SIZE ( 1 .. maxAddressLength ))	
<b>Detailed Comments:</b>	

ASN.1 Type Definition	
<b>Type Name:</b>	Asn1Integer
<b>Comments:</b>	INTEGER of ASN.1 type
Type Definition	
INTEGER	
<b>Detailed Comments:</b>	

ASN.1 Type Definition	
<b>Type Name:</b>	BasicServiceCode
<b>Comments:</b>	GSM 09.02, 14.7.8
Type Definition	
CHOICE { bearerService [2] IMPLICIT BearerServiceCode, teleservice [3] IMPLICIT TeleserviceCode }	
<b>Detailed Comments:</b>	

ASN.1 Type Definition	
<b>Type Name:</b>	BasicServiceGroupList
<b>Comments:</b>	GSM 09.02, 14.7.8
Type Definition	
SEQUENCE SIZE ( 1 .. maxNumOfBasicServiceGroups ) OF BasicServiceCode	
<b>Detailed Comments:</b>	

ASN.1 Type Definition	
<b>Type Name:</b>	BearerServiceCode
<b>Comments:</b>	GSM 09.02, 14.7.10
Type Definition	
OCTET STRING (SIZE (1))	
<b>Detailed Comments:</b>	

ASN.1 Type Definition	
<b>Type Name:</b>	CallBarringCause
<b>Comments:</b>	GSM 09.02, 14.7.7
Type Definition	
ENUMERATED { barringServiceActive (0), operatorBarring (1) }	
<b>Detailed Comments:</b>	

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	CallBarringFeature
<b>Comments:</b>	GSM 09.02, 14.7.4
<b>Type Definition</b>	
SEQUENCE { basicService BasicServiceCode OPTIONAL, ss_Status [4] IMPLICIT SS_Status OPTIONAL }	
<b>Detailed Comments:</b>	

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	CallBarringFeatureList
<b>Comments:</b>	GSM 09.02, 14.7.4
<b>Type Definition</b>	
SEQUENCE SIZE (1..maxNumOfBasicServiceGroups) OF CallBarringFeature	
<b>Detailed Comments:</b>	

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	CallBarringInfo
<b>Comments:</b>	GSM 09.02, 14.7.4
<b>Type Definition</b>	
SEQUENCE { ss_Code            SS_Code       OPTIONAL, callBarringFeatureList CallBarringFeatureList }	
<b>Detailed Comments:</b>	

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	CliRestrictionOption
<b>Comments:</b>	GSM 09.02, 14.7.4
<b>Type Definition</b>	
ENUMERATED { permanent                   (0), temporaryDefaultRestricted (1), temporaryDefaultAllowed   (2) }	
<b>Detailed Comments:</b>	

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	CUG_Feature
<b>Comments:</b>	GSM 09.02, 14.7.4
<b>Type Definition</b>	
SEQUENCE { basicService                BasicServiceCode   OPTIONAL, preferentialCUG_Indicator CUG_Index           OPTIONAL, interCUG_Restrictions      InterCUG_Restrictions }	
<b>Detailed Comments:</b>	

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	CUG_FeatureList
<b>Comments:</b>	GSM 09.02, 14.7.4
<b>Type Definition</b>	
SEQUENCE SIZE (1.. maxNumOfBasicServiceGroups ) OF CUG_Feature	
<b>Detailed Comments:</b>	

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	CUG_Index
<b>Comments:</b>	GSM 09.02, 14.7.4
Type Definition	
INTEGER (0..32767)	
<b>Detailed Comments:</b>	The internal structure is defined in ETS 300 138.

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	CUG_Interlock
<b>Comments:</b>	GSM 09.02, 14.7.4
Type Definition	
OCTET STRING (SIZE (4))	
<b>Detailed Comments:</b>	

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	CUG_Info
<b>Comments:</b>	GSM 09.02, 14.7.4
Type Definition	
SEQUENCE { cug_SubscriptionList CUG_SubscriptionList, cug_FeatureList CUG_FeatureList OPTIONAL }	
<b>Detailed Comments:</b>	

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	CUG_Subscription
<b>Comments:</b>	GSM 09.02, 14.7.4
Type Definition	
SEQUENCE { cug_Index CUG_Index, cug_Interlock CUG_Interlock, intraCUG_Options IntraCUG_Options, basicServiceGroupList BasicServiceGroupList OPTIONAL }	
<b>Detailed Comments:</b>	

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	CUG_SubscriptionList
<b>Comments:</b>	GSM 09.02, 14.7.4
Type Definition	
SEQUENCE SIZE (1.. maxNumOfCUG ) OF CUG_Subscription	
<b>Detailed Comments:</b>	

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	ErrorLocalValues
<b>Comments:</b>	GSM 04.80, 4.5
<b>Type Definition</b>	
<pre> INTEGER {   unknownSubscriber          (1),   illegalSubscriber         (9),   bearerServiceNotProvisioned (10),   teleserviceNotProvisioned (11),   illegalEquipment          (12),   callBarred                (13),   illegalSS_Operation       (16),   ss_ErrorStatus            (17),   ss_NotAvailable           (18),   ss_SubscriptionViolation  (19),   ss_Incompatibility        (20),   facilityNotSupported      (21),   absentSubscriber          (27),   systemFailure             (34),   dataMissing               (35),   unexpectedDataValue       (36),   pw_RegistrationFailure    (37),   negativePW_Check          (38),   numberOfPW_AttemptsViolation (43),   unknownAlphabet           (71),   ussd_Busy                 (72),   maxNumberOfIMPTY_ParticipantsExceeded (126),   resourcesNotAvailable     (127) } </pre>	
<b>Detailed Comments:</b>	Elements of INTEGER are global for the ATS.

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	ForwardingFeature
<b>Comments:</b>	GSM 09.02, 14.7.4
<b>Type Definition</b>	
<pre> SEQUENCE {   basicService          BasicServiceCode          OPTIONAL,   ss_Status             [4] IMPLICIT SS_Status    OPTIONAL,   forwardedToNumber     [5] IMPLICIT ISDN_AddressString OPTIONAL,   forwardedToSubaddress [8] IMPLICIT ISDN_SubaddressString OPTIONAL,   forwardingOptions     [6] IMPLICIT ForwardingOptions OPTIONAL,   noReplyConditionTime [7] IMPLICIT NoReplyConditionTime OPTIONAL } </pre>	
<b>Detailed Comments:</b>	

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	ForwardingFeatureList
<b>Comments:</b>	GSM 09.02, 14.7.4
<b>Type Definition</b>	
SEQUENCE SIZE (1..maxNumOfBasicServiceGroups) OF ForwardingFeature	
<b>Detailed Comments:</b>	

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	ForwardingInfo
<b>Comments:</b>	GSM 09.02, 14.7.4
<b>Type Definition</b>	
<pre> SEQUENCE {   ss_Code          SS_Code          OPTIONAL,   forwardingFeatureList ForwardingFeatureList } </pre>	
<b>Detailed Comments:</b>	



<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	ForwardingOptions
<b>Comments:</b>	GSM 09.02, 14.7.4
Type Definition	
OCTET STRING (SIZE (1))	
<b>Detailed Comments:</b>	

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	GeneralProblem
<b>Comments:</b>	ITU-T Q.767
Type Definition	
TCAP_Problems ( unrecognizedComponent   mistypedComponent   badlyStructuredComponent )	
<b>Detailed Comments:</b> Type restricted to these three.	

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	InterCUG_Restrictions
<b>Comments:</b>	GSM 09.02, 14.7.4
Type Definition	
OCTET STRING (SIZE (1))	
<b>Detailed Comments:</b>	bits: 876543: 000000 (unused) bits 21: 00 CUG only facilities 01 CUG with outgoing access 10 CUG with incoming access 11 CUG with both outgoing and incoming access

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	IntraCUG_Options
<b>Comments:</b>	GSM 09.02, 14.7.4
Type Definition	
ENUMERATED { noCUG_Restrictions (0), cugIC_CallBarred (1), cugOG_CallBarred (2) }	
<b>Detailed Comments:</b>	

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	InvokeIDType
<b>Comments:</b>	ITU-T, Q.773
Type Definition	
INTEGER (-128 .. 127)	
<b>Detailed Comments:</b>	Values: Sending Components: If it is an invoke component then use Test Case Variable (with default) to set value. If another invoke component is sent the TCV should be incremented beforehand. If it is a return result, error or reject component in response to a received invoke component then use TCV also, making sure the value is set to the value of the received component beforehand.  Receiving Components: If it is an invoke comp then use '?'. If it is a return result, error or reject component in response to a sent invoke component then use TCV value (as used in sent invoke component).

ASN.1 Type Definition	
<b>Type Name:</b>	InvokeProblem
<b>Comments:</b>	ITU-T Q.767
Type Definition	
TCAP_Problems ( duplicateInvokeID   unrecognizedOperation   mistypedArgument   resourceLimitation   initiatingRelease   unrecognizedLinkedID   linkedResponseUnexpected   unexpectedLinkedOperation )	
<b>Detailed Comments:</b>	Type restricted to these 8.

ASN.1 Type Definition	
<b>Type Name:</b>	ISDN_AddressString
<b>Comments:</b>	GSM 09.02, 14.7.8
Type Definition	
AddressString (SIZE ( 1 .. maxISDN_AddressLength ))	
<b>Detailed Comments:</b>	

ASN.1 Type Definition	
<b>Type Name:</b>	ISDN_SubaddressString
<b>Comments:</b>	GSM 09.02, 14.7.8
Type Definition	
OCTET STRING (SIZE ( 1 .. maxISDN_SubaddressLength ))	
<b>Detailed Comments:</b>	

ASN.1 Type Definition	
<b>Type Name:</b>	NetworkResource
<b>Comments:</b>	GSM 09.02, 14.7.8,
Type Definition	
ENUMERATED { plmn (0), hlr (1), vlr (2), pvlr (3), controllingMSC (4), vmcsc (5), eir (6), rss (7) }	
<b>Detailed Comments:</b>	Elements of INTEGER are global for the ATS.

ASN.1 Type Definition	
<b>Type Name:</b>	NoReplyConditionTime
<b>Comments:</b>	GSM 09.02, 14.7.4
Type Definition	
INTEGER (5 .. 30)	
<b>Detailed Comments:</b>	

ASN.1 Type Definition	
<b>Type Name:</b>	Operation
<b>Comments:</b>	ITU-T Q.767
Type Definition	
CHOICE { localValue INTEGER, globalValue OBJECT IDENTIFIER}	
<b>Detailed Comments:</b>	

ASN.1 Type Definition	
<b>Type Name:</b>	OverrideCategory
<b>Comments:</b>	GSM 09.02, 14.7.4
Type Definition	
ENUMERATED { overrideEnabled (0), overrideDisabled (1) }	
<b>Detailed Comments:</b>	

ASN.1 Type Definition	
<b>Type Name:</b>	Password
<b>Comments:</b>	GSM 09.02, 14.7.4
Type Definition	
NumericString (FROM ("0" "1" "2" "3" "4" "5" "6" "7" "8" "9")) (SIZE (4))	
<b>Detailed Comments:</b>	

ASN.1 Type Definition	
<b>Type Name:</b>	PW_RegistrationFailureCause
<b>Comments:</b>	GSM 09.02, 14.7.7
Type Definition	
ENUMERATED { undetermined (0), invalidFormat (1), newPasswordsMismatch (2) }	
<b>Detailed Comments:</b>	

ASN.1 Type Definition	
<b>Type Name:</b>	ReturnErrorProblem
<b>Comments:</b>	ITU-T Q.767
Type Definition	
TCAP_Problems ( unrecognizedInvokeID   returnErrorUnexpected   unrecognizedError   unexpectedError   mistypedParameter )	
<b>Detailed Comments:</b>	Type restricted to these 5.

ASN.1 Type Definition	
<b>Type Name:</b>	ReturnResultProblem
<b>Comments:</b>	ITU-T Q.767
Type Definition	
TCAP_Problems ( unrecognizedInvokeID   returnResultUnexpected   mistypedResult )	
<b>Detailed Comments:</b>	Type restricted to these three.

ASN.1 Type Definition	
<b>Type Name:</b>	SS_Code
<b>Comments:</b>	GSM 09.02, 14.7.5
Type Definition	
OCTET STRING (SIZE (1))	
<b>Detailed Comments:</b>	group (bits 8765), and specific service (bits 4321)

ASN.1 Type Definition	
<b>Type Name:</b>	SS_Data
<b>Comments:</b>	GSM 09.02, 14.7.4
Type Definition	
SEQUENCE { ss_Code                  SS_Code                  OPTIONAL, ss_Status              [4] IMPLICIT SS_Status      OPTIONAL, ss_SubscriptionOption  SS_SubscriptionOption  OPTIONAL, basicServiceGroupList  BasicServiceGroupList  OPTIONAL }	
<b>Detailed Comments:</b>	

ASN.1 Type Definition	
<b>Type Name:</b>	SS_ForBS_Code
<b>Comments:</b>	GSM 09.02, 14.7.4
Type Definition	
SEQUENCE { ss_Code          SS_Code, basicService  BasicServiceCode  OPTIONAL }	
<b>Detailed Comments:</b>	

ASN.1 Type Definition	
<b>Type Name:</b>	SS_IncompatibilityCause
<b>Comments:</b>	GSM 09.02, 14.7.8
Type Definition	
SEQUENCE { ss_Code          [1] IMPLICIT SS_Code  OPTIONAL, basicService  BasicServiceCode  OPTIONAL, ss_Status      [4] SS_Status      OPTIONAL }	
<b>Detailed Comments:</b>	

ASN.1 Type Definition	
<b>Type Name:</b>	SS_Info
<b>Comments:</b>	GSM 09.02, 14.7.4
Type Definition	
CHOICE { forwardingInfo  [0] IMPLICIT ForwardingInfo, callBarringInfo  [1] IMPLICIT CallBarringInfo, cug_Info          [2] IMPLICIT CUG_Info, ss_Data          [3] IMPLICIT SS_Data      }	
<b>Detailed Comments:</b>	

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	SS_Status
<b>Comments:</b>	GSM 09.02, 14.7.4
<b>Type Definition</b>	
OCTET STRING (SIZE (1))	
<b>Detailed Comments:</b>	bits 8765: 0000 unused, bits 4: SS state information Q bit, bits 3: SS state information P bit, bits 2: SS state information R bit, bits 1: SS state information A bit.

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	SS_SubscriptionOption
<b>Comments:</b>	GSM 09.02, 14.7.4
<b>Type Definition</b>	
CHOICE { overrideCategory [1] IMPLICIT OverrideCategory, cliRestrictionOption [2] IMPLICIT CliRestrictionOption }	
<b>Detailed Comments:</b>	

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	SS_UserData
<b>Comments:</b>	GSM 09.02, 14.7.4
<b>Type Definition</b>	
IA5String (SIZE (1 .. maxSignalInfoLength))	
<b>Detailed Comments:</b>	

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	TCAP_Problems
<b>Comments:</b>	ITU-T Q.767
<b>Type Definition</b>	
INTEGER { unrecognizedComponent (0), -- GeneralProblem unrecognizedInvokeID (0), -- ReturnResultProblem, ReturnErrorProblem duplicateInvokeID (0), -- InvokeProblem mismatchedComponent (1), -- GeneralProblem returnErrorUnexpected (1), -- ReturnErrorProblem returnResultUnexpected (1), -- ReturnResultProblem unrecognizedOperation (1), -- InvokeProblem badlyStructuredComponent (2), -- GeneralProblem unrecognizedError (2), -- ReturnErrorProblem mismatchedArgument (2), -- InvokeProblem, originally called mismatchedParameter in TCAP mismatchedResult (2), -- ReturnResultProblem resourceLimitation (3), -- InvokeProblem unexpectedError (3), -- ReturnErrorProblem mismatchedParameter (4), -- ReturnErrorProblem initiatingRelease (4), -- InvokeProblem unrecognizedLinkedID (5), -- InvokeProblem linkedResponseUnexpected (6), -- InvokeProblem unexpectedLinkedOperation (7) -- InvokeProblem }	
<b>Detailed Comments:</b>	Errors of the same integer value are distinguished by their different parent types (General, Invoke, ReturnResult, ReturnError).

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	TeleserviceCode
<b>Comments:</b>	GSM 09.02, 14.7.9
<b>Type Definition</b>	
OCTET STRING (SIZE (1))	
<b>Detailed Comments:</b>	

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	USSD_Arg
<b>Comments:</b>	GSM 09.02, 14.7.4
<b>Type Definition</b>	
SEQUENCE { ussd_DataCodingScheme   USSD_DataCodingScheme, ussd_String             USSD_String }	
<b>Detailed Comments:</b>	

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	USSD_Res
<b>Comments:</b>	GSM 09.02, 14.7.4
<b>Type Definition</b>	
SEQUENCE { ussd_DataCodingScheme   USSD_DataCodingScheme, ussd_String             USSD_String }	
<b>Detailed Comments:</b>	

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	USSD_DataCodingScheme
<b>Comments:</b>	GSM 09.02, 14.7.4
<b>Type Definition</b>	
OCTET STRING (SIZE (1))	
<b>Detailed Comments:</b>	

<b>ASN.1 Type Definition</b>	
<b>Type Name:</b>	USSD_String
<b>Comments:</b>	GSM 09.02, 14.7.4
<b>Type Definition</b>	
OCTET STRING (SIZE (1..maxUSSD_StringLength))	
<b>Detailed Comments:</b>	The structure of the contents of the USSD-String is dependent on the USSD-DataCodingScheme as described in TS GSM03.38.

## Test suite operation definitions

Test Suite Operation Definition	
<b>Operation Name:</b>	OC_Asn1intToOct(n:Asn1Integer; l: INTEGER)
<b>Result Type:</b>	OCTETSTRING
<b>Comments:</b>	
Description	
OC_Asn1intToOct converts the ASN.1 INTEGER `n` into OCTETSTRING with length = `l`.	
for example:	
OC_Asn1intToOct(14,1) = '0E'O;	
OC_Asn1intToOct(18,1) = '12'O;	
OC_Asn1intToOct(18,2) = '0012'O;	
OC_Asn1intToOct(-128,1) = '80'O (MSB (position p out of 1...p) represents $-2^{\exp(p-1)}$ );	
OC_Asn1intToOct(-32768,2) = '8000'O (MSB (position p out of 1...p) represents $-2^{\exp(p-1)}$ ).	
<b>Detailed Comments:</b>	

Test Suite Operation Definition	
<b>Operation Name:</b>	OC_Bcap(setup:SETUP_MO_PDU; callproc:CALL_PROC_PDU; mem:INTEGER)
<b>Result Type:</b>	BCAP
<b>Comments:</b>	
Description	
OC_Bcap operation returns a bearer capability IE according the following rule:	
- for `mem` = 1:	
- if bearer capability IE were presented in `callproc` the returned BC is the bearer capability 1 of the `callproc`;	
- otherwise, the returned bearer capability is the bearer capability 1 of the `setup`.	
- for `mem` = 2:	
- if bearer capability IE were presented in `callproc` the returned BC is the bearer capability 2 of the `callproc`;	
- otherwise, the returned bearer capability is the bearer capability 2 of the `setup`.	
<b>Detailed Comments:</b>	

Test Suite Operation Definition	
<b>Operation Name:</b>	OC_BinAdd(bitstr1:BITSTRING; bitstr2:BITSTRING)
<b>Result Type:</b>	BITSTRING
<b>Comments:</b>	
Description	
OC_BinAdd operation performs binary addition of two input parameters `bitstr1` and `bitstr2`, then returns the result of the addition. These two input parameters shall have the same length, the result of the operation has the same length as the input parameters.	
for example:	
OC_BinAdd('01000'B, '00110'B) = '01110'B;	
OC_BinAdd('01000'B, '00011'B) = '01011'B;	
OC_BinAdd('00100'B, '00010'B) = '00110'B.	
<b>Detailed Comments:</b>	

<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_Bit7(bstring: B_8)
<b>Result Type:</b>	BITSTRING
<b>Comments:</b>	The input parameter bstring is of type BITSTRING[8].
<b>Description</b>	
OC_Bit7(bstring) returns the value of bit 7 in the `bstring`.	
for example:	
OC_Bit7('01010101'B) = '1'B,	
OC_Bit7('10101010'B) = '0'B	
<b>Detailed Comments:</b>	

<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_BCDtoInt(bcdstring:HEXSTRING; relevant_digits: INTEGER)
<b>Result Type:</b>	INTEGER
<b>Comments:</b>	
<b>Description</b>	
The operation OC_BCDtoInt converts last 'relevant_digits' of an HEXSTRING containing BCD coded digits to an integer representation of these relevant digits.	
Example: OC_BCDtoInt('12345'H, 3) := 345	
<b>Detailed Comments:</b>	

<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_CallComfVerify(callcmf: CALL_CO_PDU; srv: IA5String)
<b>Result Type:</b>	BOOLEAN
<b>Comments:</b>	
<b>Description</b>	
The OC_CallComfVerify operation checks whether the CALL_CO_PDU `callcmf` contains one or two bearer capabilities according to the actual configuration of the MS and whether `callcmf` contains a correctly encoded "Repeat Indicator", the actual configuration is indicated by `srv`. It returns TRUE if the `callcmf` is according to the actual configuration and "Repeat Indicaor" is correct, otherwise it returns FALSE. The rules for verification is described in GSM 07.01.	
<b>Detailed Comments:</b>	

<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_CalledNumCHK(callednum:OCTETSTRING; dialnum:IA5String)
<b>Result Type:</b>	BOOLEAN
<b>Comments:</b>	
<b>Description</b>	
the operation OC_CalledNumCHK to check whether the called party number `callednum`, which is represented by OCTETSTRING, is the same as the dialed number `dialnum`, which is represented by IA5String. It returns TRUE if they are the same, otherwise FALSE.	
<b>Detailed Comments:</b>	



<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_CallProcGen(setup:SETUP_MO_PDU; callproc:CALL_PROC_PDU)
<b>Result Type:</b>	CALL_PROC_PDU
<b>Comments:</b>	This gives a general purpose call proceeding message
<b>Description</b>	
<p>OC_CallProcGen operation fills the bearer capability fields of the CALL_PROC_PDU (input parameter 'callproc') according to the input parameter 'setup' (SETUP message):</p>	
<p>1.           CALL_PROC_PDU.ti := setup.ti,               CALL_PROC_PDU.ti.ti_f := '1'B,</p>	
<p>2. Decide if negotiation is needed (* currently the only parameter that forces the MSC to respond is the connection element. The NIRR bit is ignored by old MSCs so the mobile cannot rely on a response. A recent change to 07.01 clarifies that the RCR is not negotiable in the Call Proceeding message *).</p>	
<p>Negotiation is only needed if either bearer capability 1 or bearer capability 2 (if present) has the connection element set to '1x'B.</p>	
<p>3. IF negotiation is not needed    THEN       CALL_PROC_PDU.bcric := OMIT,       CALL_PROC_PDU.bcap1 := 'OMIT',       CALL_PROC_PDU.bcap2 := 'OMIT'    ELSE (* negotiation needed *)       IF the bcric was received in the Setup message           THEN               CALL_PROC_PDU.bcric := setup.bcric           ELSE               CALL_PROC_PDU.bcric shall be Omitted.       IF setup.bcap1.itc = '000'B (speech call)           THEN               CALL_PROC_PDU.bcap1.rcr := '00'B,               (* this provides some testing of the ability of a mobile to correctly ignore spare bits *)               and set all other bcap1 fields to the value contained in the corresponding setup bcap1 fields           ELSE (* in this case bcap1 indicates data and the ce needs to be checked *)               CALL_PROC_PDU.bcap1.ce := '0x'B, where x equals to the second bit of SETUP_PDU.bcap.ce,               CALL_PROC_PDU.bcap1.NIRR = 0,               and set all other bcap1 fields to the value contained in the corresponding setup bcap1 fields       IF setup.bcap2 was received in the Setup message           THEN               IF setup.bcap2.itc = '000'B (speech call)                   THEN                       CALL_PROC_PDU.bcap2.rcr := '11'B,                       (* this provides some testing of the ability of a mobile to correctly ignore spare bits *)                       and set all other bcap2 fields to the value contained in corresponding setup bcap2 fields                   ELSE (* in this case bcap2 indicates data and the ce needs to be checked *)                       CALL_PROC_PDU.bcap2.ce := '0x'B, where x equals to the second bit of SETUP_PDU.bcap.ce,                       CALL_PROC_PDU.bcap2.NIRR = 0,                       and set all other bcap2 fields to the value contained in corresponding setup bcap2 fields           ELSE               CALL_PROC_PDU.bcap2 shall be Omitted.    END</p>	
<b>Detailed Comments:</b>	

<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_CallProcGenE(setup:ESETUP_PDU)
<b>Result Type:</b>	CALL_PROC_PDU
<b>Comments:</b>	this is used for emergency call.
<b>Description</b>	
<p>OC_CallProcGen operation generates a CALL_PROC_PDU according to the input parameter `setup` (ESETUP message):</p> <p style="padding-left: 40px;">CALL_PROC_PDU.ccpd := '0011'B,  CALL_PROC_PDU.ti := setup.ti,  CALL_PROC_PDU.ti.ti_f := '1'B,  CALL_PROC_PDU.mt := '0000010'B.</p> <p>1. If ESETUP message does not contain bcap, or if the setup.bcap1.itc = '00'B (speech call) then the CALL_PROC_PDU generated by this operation contains mandatory IE's only.  If ESETUP message does not contain bcap, then the tester shall assume Full Rate Speech.</p> <p>2. If the setup.bcap1.itc &lt;&gt; '000'B (non speech call)  the CALL_PROC_PDU generated by this operation contains the following IE's :</p> <p style="padding-left: 40px;">CALL_PROC_PDU.bcri.  CALL_PROC_PDU.bcap1 is omitted if setup.bcap1.rchr&lt;&gt; '1x'B or setup.bcap1.ce &lt;&gt; '1x'B, otherwise:  CALL_PROC_PDU.bcap1.rchr = '01'B (FR),  CALL_PROC_PDU.bcap1.ce = '00'B (T),  CALL_PROC_PDU.bcap1.nirr = '0'B (no meaning),  all other parameters in the CALL_PROC_PDU.bcap1 are set to the values received from setup.bcap1,  where applicable.  CALL_PROC_PDU.bcap2 is omitted.  all other IE's are omitted.</p>	
<b>Detailed Comments:</b>	

<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_ChkSRES(sres:OCTETSTRING; ki: BITSTRING; rand:BITSTRING)
<b>Result Type:</b>	BOOLEAN
<b>Comments:</b>	sres is 32 bits value.
<b>Description</b>	
<p>OC_ChkSRES checks the input parameter `sres` according to the authentication algorithm defined in the following procedure. It returns TRUE if the `sres` is correct, otherwise it returns FALSE.</p> <ul style="list-style-type: none"> <li>- firstly the `ki` XOR to the `rand` results in RES1;</li> <li>- then compare the most significant 32 bits of the RES1 with the `sres`;</li> <li>- if they are equal, the `sres` is correct and the operation returns TRUE;</li> <li>- if they are not equal, the `sres` is wrong and the operation returns FALSE.</li> </ul> <p>NOTE: this procedure is the test algorithm for authentication defined by GSM.</p>	
<b>Detailed Comments:</b>	

<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_CnvtMax(max:INTEGER)
<b>Result Type:</b>	B_2
<b>Comments:</b>	
<b>Description</b>	
<p>The allowed integer values for max are 1, 2, 4, 7 (maximum number of retransmissions). The result BITSTRING is 2 bits long. OC_CnvtMax converts the input integer `max` into a BITSTRING according to the following rule:</p> <ol style="list-style-type: none"> <li>1. the result is '00'B if the `max` = 1,</li> <li>2. the result is '01'B if the `max` = 2,</li> <li>3. the result is '10'B if the `max` = 4,</li> <li>4. the result is '11'B if the `max` = 7.</li> </ol> <p>for example:</p> <p>OC_CnvtMax(1) = '00'B,            OC_CnvtMax(7) = '11'B.</p>	
<b>Detailed Comments:</b>	

<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_CnvtTx(tx:INTEGER)
<b>Result Type:</b>	B_4
<b>Comments:</b>	The result BITSTRING is 4 bits long.
<b>Description</b>	
<p>OC_CnvtTx converts the input integer `tx` into a BITSTRING according the following rule:</p> <ol style="list-style-type: none"> <li>1. the result is '0000'B if the `tx` = 3,</li> <li>2. the result is '0001'B if the `tx` = 4,</li> <li>3. the result is '0010'B if the `tx` = 5,</li> <li>4. the result is '0011'B if the `tx` = 6,</li> <li>5. the result is '0100'B if the `tx` = 7,</li> <li>6. the result is '0101'B if the `tx` = 8,</li> <li>7. the result is '0110'B if the `tx` = 9,</li> <li>8. the result is '0111'B if the `tx` = 10,</li> <li>9. the result is '1000'B if the `tx` = 11,</li> <li>10. the result is '1001'B if the `tx` = 12,</li> <li>11. the result is '1010'B if the `tx` = 14,</li> <li>12. the result is '1011'B if the `tx` = 16,</li> <li>13. the result is '1100'B if the `tx` = 20,</li> <li>14. the result is '1101'B if the `tx` = 25,</li> <li>15. the result is '1110'B if the `tx` = 32,</li> <li>16. the result is '1111'B if the `tx` = 50.</li> </ol> <p>for example:</p> <p>OC_CnvtTx(3) = '0000'B,            OC_CnvtTx(5) = '0010'B.</p>	
<b>Detailed Comments:</b>	

<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_CodeSMSCBMessage(firstoct: INTEGER; lastoct: INTEGER)
<b>Result Type:</b>	OCTETSTRING
<b>Comments:</b>	
<b>Description</b>	
<p>The operation codes a part of the contents for a cell broadcast short message. The cell broadcast short message, is 82 octets long, i.e. 93 characters, each represented by 7 bits. As many as possible different characters are sent, the characters are those corresponding to the 7-bit representation of the integers 0, 1, 2, ..., 92. The bits are arranged acc. to GSM 03.38, clause 6.1.2.1.1. The result of this operation is the octetstring of the octets 'firstoct' to 'lastoct' (16 octets for the first message block, 22 octets for the 2nd, 3rd and 4th blocks), with the octets of the cell broadcast short message being numbered from 1 to 82.</p>	
<b>Detailed Comments:</b>	

<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_CodingOfUssdString(text: IA5String)
<b>Result Type:</b>	OCTETSTRING
<b>Comments:</b>	
<b>Description</b>	
<p>This operation provides the coding for a USSD String 'text' in the default alphabet, each character represented by 7 bits. The bits are arranged acc. to GSM 03.38, clause 6.1.2.2.1.</p>	
<b>Detailed Comments:</b>	

<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_ComputeSMContents(NumberOfCharacters: INTEGER)
<b>Result Type:</b>	OCTETSTRING
<b>Comments:</b>	max. 160 characters, i.e. 140 octets.
<b>Description</b>	
<p>This operation provides a short message's contents with a specified number of characters 'NumberOfCharacters', each represented by 7 bits. As possible different characters are sent, the characters are those corresponding to the 7-bit representation of 0, 1, 2, ... up to ('NumberOfCharacters' - 1). If more than 128 characters are sent, the rest of the characters is the corresponding to 0, 1, ... up to (NumberOfCharacters - 128 - 1), e.g. for 160 characters: 0, 1, ..., 127, 0, 1, ..., 31. The bits are arranged acc. to GSM 03.38, clause 6.1.2.1.1.</p>	
<b>Detailed Comments:</b>	

<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_ComputeSMContentsSpecText(NumberOfCharacters: INTEGER; text: IA5String)
<b>Result Type:</b>	OCTETSTRING
<b>Comments:</b>	max. 160 characters, i.e. 140 octets.
<b>Description</b>	
<p>This operation provides a short message's contents with a specified number of characters 'NumberOfCharacters', each represented by 7 bits. 'text' is used as contents of the short message. If 'text' contains less than 'NumberOfCharacters' characters, 'text' is repeated until the short message is 'NumberOfCharacters' characters long. The bits are arranged acc. to GSM 03.38, clause 6.1.2.1.1.</p>	
<b>Detailed Comments:</b>	

<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_CphKeyGen(ki:BITSTRING; rand:BITSTRING)
<b>Result Type:</b>	BITSTRING
<b>Comments:</b>	both ki and rand are 128 bits values, the result of the operation is 64 bits value
<b>Description</b>	
<p>OC_CphKeyGen generates the ciphering key from the input parameters according to the following procedure:</p> <ul style="list-style-type: none"> <li>- firstly the 'ki' XOR to the 'rand' results in RES1;</li> <li>- then discard the most significant 32 bits of the RES;</li> <li>- the next 64 bits of RES1 are the ciphering key, the operation returns this value.</li> <li>- the 32 least significant bits are not used.</li> </ul>	
<b>Detailed Comments:</b>	

<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_FirstDigi(bcddigits:HEXSTRING)
<b>Result Type:</b>	B_4
<b>Comments:</b>	
<b>Description</b>	
<p>The input parameter bcddigits shall be a BCD string (subset of HEXSTRING), the result is a BITSTRING[4] of a binary representation of one BCD digit.</p> <p>The function of the OC_FirstDigi is to return the first (most significant) digit of the input parameter `bcddigits`.</p> <p>for example:</p> <p>OC_FirstDigi('12345') = '0001'B,  OC_FirstDigi('012345678') = '0000'B.</p>	
<b>Detailed Comments:</b>	

<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_FnArith(fn, fn1:FN)
<b>Result Type:</b>	INTEGER
<b>Comments:</b>	
<b>Description</b>	
<p>The function of OC_FnArith operation to calculate the difference of two frame numbers `fn` and `fn1`.</p> <pre> OC_FnArith(fn, inc) FN  fn, fn1; { int  fmin frmin1; INTEGER  diff;  fmin = 51 * ((fn.t3 - fn.t2) MOD 26) + fn.t3 + 1326 * fn.t1_ ; frmin1 = 51 * ((fn1.t3 - fn1.t2) MOD 26) + fn1.t3 + 1326 * fn1.t1_ ;  diff = (fmin - frmin1) MOD 42432  return (diff); } </pre>	
<b>Detailed Comments:</b>	

<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_FnInc(fn:FN; inc:INTEGER)
<b>Result Type:</b>	FN
<b>Comments:</b>	
<b>Description</b>	
<p>The function of OC_FnInc operation to increase frame number with `inc`. The frame number to be incremented is the input parameter `fn` in FN type and the increment `inc` is in INTEGER type, the incremented frame number is returned in FN type.</p> <pre> OC_FnInc(fn, inc) FN fn; INTEGER inc; { int fmin; FN frmout;      fmin = 51 * ((fn.t3 - fn.t2) MOD 26) + fn.t3 + 1326 * fn.t1_ ;      frmout.t1_ = ((fmin + inc) DIV 1326) MOD 32;     frmout.t2  = (fmin + inc) MOD 26;     frmout.t3  = (fmin + inc) MOD 51;     return (frmout); } </pre>	
<b>Detailed Comments:</b>	

<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_GetSCTimeStamp(timezone:TZONES)
<b>Result Type:</b>	TPSCTS
<b>Comments:</b>	TPSCTS is HEXSTRING[14]
<b>Description</b>	
<p>This Operation provides the hexstring containing the service center time stamp (SCTS) according to GSM 03.40, clauses 9.2.2.1 and 9.2.3.11. The TSO reads the current time of the test systems clock and transforms the time in combination with the input parameter 'timezone' into a service center time stamp.</p> <p>Example:  1996 April 18, 15:32:46, timezone=4  OC_GetSCTimeStamp returns 69408151236440</p>	
<b>Detailed Comments:</b>	

<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_IncTmsi(tmsi:TMSI_V; inc:OCTETSTRING)
<b>Result Type:</b>	TMSI_V
<b>Comments:</b>	the `tmsi` is 4 OCTETs long
<b>Description</b>	
<p>OC_IncTmsi operation adds the two input parameters and returns the result. An overflow of addition is allowed.</p> <p>For example :</p> <pre> OC_IncTmsi('33542140'O + '01'O) = '33542141'O; OC_IncTmsi('21322140'O + '08'O) = '21322148'O. </pre>	
<b>Detailed Comments:</b>	

<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_InRang(tx: INTEGER; maxret:INTEGER; m: INTEGER)
<b>Result Type:</b>	BOOLEAN
<b>Comments:</b>	
Description	
The operation returns TRUE if $(m \text{ DIV } (\maxret * ((230+\maxret -1)/\maxret)))$ is inside the following interval: $[0.8 - ((tx+1)/2) \text{ DIV } tx; 1.2 - ((tx+1)/2) \text{ DIV } tx]$	
where / is integer division, DIV is float division, m, tx and maxret are input parameters of the operation.	
<b>Detailed Comments:</b>	

<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_IntToOct(n:INTEGER; l: INTEGER)
<b>Result Type:</b>	OCTETSTRING
<b>Comments:</b>	
Description	
OC_IntToOct converts the INTEGER `n` into OCTETSTRING with length = `l`.	
for example:	
OC_IntToOct(14,1) = '0E'O;	
OC_IntToOct(18,1) = '12'O;	
OC_IntToOct(18,2) = '0012'O.	
<b>Detailed Comments:</b>	

<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_LeastBits(bstring:BITSTRING; lg:INTEGER)
<b>Result Type:</b>	BITSTRING
<b>Comments:</b>	
Description	
OC_LeastBits operation returns the `lg` least significant bits of the original `bstring`.	
for example:	
OC_LeastBits('110011000101010'B, 3) = '010'B,	
OC_LeastBits('110011000101010'B, 6) = '101010'B.	
<b>Detailed Comments:</b>	

<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_LengthOf(identity_field :MI)
<b>Result Type:</b>	INTEGER
<b>Comments:</b>	
Description	
OC_LengthOf operation returns the actual length of the `identity_field`, the unit of length is in OCTET.	
<b>Detailed Comments:</b>	

<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_LengthOfBCDN(bcdn :BCDN)
<b>Result Type:</b>	INTEGER
<b>Comments:</b>	
Description	
OC_LengthOfBCDN operation returns the actual length of an IE of type BCDN `bcdn`, the unit of length is in OCTET.	
<b>Detailed Comments:</b>	

<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_LengthOfComp(comp: Component_T)
<b>Result Type:</b>	OCTETSTRING
<b>Comments:</b>	
<b>Description</b>	
OC_LengthOfComp operation returns the actual length of the Component_T `comp`, the unit of length is in OCTET.	
<b>Detailed Comments:</b>	

<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_LengthOfComp1(comp: Components)
<b>Result Type:</b>	OCTETSTRING
<b>Comments:</b>	
<b>Description</b>	
OC_LengthOfComp1 operation returns the actual length of the Components `comp`, the unit of length is in OCTET.	
<b>Detailed Comments:</b>	

<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_LengthOfString(strg: IA5String)
<b>Result Type:</b>	INTEGER
<b>Comments:</b>	
<b>Description</b>	
OC_LengthOfString operation returns the actual length (number of characters) of the string `strg`.	
<b>Detailed Comments:</b>	



<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_LookupS(t: INTEGER; combined :BOOLEAN)
<b>Result Type:</b>	INTEGER
<b>Comments:</b>	the algorithm is derived from Table 3.1/GSM 04.08 for values of parameter S.
<b>Description</b>	
This operation returns an INTEGER according the following algorithm:	
<pre>OC_LookupS( t, comb) INTEGER t; BOOLEAN combined; {   switch (t)   { case 3:     case 8:     case 14:     case 50:       if (combined) then         return(41)       else return(55);       break;     case 4:     case 9:     case 16:       if (combined) then         return(52)       else return(76);       break;     case 5:     case 10:     case 20:       if (combined) then         return(58)       else return(109);       break;     case 6:     case 11:     case 25:       if (combined) then         return(86)       else return(163);       break;     case 7:     case 12:     case 32:       if (combined) then         return(115)       else return(217);       break;   } }</pre>	
<b>Detailed Comments:</b>	

<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_MostBits(bstring:BITSTRING; lg :INTEGER)
<b>Result Type:</b>	BITSTRING
<b>Comments:</b>	
<b>Description</b>	
OC_MostBits operation returns the `lg` most significant bits of the original `bstring` .	
for example:	
OC_LeastBits('110011000101010'B, 3) = '110'B, OC_LeastBits('110011000101010'B, 6) = '110011'B.	
<b>Detailed Comments:</b>	

<b>Test Suite Operation Definition</b>	
<b>Operation Name:</b>	OC_MsrReptChk(msrres: MSRR; index: INTEGER)
<b>Result Type:</b>	BOOLEAN
<b>Comments:</b>	
Description	
OC_MsrReptChk operation checks whether the received measurement report contains correct values:	
<p>1. when the `index` = 1:</p> <pre> if set { { msrres.bcchfrq_nc1, mssres.bsic_nc1}, { msrres.bcchfrq_nc2, mssres.bsic_nc2},         { msrres.bcchfrq_nc3, mssres.bsic_nc3}, { msrres.bcchfrq_nc4, mssres.bsic_nc4},         { msrres.bcchfrq_nc5, mssres.bsic_nc5}, { msrres.bcchfrq_nc6, mssres.bsic_nc6}       } equals to set { {'0000'B, '001011'B}, {'01111'B, '001001'B},       {'10101'B, '001011'B}, {'10110'B, '001101'B},       {'11100'B, '001111'B}, {'11111'B, '001001'B}     } then the operation returns TRUE otherwise FALSE. </pre> <p>2. when the `index` = 2:</p> <pre> if set { { msrres.bcchfrq_nc1, mssres.bsic_nc1}, { msrres.bcchfrq_nc2, mssres.bsic_nc2},         { msrres.bcchfrq_nc3, mssres.bsic_nc3}, { msrres.bcchfrq_nc4, mssres.bsic_nc4},         { msrres.bcchfrq_nc5, mssres.bsic_nc5}, { msrres.bcchfrq_nc6, mssres.bsic_nc6}       } equals to set { {'0000'B, '001011'B}, {'00100'B, '001001'B},       {'00110'B, '001011'B}, {'00101'B, '001101'B},       {'00010'B, '001111'B}, {'00111'B, '001001'B}     } then the operation returns TRUE otherwise FALSE. </pre> <p>3. when the `index` = 3:</p> <pre> if set { { msrres.bcchfrq_nc1, mssres.bsic_nc1}, { msrres.bcchfrq_nc2, mssres.bsic_nc2},         { msrres.bcchfrq_nc3, mssres.bsic_nc3}, { msrres.bcchfrq_nc4, mssres.bsic_nc4},         { msrres.bcchfrq_nc5, mssres.bsic_nc5}, { msrres.bcchfrq_nc6, mssres.bsic_nc6}       } equals to set { {'00001'B, '001011'B}, {'00101'B, '001001'B},       {'00111'B, '001011'B}, {'00110'B, '001101'B},       {'00011'B, '001111'B}, {'01000'B, '001001'B}     } then the operation returns TRUE otherwise FALSE. </pre> <p>4. when the `index` = 4 :</p> <pre> if set { { msrres.bcchfrq_nc1, mssres.bsic_nc1}, { msrres.bcchfrq_nc2, mssres.bsic_nc2},         { msrres.bcchfrq_nc3, mssres.bsic_nc3}, { msrres.bcchfrq_nc4, mssres.bsic_nc4},       } equals to set { {'00000'B, '001011'B}, {'00010'B, '001111'B},       {'00001'B, '001111'B}, {'00011'B, '001001'B}     } then the operation returns TRUE otherwise FALSE. </pre> <p>5. when the `index` = 5 :</p> <pre> if set { { msrres.bcchfrq_nc1, mssres.bsic_nc1}, { msrres.bcchfrq_nc2, mssres.bsic_nc2},         { msrres.bcchfrq_nc3, mssres.bsic_nc3}, { msrres.bcchfrq_nc4, mssres.bsic_nc4},       } equals to set { {'00000'B, '001011'B}, {'00010'B, '001111'B},       {'00001'B, '001111'B}, {'00100'B, '001001'B}     } then the operation returns TRUE otherwise FALSE. </pre>	

6. when the `index` = 6:
- ```

if set { { mssres.bcchfrq_nc1, mssres.bsic_nc1}, { mssres.bcchfrq_nc2, mssres.bsic_nc2},
        { mssres.bcchfrq_nc3, mssres.bsic_nc3}, { mssres.bcchfrq_nc4, mssres.bsic_nc4},
        { mssres.bcchfrq_nc5, mssres.bsic_nc5}, { mssres.bcchfrq_nc6, mssres.bsic_nc6}
      }
equals to
set { {'00000'B, '001011'B}, {'00011'B, '001001'B},
     {'00100'B, '001011'B}, {'00101'B, '001101'B},
     {'00110'B, '001111'B}, {'00111'B, '001001'B}
    }
then the operation returns TRUE otherwise FALSE.

```
7. when the `index` = 7:
- ```

if set { { mssres.bcchfrq_nc1, mssres.bsic_nc1}, { mssres.bcchfrq_nc2, mssres.bsic_nc2},
        { mssres.bcchfrq_nc3, mssres.bsic_nc3}, { mssres.bcchfrq_nc4, mssres.bsic_nc4},
        { mssres.bcchfrq_nc5, mssres.bsic_nc5}, { mssres.bcchfrq_nc6, mssres.bsic_nc6}
      }
equals to
set { {'00000'B, '001011'B}, {'00100'B, '001001'B},
     {'00110'B, '001011'B}, {'00101'B, '001101'B},
     {'00010'B, '001111'B}, {'00111'B, '001001'B}
    }
then the operation returns TRUE otherwise FALSE.

```
8. when the `index` = 8 :
- ```

if set { { mssres.bcchfrq_nc1, mssres.bsic_nc1}, { mssres.bcchfrq_nc2, mssres.bsic_nc2}
      }
equals to
set { {'00000'B, '001011'B}, {'00010'B, '001101'B}
    }
then the operation returns TRUE otherwise FALSE.

```
9. when the `index` = 9 :
- ```

if set { { mssres.bcchfrq_nc1, mssres.bsic_nc1}, { mssres.bcchfrq_nc2, mssres.bsic_nc2}
      }
equals to
set { {'00110'B, '001011'B}, {'00111'B, '001101'B}
    }
then the operation returns TRUE otherwise FALSE.

```
10. when the `index` = 10 :
- ```

if set { { mssres.bcchfrq_nc1, mssres.bsic_nc1}, { mssres.bcchfrq_nc2, mssres.bsic_nc2}
      }
equals to
set { {'00011'B, '001011'B}, {'00101'B, '001101'B}
    }
then the operation returns TRUE otherwise FALSE.

```

**Detailed Comments:**

| <b>Test Suite Operation Definition</b>                                                                                                                                                |                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                | OC_OeBit(bcddigits:HEXSTRING)                                                                           |
| <b>Result Type:</b>                                                                                                                                                                   | BITSTRING                                                                                               |
| <b>Comments:</b>                                                                                                                                                                      | The input parameter `bcddigits` is really BCD string (subset of HEXSTRING), the result is BITSTRING[1]. |
| Description                                                                                                                                                                           |                                                                                                         |
| The function of the OC_OeBit is as the following:                                                                                                                                     |                                                                                                         |
| <ol style="list-style-type: none"> <li>1. it returns '1'B, if the length of the `bcddigits` is odd,</li> <li>2. it returns '0'B, if the length of the `bcddigits` is even.</li> </ol> |                                                                                                         |
| for example:                                                                                                                                                                          |                                                                                                         |
| OC_OeBit('12583') = '1'B,                                                                                                                                                             |                                                                                                         |
| OC_OeBit('87259957') = '0'B.                                                                                                                                                          |                                                                                                         |
| <b>Detailed Comments:</b>                                                                                                                                                             |                                                                                                         |

| <b>Test Suite Operation Definition</b>                    |                                |
|-----------------------------------------------------------|--------------------------------|
| <b>Operation Name:</b>                                    | OC_OctToInt(ostr: OCTETSTRING) |
| <b>Result Type:</b>                                       | INTEGER                        |
| <b>Comments:</b>                                          |                                |
| Description                                               |                                |
| OC_OctToInt converts the OCTETSTRING `ostr` into INTEGER. |                                |
| <b>Detailed Comments:</b>                                 |                                |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                             |                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                             | OC_OctToInvokelDType(o:OCTETSTRING) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                | InvokelDType                        |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                   |                                     |
| Description                                                                                                                                                                                                                                                                                        |                                     |
| OC_OctToInvokelDType converts the OCTETSTRING `o` into InvokelDType, with the MSB of `o` representing the negative value $-2^{\exp(n-1)}$ , for example '80'O->'10000000'B-> -128. The rest of the bits can code positive values up to $+2^{\exp(n-2)-1}$ , for example '4F'O->'01111111'B-> +127. |                                     |
| for example:                                                                                                                                                                                                                                                                                       |                                     |
| OC_OctToInvokelDType('80'O) = -128;                                                                                                                                                                                                                                                                |                                     |
| OC_OctToInvokelDType('81'O) = -128+1 = -127;                                                                                                                                                                                                                                                       |                                     |
| OC_OctToInvokelDType('40'O) = +64.                                                                                                                                                                                                                                                                 |                                     |
| OC_OctToInvokelDType('7F'O) = +127.                                                                                                                                                                                                                                                                |                                     |
| OC_OctToInvokelDType('C0'O) = -128+64 = -64.                                                                                                                                                                                                                                                       |                                     |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                          |                                     |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OC_OtherDigi(bcddigits:HEXSTRING)                                                                                                                                            |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | OCTETSTRING                                                                                                                                                                  |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | The input parameter `bcddigits` is really BCD string (subset of HEXSTRING), the result is an even BCD digits except that the next to last may either be 'F'H or a BCD digit. |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                              |
| <p>The function of the OC_OtherDigi is as the following:</p> <ol style="list-style-type: none"> <li>1. If the number of the `bcddigits` is odd, the operation removes the most significant digit, and then reverses the order of each pair of digits;</li> <li>2. If the number of the `bcddigits` is even, first the operation suffixes the `bcddigits` with 'F'H, then removes the most significant digit, and then reverses the order of each pair of digits.</li> </ol> <p>for example:</p> <p>OC_OtherDigi('12345') = '3254',<br/>           OC_OtherDigi('12345678') = '325476F8'.</p> |                                                                                                                                                                              |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                              |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                           |                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                           | OC_PosinSet(set: Components; comp: Component) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                              | INTEGER                                       |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                 |                                               |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                               |                                               |
| <p>The operation OC_PosinSet returns the position of component `comp` within the SET `set` .</p> <p>for example:</p> <p>if the set = { registerSSComponents, eraseSSComponents, activateSSComponents, deactivateSSComponents }</p> <p>OC_PosinSet(set, registerSSComponents) = 0,<br/>           OC_PosinSet(set, activateSSComponents) = 2.</p> |                                               |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                        |                                               |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OC_RachSlots(fn1:FN; fn2:FN; cmbn: BOOLEAN; mode:INTEGER) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | INTEGER                                                   |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                           |
| <p>OC_RachSlots calculates the number of RACH slots between frame number `fn1` and `fn2` excluding the slots in `fn1` and `fn2`, then return the result of the calculation.</p> <p>If mode=0, 'fn1' denotes the (first) frame number for sending Paging Request, while 'fn2' denotes the (first) frame number for the received Channel Request. If mode=1 'fn1' and 'fn2' denote the (first) frame number for the received two subsequent Channel Requests. Any other values for mode is not allowed.</p> <p>Since the number of RACH slots depends on the RACH being combined or not with dedicated channels, the parameter 'cmbn' is needed: TRUE --&gt; combined, FALSE--&gt; not combined.</p> <p>It is assumed that the distance between fn1 and fn2 is not more than one group of 42432 TDMA frames (modulo 42432 is used to calculate t1' of fn1 and fn2). This is equivalent to approximately 196 seconds. The 51 TDMA frames in a multiframe are numbered 0 to 50.</p> <p>fn1' := fn1 mod 51<br/>fn2' := fn2 mod 51</p> <p>CASE 1: cmbn is FALSE ('not combined')</p> <p>When 'not combined', all slots are RACH slots.</p> <p>1.1 mode=0 (sending paging message at fn1)</p> <p>The paging uses the numbered frames 6 - 9, 12 -19, 22-29, 32-39 and 42-49.</p> <p>1.1.1 If fn1 is not in the paging TDMA frame mapping, it leads testing to a test system error.<br/>IF (fn1' &lt; 6) OR (9 &lt; fn1' &lt; 12) OR (19 &lt; fn1' &lt; 22) OR (29 &lt; fn1' &lt; 32) OR (39 &lt; fn1' &lt; 42) OR (fn1' &gt;49),<br/>A test system error! The calling test case shall re-run again.<br/>OTHERWISE</p> <p>1.1.2 The number of RACH slots is equal to the number of frames between fn1 + 3 and fn2. The fn1 is added by 3 because a page message occupies 4 slots. The fn1 indicates the first slot of the paging message.<br/>IF (fn1 + 3) &lt; fn2, OC_RachSlots := fn2 - (fn1 + 3) - 1 = fn2 - fn1 - 4,</p> <p>1.1.3 If fn1+3 is equal to or greater than fn2, then this is due to fn2 being in the next group of 42432 frames. In this case 42432 frames have to be added.<br/>IF fn2 &lt;= (fn1 + 3), OC_RachSlots := fn2 -fn1 - 3 + 42432 -1 = fn2 -fn1 + 42428</p> <p>1.2 mode=1 (receiving channel request at fn1)</p> <p>The number of RACH slots is equal to the number of frames between fn1 and fn2</p> <p>1.2.1 IF fn1 &lt; fn2, OC_RachSlots := fn2 - fn1 - 1,<br/>1.2.2 IF fn2 &lt;= fn1, OC_RachSlots := fn2 -fn1 + 42432 -1 = fn2 -fn1 + 42431</p> <p>CASE 2: cmbn is TRUE ('combined')</p> <p>When combined only the slots of the numbered frames 4, 5, 14 to 36, 45 and 46 in each multiframe are RACH slots, i.e.total 27 frames per multiframe.</p> <p>2.1 mode=0 (sending paging message at fn1)</p> <p>The paging uses the numbered frames 6 - 9 and 12 -19.</p> <p>2.1.1 If fn1 is not in the paging TDMA frame mapping, it leads testing to a test system error. If fn2 is not in the RACH TDMA frame mapping, it leads testing to fail.</p> <p>IF (fn2' &lt; 4) OR (5 &lt; fn2' &lt; 14) OR (36 &lt; fn2' &lt; 45) OR (fn2' &gt; 46), OC_RachSlots := -9999<br/>IF (fn1' &lt; 6) OR (9 &lt; fn1' &lt; 12) OR (fn1' &gt;19), A test system error! The calling test case shall re-run again.<br/>OTHERWISE</p> <p>2.1.2 Calculation of the number 'c' multiframes between fn1 + 3 and fn2. If fn1 + 3 is equal to or greater than fn2, then this is due to fn2 being in the next group of 42432 frames. In this case 42432 frames have to be added. '/' shall be the integer division, i.e. the result is also integer. Fractions are discarded.</p> <p>2.1.2.1 IF (fn1 + 3) &lt; fn2, c := fn2 / 51 - (fn1 + 3) / 51<br/>2.1.2.2 IF fn2 &lt;= (fn1 + 3), c := fn2 / 51 - (fn1 + 3) / 51 + 42432 / 51 = fn2 / 51 - (fn1 + 3) / 51 + 832</p> <p>2.1.3 Calculation of the number of frames 'a' to be subtracted according to the position of fn1' within the multiframe<br/>IF (5 &lt; fn1' &lt; 9) , a := 2</p> |                                                           |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>IF (<math>fn1' = 9</math>),            <math>a := 3</math><br/> IF (<math>11 &lt; fn1' &lt; 20</math>),    <math>a := fn1' - 8</math></p> <p>2.2 mode=1 (receiving channel request at fn1)</p> <p>2.2.1 If fn1 or fn2 are not in the RACH TDMA frame mapping, it leads testing to fail.<br/> IF (<math>fn2' &lt; 4</math>) OR (<math>5 &lt; fn2' &lt; 14</math>) OR (<math>36 &lt; fn2' &lt; 45</math>) OR (<math>fn2' &gt; 46</math>)<br/> OR (<math>fn1' &lt; 4</math>) OR (<math>5 &lt; fn1' &lt; 14</math>) OR (<math>36 &lt; fn1' &lt; 45</math>) OR (<math>fn1' &gt; 46</math>), OC_RachSlots := -9999</p> <p>2.2.2 Calculation of the number 'c' multiframe between fn1 and fn2<br/> 2.2.2.1 IF <math>fn1 &lt; fn2</math>,    <math>c := fn2 / 51 - fn1 / 51</math><br/> 2.2.2.2 IF <math>fn2 \leq fn1</math>    <math>c := fn2 / 51 - fn1 / 51 + 42432 / 51 = fn2 / 51 - fn1 / 51 + 832</math></p> <p>2.2.3 Calculation of the number of frames 'a' to be subtracted according to the position of fn1' within the multiframe<br/> IF (<math>3 &lt; fn1' &lt; 6</math>),        <math>a := fn1' - 3</math><br/> IF (<math>13 &lt; fn1' &lt; 37</math>),    <math>a := fn1' - 11</math><br/> IF (<math>44 &lt; fn1' &lt; 47</math>),    <math>a := fn1' - 19</math></p> <p>2.3 Calculation of the number of slots 'b' to be added according to the position of fn2' within the multiframe<br/> IF (<math>3 &lt; fn2' &lt; 6</math>),        <math>b := fn2' - 4</math><br/> IF (<math>13 &lt; fn2' &lt; 37</math>),    <math>b := fn2' - 12</math><br/> IF (<math>44 &lt; fn2' &lt; 47</math>),    <math>b := fn2' - 20</math></p> <p>2.4 Calculation of the number of RACH slots. There are 27 RACH slots in each multiframe.<br/> OC_RachSlots := <math>27 * c + b - a</math></p> <p><b>Detailed Comments:</b>        TC_26_2_1_1 uses mode=0. TC_26_2_1_2 uses mode=1.</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| <b>Test Suite Operation Definition</b>                                                               |                                   |
|------------------------------------------------------------------------------------------------------|-----------------------------------|
| <b>Operation Name:</b>                                                                               | OC_Random(n1:INTEGER; n2:INTEGER) |
| <b>Result Type:</b>                                                                                  | INTEGER                           |
| <b>Comments:</b>                                                                                     |                                   |
| <b>Description</b>                                                                                   |                                   |
| This operation randomly returns one number from the following candidates:<br>'n1', 'n1'+1, ..., 'n2' |                                   |
| <b>Detailed Comments:</b>                                                                            |                                   |

| <b>Test Suite Operation Definition</b>                                                    |                                                     |
|-------------------------------------------------------------------------------------------|-----------------------------------------------------|
| <b>Operation Name:</b>                                                                    | OC_RcsdPresent(msg:MODIFY_PDU)                      |
| <b>Result Type:</b>                                                                       | BOOLEAN                                             |
| <b>Comments:</b>                                                                          | To check if RCSD IE is present or not in Modify PDU |
| <b>Description</b>                                                                        |                                                     |
| IF RCSD IE is present in the PDU passed on input parameter return TRUE ELSE return FALSE. |                                                     |
| <b>Detailed Comments:</b>                                                                 |                                                     |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                       |                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                       | OC_ReverseTfOfTi(ti:TI) |
| <b>Result Type:</b>                                                                                                                                                                                                                          | TI                      |
| <b>Comments:</b>                                                                                                                                                                                                                             |                         |
| <b>Description</b>                                                                                                                                                                                                                           |                         |
| This operation randomly returns a transaction identifier with the same transaction value as transaction identifier 'ti' but with the transaction flag reversed, i.e. new transaction flag is 0 if transaction flag of ti is 1 and viceversa. |                         |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                    |                         |



| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | OC_SaveAndProc1(val:INTEGER; mode :INTEGER; cnt:INTEGER; cmbnd:BOOLEAN)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | BOOLEAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | This operation is used for storing and analysing the CHANNEL REQUEST message distribution.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <p>The function of this operation is defined as an pseudo C code:</p> <pre> #define SAVE 0; #define PROC 1;  OC_SaveAndProc(val, mode,cnt) INTEGER    val, mode,cnt; BOOLEAN    combined; {   static INTEGER  buf[200];   int i, j, n;   if (mode == SAVE)     { cnt = cnt mod 200;       if (cmbnd == C_NotCombined) AND (val&lt;=(108 + 8)) then         { buf[cnt] = val;           return (TRUE);         }       if (cmbnd == C_Combined) AND (val&lt;=(61 + 8)) then         { buf[cnt] = val;           return (TRUE);         }       else return (FALSE);     }   if (mode == PROC)     {       for (i=0, i&lt;200, i++)         { n=0;           for (j=0, j&lt;200, j++)             if (buf[j] == buf[i])               n = n+1;           if (n &gt; 41) return (FALSE);         }       return(TRUE);     } } </pre> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <p>This test suite operation has two operation modes :</p> <ul style="list-style-type: none"> <li>- when the mode is SAVE and the val is less than 69 for combined or 116 for non-combined, it saves the value val into internal buffer and returns TRUE, otherwise returns FALSE. 200 values will be stored in the internal buffer when the operation is invoked 200 times.</li> <li>- When the mode is PROC, it analyses the values stored in the internal buffer, if no more than 41 of them are equal the operation returns TRUE, otherwise returns FALSE. ( i.e. for all n, <math>CARD\{ k f(k) = n \} \leq 41</math>)</li> </ul> |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | OC_SaveAndProc3(val:BITSTRING; mode :INTEGER; cnt:INTEGER)                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | BOOLEAN                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | This operation is used for storing and analysing the random reference.                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <p>The function of this operation is defined as an pseudo C code:</p> <pre> #define SAVE 0; #define PROC 1;  OC_SaveAndProc(val, mode,cnt) BITSTRING[8] val; INTEGER    mode,cnt; { static BITSTRING[8]  buf[7]; int i, j, n=7; if (mode == SAVE)     { cnt = cnt mod 7;       buf[cnt] = val;       return(TRUE);     } if (mode == PROC)     {     for (i=0, i&lt;6, i++)         { for (j=i+1, j&lt;7, j++)             if (buf[j] == buf[i])                 { n = n-1;                   break;                 }             }         if (n&gt;=4) then             return(TRUE)         else return (FALSE);     } } </pre> |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <p>The function of this test suite operation is :</p> <ul style="list-style-type: none"> <li>- it saves the value val into internal buffer when the mode = SAVE. 7 values will be stored in the internal buffer when the operation is invoked 7 times.</li> <li>- it compares the values stored in the internal buffer when the mode = PROC, if 4 or more than 4 of them are different the operation returns TRUE, otherwise returns FALSE.</li> </ul> |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | OC_SaveAndRetrv(val:RQR; mode :INTEGER; idx:INTEGER; ex: INTEGER)                                                                                                                                                                                                                                                                                                                                               |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RQR                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | This operation is used for storing and retrieving the random reference.                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <p>The function of this test suite operation is (in prose):</p> <ul style="list-style-type: none"> <li>- it saves the value val into internal buffer buff[idx] when the mode = SAVE and ex = 0. Maximum 8 values can be stored.</li> <li>- it returns the value stored in the internal buffer buff[idx] when the mode = RETRV and ex = 0.</li> <li>- it returns a value which is different from any value stored in the buf and also different from any values which have been returned by the consecutive invocation of this operation with ex &lt;&gt; 0, if ex &lt;&gt; 0.</li> </ul> <p>The function of this operation is defined as an pseudo C code:</p> <pre> #define SAVE 0; #define RETRV 1;  OC_SaveAndRetrv(val, mode, idx, ex) RQR      val; INTEGER  mode, idx, ex; {   int i, j;   static RQR  buff[13];   if ((mode == SAVE) AND (ex == 0))   {     buff[idx] = val;     buff[9].ra = '00000000'B;     buff[9].fn = '00'O;     buff[10].ra = '00000000'B;     buff[10].fn = '00'O;     buff[11].ra = '00000000'B;     buff[11].fn = '00'O;     buff[12].ra = '00000000'B;     buff[12].fn = '00'O;     return (buff[9]);   }   if ((mode == RETRV) AND (ex == 0))     return (buff[0]);   if (ex != 0)   {     buff[0].ra = buff[1].ra + '00000001'B;     buff[0].fn = buff[1].fn;     for (j=1, j &lt; 12, j++)     {       for (i=1, i &lt; 13, i++)         if (buff[0] == buff[i])           { buff[0].ra = buff[i].ra + '00000001'B;             break;           }     }     if (i == 13)     {       buff[idx].ra = buff[0].ra;       return (buff[0]);     }   }   buff[idx].ra = buff[j].ra+'00000001'B;   return (buff[idx]); } </pre> |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <p>0. The pseudo C code gives one of the possible implementations for the OC description in prose.</p> <p>1. '00'O should be understood as equivalence of Fn_01, a TTCN structured type constraint.</p> <p>2. The OC can save maximum 12 RQR values. In SAVE mode, idx is ranged between 1-8.</p> <p>3. For ex&lt;&gt;0, there are maximum 11 scans. In each scan a new value is assigned to buff[0].ra. If</p> |

there is a 'non-match' in one of the 11 scans the buf[0] is returned. In case of 'all-match' for the 11 scans, the pair of (buf[12].ra + '00000001', buf[idx].fn is returned (idx can be between 9 - 12).

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OC_StartTime(frmn:FN; t, i:INTEGER) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | STRT                                |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                     |
| <p>OC_StartTime operation generates the STARTING TIME IE according to the input parameters.</p> <p>(* frmn is the current frame number,<br/>t is the "delay" in applying the new frequencies,<br/>i is the contents of the starting time IE. *)</p> <pre> OC_StartTime(frmn, t, i) INTEGER t, i; FN      frmn; { int tmp; STRT strt;  tmp = 51 * ((frmn.t3 - frmn.t2) MOD 26) + frmn.t3 + 1326 * frmn.t1_ ; tmp = (tmp + t) MOD 42432; strt.fn.t1_ = (tmp DIV 1326) MOD 32; strt.fn.t2  = tmp MOD 26; strt.fn.t3  = tmp MOD 51; strt.iei = OMIT; if (i == 1) strt.iei := '01111100'B /* if i=1 the information element identifier shall be included \ </pre> |                                     |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                     |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                     |                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                     | OC_SubOctet(src:OCTETSTRING; len :INTEGER) |
| <b>Result Type:</b>                                                                                                                                                                                        | OCTETSTRING                                |
| <b>Comments:</b>                                                                                                                                                                                           |                                            |
| <b>Description</b>                                                                                                                                                                                         |                                            |
| <p>OC_SubOctet(src, len) is the octetstring of length `len` starting from the leftmost position of the source octetstring `src`.</p> <p>For example : OC_SubOctet('123456789ABCDEF'O, 4) = '12345678'O</p> |                                            |
| <b>Detailed Comments:</b>                                                                                                                                                                                  |                                            |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | OC_SubchOfFacchh(subch: EXTB; cell:CellID; inst:INTEGER) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LOGICCH                                                  |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | subch is of type BITSTRING[1]                            |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          |
| <p>OC_SubchOfFacchh operation returns a logic channel identifier for FACCHH subchannel indicated by the input parameters `subch`, `cell` and `inst`, where `subch` is the subchannel number, `cell` is the cell identifier which the channel belongs to, `inst` is the instance of the channel.</p> <p>for example:</p> <pre>OC_SubchOfFacchh('0'B, C_CellA, 1) = C_FACCHH0_A_1; OC_SubchOfFacchh('1'B, C_CellA, 1) = C_FACCHH1_A_1; OC_SubchOfFacchh('0'B, C_CellB, 1) = C_FACCHH0_B_1; OC_SubchOfFacchh('1'B, C_CellB, 1) = C_FACCHH1_B_1.</pre> <p>pseudo C code definition for the operation as following :</p> <pre>OC_SubchOfFacchh(subch, cell, inst) BITSTRING subch; CellID cell; INTEGER inst; {   LOGICCH logch;   if (subch=='0'B &amp;&amp; cell == C_CellA)     switch (inst)     {       case 1 : logch = C_FACCHH0_A_1; break;       case 2 : logch = C_FACCHH0_A_2; break;       case 3 : logch = C_FACCHH0_A_3; break;     }   if (subch=='0'B &amp;&amp; cell == C_CellB)     switch (inst)     {       case 1 : logch = C_FACCHH0_B_1; break;       case 2 : logch = C_FACCHH0_B_2; break;       case 3 : logch = C_FACCHH0_B_3; break;     }   if (subch=='0'B &amp;&amp; cell == C_CellC)     switch (inst)     {       case 1 : logch = C_FACCHH0_C_1; break;       case 2 : logch = C_FACCHH0_C_2; break;       case 3 : logch = C_FACCHH0_C_3; break;     }   if (subch=='1'B &amp;&amp; cell == C_CellA)     switch (inst)     {       case 1 : logch = C_FACCHH1_A_1; break;       case 2 : logch = C_FACCHH1_A_2; break;       case 3 : logch = C_FACCHH1_A_3; break;     }   if (subch=='1'B &amp;&amp; cell == C_CellB)     switch (inst)     {       case 1 : logch = C_FACCHH1_B_1; break;       case 2 : logch = C_FACCHH1_B_2; break;       case 3 : logch = C_FACCHH1_B_3; break;     }   if (subch=='1'B &amp;&amp; cell == C_CellC)     switch (inst)     {       case 1 : logch = C_FACCHH1_C_1; break;       case 2 : logch = C_FACCHH1_C_2; break;</pre> |                                                          |

```
        case 3 : logch = C_FACCHH1_C_3; break;
    }
    return(logch);
}
```

**Detailed Comments:**

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | OC_SubchOfSacchh(subch: EXTB; cell:CellID; inst:INTEGER) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LOGICCH                                                  |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | subch is of type BITSTRING[1]                            |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          |
| <p>OC_SubchOfSacchh operation returns a logic channel identifier for SACCHH subchannel indicated by the input parameters `subch`, `cell` and `inst`, where `subch` is the subchannel number, `cell` is the cell identifier which the channel belongs to, `inst` is the instance of the channel.</p> <p>for example:</p> <pre>OC_SubchOfSacchh('0'B, C_CellA, 1) = C_SACCHH0_A_1; OC_SubchOfSacchh('1'B, C_CellA, 1) = C_SACCHH1_A_1; OC_SubchOfSacchh('0'B, C_CellB, 1) = C_SACCHH0_B_1; OC_SubchOfSacchh('1'B, C_CellB, 1) = C_SACCHH1_B_1.</pre> <p>pseudo C code definition for the operation as following :</p> <pre>OC_SubchOfSacchh(subch, cell, inst) BITSTRING subch; CellID cell; INTEGER inst; {   LOGICCH logch;   if (subch=='0'B &amp;&amp; cell == C_CellA)     switch (inst)     {       case 1 : logch = C_SACCHH0_A_1; break;       case 2 : logch = C_SACCHH0_A_2; break;       case 3 : logch = C_SACCHH0_A_3; break;     }   if (subch=='0'B &amp;&amp; cell == C_CellB)     switch (inst)     {       case 1 : logch = C_SACCHH0_B_1; break;       case 2 : logch = C_SACCHH0_B_2; break;       case 3 : logch = C_SACCHH0_B_3; break;     }   if (subch=='0'B &amp;&amp; cell == C_CellC)     switch (inst)     {       case 1 : logch = C_SACCHH0_C_1; break;       case 2 : logch = C_SACCHH0_C_2; break;       case 3 : logch = C_SACCHH0_C_3; break;     }   if (subch=='1'B &amp;&amp; cell == C_CellA)     switch (inst)     {       case 1 : logch = C_SACCHH1_A_1; break;       case 2 : logch = C_SACCHH1_A_2; break;       case 3 : logch = C_SACCHH1_A_3; break;     }   if (subch=='1'B &amp;&amp; cell == C_CellB)     switch (inst)     {       case 1 : logch = C_SACCHH1_B_1; break;       case 2 : logch = C_SACCHH1_B_2; break;       case 3 : logch = C_SACCHH1_B_3; break;     }   if (subch=='1'B &amp;&amp; cell == C_CellC)     switch (inst)     {       case 1 : logch = C_SACCHH1_C_1; break;       case 2 : logch = C_SACCHH1_C_2; break;</pre> |                                                          |

|                                                                                                  |
|--------------------------------------------------------------------------------------------------|
| <pre>         case 3 : logch = C_SACCHH1_C_3; break;       }     }     return(logch);   } </pre> |
| <b>Detailed Comments:</b>                                                                        |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OC_SubchOfSacch4(subch: BITSTRING; cell:CellID) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | LOGICCH                                         |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                 |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                 |
| <p>OC_SubchOfSacch4 operation returns a logic channel identifier for SACCHC4 subchannel indicated by the input parameters `subch` and `cell`, where `subch` is the TDMA offset, `cell` is the cell identifier which the channel belongs to.</p> <p>for example:</p> <pre> OC_SubchOfSacch4('00'B, C_CellA) = C_SACCHC40_A; OC_SubchOfSacch4('01'B, C_CellA) = C_SACCHC41_A; OC_SubchOfSacch4('10'B, C_CellA) = C_SACCHC42_A; OC_SubchOfSacch4('11'B, C_CellA) = C_SACCHC43_A; OC_SubchOfSacch4('00'B, C_CellB) = C_SACCHC40_B; OC_SubchOfSacch4('01'B, C_CellB) = C_SACCHC41_B. </pre> <p>pseudo C code definition for the operation as following :</p> <pre> OC_SubchOfSacch4(subch, cell) BITSTRING subch; CellID cell; {   LOGICCH logch;   if (cell == C_CellA)     switch (subch)       {         case '00'B : logch = C_SACCHC40_A; break;         case '01'B : logch = C_SACCHC41_A; break;         case '10'B : logch = C_SACCHC42_A; break;         case '11'B : logch = C_SACCHC43_A; break;       }   if (cell == C_CellB)     switch (subch)       {         case '00'B : logch = C_SACCHC40_B; break;         case '01'B : logch = C_SACCHC41_B; break;         case '10'B : logch = C_SACCHC42_B; break;         case '11'B : logch = C_SACCHC43_B; break;       }   if (cell == C_CellC)     switch (subch)       {         case '00'B : logch = C_SACCHC40_C; break;         case '01'B : logch = C_SACCHC41_C; break;         case '10'B : logch = C_SACCHC42_C; break;         case '11'B : logch = C_SACCHC43_C; break;       }   return(logch); } </pre> |                                                 |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                 |



| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | OC_SubchOfSacch8(subch: B_3; cell:CellID; inst:INTEGER) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | LOGICCH                                                 |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | offset is of type BITSTRING[3]                          |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                         |
| <p>OC_SubchOfSacch8 operation returns a logic channel identifier for SACCH8 subchannel indicated by the input parameters `subch`, `cell` and `inst`, where `subch` is the TDMA offset, `cell` is the cell identifier which the channel belongs to, `inst` is the instance of the channel.</p> <p>for example:</p> <pre> OC_SubchOfSacch8('000'B, C_CellA, 1) = C_SACCHC80_A_1; OC_SubchOfSacch8('001'B, C_CellA, 1) = C_SACCHC81_A_1; OC_SubchOfSacch8('010'B, C_CellA, 1) = C_SACCHC82_A_1; OC_SubchOfSacch8('011'B, C_CellA, 1) = C_SACCHC83_A_1; OC_SubchOfSacch8('100'B, C_CellA, 1) = C_SACCHC84_A_1; OC_SubchOfSacch8('101'B, C_CellA, 1) = C_SACCHC85_A_1; OC_SubchOfSacch8('110'B, C_CellA, 1) = C_SACCHC86_A_1; OC_SubchOfSacch8('111'B, C_CellA, 1) = C_SACCHC87_A_1; OC_SubchOfSacch8('000'B, C_CellB, 1) = C_SACCHC80_B_1; OC_SubchOfSacch8('001'B, C_CellB, 1) = C_SACCHC81_B_1; OC_SubchOfSacch8('000'B, C_CellC, 2) = C_SACCHC80_C_2; OC_SubchOfSacch8('001'B, C_CellC, 2) = C_SACCHC81_C_2. </pre> <p>pseudo C code definition for the operation as following :</p> <pre> OC_SubchOfSacch8(subch, cell, inst) BITSTRING subch; CellID cell; INTEGER inst; {   LOGICCH logch;   if (inst==1 &amp;&amp; cell == C_CellA)     switch (subch)     {       case '000'B : logch = C_SACCHC80_A_1; break;       case '001'B : logch = C_SACCHC81_A_1; break;       case '010'B : logch = C_SACCHC82_A_1; break;       case '011'B : logch = C_SACCHC83_A_1; break;       case '100'B : logch = C_SACCHC84_A_1; break;       case '101'B : logch = C_SACCHC85_A_1; break;       case '110'B : logch = C_SACCHC86_A_1; break;       case '111'B : logch = C_SACCHC87_A_1; break;     }   if (inst==2 &amp;&amp; cell == C_CellA)     switch (subch)     {       case '000'B : logch = C_SACCHC80_A_2; break;       case '001'B : logch = C_SACCHC81_A_2; break;       case '010'B : logch = C_SACCHC82_A_2; break;       case '011'B : logch = C_SACCHC83_A_2; break;       case '100'B : logch = C_SACCHC84_A_2; break;       case '101'B : logch = C_SACCHC85_A_2; break;       case '110'B : logch = C_SACCHC86_A_2; break;       case '111'B : logch = C_SACCHC87_A_2; break;     }   if (inst==3 &amp;&amp; cell == C_CellA)     switch (subch)     {       case '000'B : logch = C_SACCHC80_A_3; break;       case '001'B : logch = C_SACCHC81_A_3; break;       case '010'B : logch = C_SACCHC82_A_3; break;       case '011'B : logch = C_SACCHC83_A_3; break;       case '100'B : logch = C_SACCHC84_A_3; break; </pre> |                                                         |

```

    case '101'B : logch = C_SACCHC85_A_3; break;
    case '110'B : logch = C_SACCHC86_A_3; break;
    case '111'B : logch = C_SACCHC87_A_3; break;
  }
if (inst==1 && cell == C_CellB)
  switch (subch)
  {
    case '000'B : logch = C_SACCHC80_B_1; break;
    case '001'B : logch = C_SACCHC81_B_1; break;
    case '010'B : logch = C_SACCHC82_B_1; break;
    case '011'B : logch = C_SACCHC83_B_1; break;
    case '100'B : logch = C_SACCHC84_B_1; break;
    case '101'B : logch = C_SACCHC85_B_1; break;
    case '110'B : logch = C_SACCHC86_B_1; break;
    case '111'B : logch = C_SACCHC87_B_1; break;
  }
if (inst==2 && cell == C_CellB)
  switch (subch)
  {
    case '000'B : logch = C_SACCHC80_B_2; break;
    case '001'B : logch = C_SACCHC81_B_2; break;
    case '010'B : logch = C_SACCHC82_B_2; break;
    case '011'B : logch = C_SACCHC83_B_2; break;
    case '100'B : logch = C_SACCHC84_B_2; break;
    case '101'B : logch = C_SACCHC85_B_2; break;
    case '110'B : logch = C_SACCHC86_B_2; break;
    case '111'B : logch = C_SACCHC87_B_2; break;
  }
if (inst==3 && cell == C_CellB)
  switch (subch)
  {
    case '000'B : logch = C_SACCHC80_B_3; break;
    case '001'B : logch = C_SACCHC81_B_3; break;
    case '010'B : logch = C_SACCHC82_B_3; break;
    case '011'B : logch = C_SACCHC83_B_3; break;
    case '100'B : logch = C_SACCHC84_B_3; break;
    case '101'B : logch = C_SACCHC85_B_3; break;
    case '110'B : logch = C_SACCHC86_B_3; break;
    case '111'B : logch = C_SACCHC87_B_3; break;
  }
if (inst==1 && cell == C_CellC)
  switch (subch)
  {
    case '000'B : logch = C_SACCHC80_C_1; break;
    case '001'B : logch = C_SACCHC81_C_1; break;
    case '010'B : logch = C_SACCHC82_C_1; break;
    case '011'B : logch = C_SACCHC83_C_1; break;
    case '100'B : logch = C_SACCHC84_C_1; break;
    case '101'B : logch = C_SACCHC85_C_1; break;
    case '110'B : logch = C_SACCHC86_C_1; break;
    case '111'B : logch = C_SACCHC87_C_1; break;
  }
if (inst==2 && cell == C_CellC)
  switch (subch)
  {
    case '000'B : logch = C_SACCHC80_C_2; break;
    case '001'B : logch = C_SACCHC81_C_2; break;
    case '010'B : logch = C_SACCHC82_C_2; break;
    case '011'B : logch = C_SACCHC83_C_2; break;
    case '100'B : logch = C_SACCHC84_C_2; break;
    case '101'B : logch = C_SACCHC85_C_2; break;
    case '110'B : logch = C_SACCHC86_C_2; break;
    case '111'B : logch = C_SACCHC87_C_2; break;
  }
if (inst==3 && cell == C_CellC)

```

```
switch (subch)
{
  case '000'B : logch = C_SACCHC80_C_3; break;
  case '001'B : logch = C_SACCHC81_C_3; break;
  case '010'B : logch = C_SACCHC82_C_3; break;
  case '011'B : logch = C_SACCHC83_C_3; break;
  case '100'B : logch = C_SACCHC84_C_3; break;
  case '101'B : logch = C_SACCHC85_C_3; break;
  case '110'B : logch = C_SACCHC86_C_3; break;
  case '111'B : logch = C_SACCHC87_C_3; break;
}
return(logch);
}
```

**Detailed Comments:**

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | OC_SubchOfSdcch4(subch: BITSTRING; cell:CellID) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | LOGICCH                                         |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                 |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                 |
| <p>OC_SubchOfSdcch4 operation returns a logic channel identifier for SDCCH4 subchannel indicated by the input parameters `subch` and `cell`, where `subch` is the TDMA offset, `cell` is the cell identifier which the channel belongs to.</p> <p>for example:</p> <pre> OC_SubchOfSdcch4('00'B, C_CellA) = C_SDCCH40_A; OC_SubchOfSdcch4('01'B, C_CellA) = C_SDCCH41_A; OC_SubchOfSdcch4('10'B, C_CellA) = C_SDCCH42_A; OC_SubchOfSdcch4('11'B, C_CellA) = C_SDCCH43_A; OC_SubchOfSdcch4('00'B, C_CellB) = C_SDCCH40_B; OC_SubchOfSdcch4('01'B, C_CellB) = C_SDCCH41_B.</pre> <p>pseudo C code definition for the operation as following :</p> <pre> OC_SubchOfSdcch4(subch, cell) BITSTRING subch; CellID cell; {     LOGICCH logch;     if (cell == C_CellA)         switch (subch)         {             case '00'B : logch = C_SDCCH40_A; break;             case '01'B : logch = C_SDCCH41_A; break;             case '10'B : logch = C_SDCCH42_A; break;             case '11'B : logch = C_SDCCH43_A; break;         }     if (cell == C_CellB)         switch (subch)         {             case '00'B : logch = C_SDCCH40_B; break;             case '01'B : logch = C_SDCCH41_B; break;             case '10'B : logch = C_SDCCH42_B; break;             case '11'B : logch = C_SDCCH43_B; break;         }     if (cell == C_CellC)         switch (subch)         {             case '00'B : logch = C_SDCCH40_C; break;             case '01'B : logch = C_SDCCH41_C; break;             case '10'B : logch = C_SDCCH42_C; break;             case '11'B : logch = C_SDCCH43_C; break;         }     return(logch); }</pre> |                                                 |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                 |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | OC_SubchOfSdcch8(subch: B_3; cell:CellID; inst:INTEGER) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | LOGICCH                                                 |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | offset is of type BITSTRING[3]                          |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                         |
| <p>OC_SubchOfSdcch8 operation returns a logic channel identifier for SDCCH8 subchannel indicated by the input parameters `subch`, `cell` and `inst`, where `subch` is the TDMA offset, `cell` is the cell identifier which the channel belongs to, `inst` is the instance of the channel.</p> <p>for example:</p> <pre> OC_SubchOfSdcch8('000'B, C_CellA, 1) = C_SDCCH80_A_1; OC_SubchOfSdcch8('001'B, C_CellA, 1) = C_SDCCH81_A_1; OC_SubchOfSdcch8('010'B, C_CellA, 1) = C_SDCCH82_A_1; OC_SubchOfSdcch8('011'B, C_CellA, 1) = C_SDCCH83_A_1; OC_SubchOfSdcch8('100'B, C_CellA, 1) = C_SDCCH84_A_1; OC_SubchOfSdcch8('101'B, C_CellA, 1) = C_SDCCH85_A_1; OC_SubchOfSdcch8('110'B, C_CellA, 1) = C_SDCCH86_A_1; OC_SubchOfSdcch8('111'B, C_CellA, 1) = C_SDCCH87_A_1; OC_SubchOfSdcch8('000'B, C_CellB, 1) = C_SDCCH80_B_1; OC_SubchOfSdcch8('001'B, C_CellB, 1) = C_SDCCH81_B_1; OC_SubchOfSdcch8('000'B, C_CellC, 2) = C_SDCCH80_C_2; OC_SubchOfSdcch8('001'B, C_CellC, 2) = C_SDCCH81_C_2.</pre> <p>pseudo C code definition for the operation as following :</p> <pre> OC_SubchOfSdcch8(subch, cell, inst) BITSTRING subch; CellID cell; INTEGER inst; {   LOGICCH logch;   if (inst==1 &amp;&amp; cell == C_CellA)     switch (subch)     {       case '000'B : logch = C_SDCCH80_A_1; break;       case '001'B : logch = C_SDCCH81_A_1; break;       case '010'B : logch = C_SDCCH82_A_1; break;       case '011'B : logch = C_SDCCH83_A_1; break;       case '100'B : logch = C_SDCCH84_A_1; break;       case '101'B : logch = C_SDCCH85_A_1; break;       case '110'B : logch = C_SDCCH86_A_1; break;       case '111'B : logch = C_SDCCH87_A_1; break;     }   if (inst==2 &amp;&amp; cell == C_CellA)     switch (subch)     {       case '000'B : logch = C_SDCCH80_A_2; break;       case '001'B : logch = C_SDCCH81_A_2; break;       case '010'B : logch = C_SDCCH82_A_2; break;       case '011'B : logch = C_SDCCH83_A_2; break;       case '100'B : logch = C_SDCCH84_A_2; break;       case '101'B : logch = C_SDCCH85_A_2; break;       case '110'B : logch = C_SDCCH86_A_2; break;       case '111'B : logch = C_SDCCH87_A_2; break;     }   if (inst==3 &amp;&amp; cell == C_CellA)     switch (subch)     {       case '000'B : logch = C_SDCCH80_A_3; break;       case '001'B : logch = C_SDCCH81_A_3; break;       case '010'B : logch = C_SDCCH82_A_3; break;       case '011'B : logch = C_SDCCH83_A_3; break;       case '100'B : logch = C_SDCCH84_A_3; break;</pre> |                                                         |

```

    case '101'B : logch = C_SDCCH85_A_3; break;
    case '110'B : logch = C_SDCCH86_A_3; break;
    case '111'B : logch = C_SDCCH87_A_3; break;
  }
if (inst==1 && cell == C_CellB)
  switch (subch)
  {
    case '000'B : logch = C_SDCCH80_B_1; break;
    case '001'B : logch = C_SDCCH81_B_1; break;
    case '010'B : logch = C_SDCCH82_B_1; break;
    case '011'B : logch = C_SDCCH83_B_1; break;
    case '100'B : logch = C_SDCCH84_B_1; break;
    case '101'B : logch = C_SDCCH85_B_1; break;
    case '110'B : logch = C_SDCCH86_B_1; break;
    case '111'B : logch = C_SDCCH87_B_1; break;
  }
if (inst==2 && cell == C_CellB)
  switch (subch)
  {
    case '000'B : logch = C_SDCCH80_B_2; break;
    case '001'B : logch = C_SDCCH81_B_2; break;
    case '010'B : logch = C_SDCCH82_B_2; break;
    case '011'B : logch = C_SDCCH83_B_2; break;
    case '100'B : logch = C_SDCCH84_B_2; break;
    case '101'B : logch = C_SDCCH85_B_2; break;
    case '110'B : logch = C_SDCCH86_B_2; break;
    case '111'B : logch = C_SDCCH87_B_2; break;
  }
if (inst==3 && cell == C_CellB)
  switch (subch)
  {
    case '000'B : logch = C_SDCCH80_B_3; break;
    case '001'B : logch = C_SDCCH81_B_3; break;
    case '010'B : logch = C_SDCCH82_B_3; break;
    case '011'B : logch = C_SDCCH83_B_3; break;
    case '100'B : logch = C_SDCCH84_B_3; break;
    case '101'B : logch = C_SDCCH85_B_3; break;
    case '110'B : logch = C_SDCCH86_B_3; break;
    case '111'B : logch = C_SDCCH87_B_3; break;
  }
if (inst==1 && cell == C_CellC)
  switch (subch)
  {
    case '000'B : logch = C_SDCCH80_C_1; break;
    case '001'B : logch = C_SDCCH81_C_1; break;
    case '010'B : logch = C_SDCCH82_C_1; break;
    case '011'B : logch = C_SDCCH83_C_1; break;
    case '100'B : logch = C_SDCCH84_C_1; break;
    case '101'B : logch = C_SDCCH85_C_1; break;
    case '110'B : logch = C_SDCCH86_C_1; break;
    case '111'B : logch = C_SDCCH87_C_1; break;
  }
if (inst==2 && cell == C_CellC)
  switch (subch)
  {
    case '000'B : logch = C_SDCCH80_C_2; break;
    case '001'B : logch = C_SDCCH81_C_2; break;
    case '010'B : logch = C_SDCCH82_C_2; break;
    case '011'B : logch = C_SDCCH83_C_2; break;
    case '100'B : logch = C_SDCCH84_C_2; break;
    case '101'B : logch = C_SDCCH85_C_2; break;
    case '110'B : logch = C_SDCCH86_C_2; break;
    case '111'B : logch = C_SDCCH87_C_2; break;
  }
if (inst==3 && cell == C_CellC)

```

```

switch (subch)
{
  case '000'B : logch = C_SDCCH80_C_3; break;
  case '001'B : logch = C_SDCCH81_C_3; break;
  case '010'B : logch = C_SDCCH82_C_3; break;
  case '011'B : logch = C_SDCCH83_C_3; break;
  case '100'B : logch = C_SDCCH84_C_3; break;
  case '101'B : logch = C_SDCCH85_C_3; break;
  case '110'B : logch = C_SDCCH86_C_3; break;
  case '111'B : logch = C_SDCCH87_C_3; break;
}
return(logch);
}

```

**Detailed Comments:**

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | OC_TimingCHK(fn1, fn2:FN; time, tol, mode:INTEGER)                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | BOOLEAN                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Time unit is in ms.                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <p>OC_TimingCHK operation checks if a certain event took place fulfilling the timing requirements described by the time, the tolerance, and the mode between the frame numbers fn1 and fn2 .</p> <p>The frame numbers fn1 and fn2 are used to calculate the time elapsed:<br/>           First the number of frames between fn1 and fn2 is calculated. The frame numbers fn1 and fn2 can be calculated from T1' as frame numbers mod 42432 only (T1' is specified in GSM 04.08, e.g. in subclauses 10.5.2.30 or 10.5.2.38). Therefore the frames fn1 and fn2 must be either in the same group of 42432 frames or in adjacent groups of 42432 frames with a maximum distance of 42432 frames between them. This means that the calculation is correct if the time between fn1 and fn2 is less then 196 seconds (approximately). The number of frames between fn1 and fn2 is calculated by:<br/>           fn1 &lt; fn2: fn_delta := fn2 - fn1<br/>           fn1 &gt; fn2: fn_delta := fn2 - fn1 + 42432 (In that case fn2 is in the next group of 42432 frames),<br/>           One frame is equivalent to 4.615 ms, the time in ms between fn1 and fn2 is:<br/>           time_delta := fn_delta * 4.615</p> <p>The time_delta is then compared with the requirements given by 'time', the tolerance 'tol' and the 'mode'.<br/>           The mode specifies how the tolerance parameters 'time' and 'tol' have to be interpreted:<br/>           mode = 0:<br/>           If the elapsed time is within 'time' the operation returns TRUE, otherwise it returns FALSE. The tolerance value is ignored.<br/>           The result of OC_TimingCHK is calculated by:<br/>             IF time_delta &lt;= time, OC_TimingCHK := TRUE<br/>             IF time_delta &gt; time, OC_TimingCHK := FALSE<br/>           mode = 1:<br/>           The tolerance value is the time tolerance expressed in ms. If the elapsed time interval is within 'time'-'tol' to 'time'+ 'tol' the operation returns TRUE, otherwise it returns FALSE.<br/>           The result of OC_TimingCHK is calculated by:<br/>             IF time - tol &lt;= time_delta &lt;= time + tol, OC_TimingCHK := TRUE<br/>             IF (time_delta &lt; time - tol) OR (time_delta &gt; time + tol), OC_TimingCHK := FALSE<br/>           mode = 2:<br/>           The tolerance value is the the tolerance percentage relative to 'time'. If the time interval is within 'time'-'tol'% to 'time'+ 'tol'% the operation returns TRUE, otherwise it returns FALSE.<br/>           The result of OC_TimingCHK is calculated by:<br/>             IF time * (1 - (tol/100)) &lt;= time_delta &lt;= time * (1 + (tol/100)), OC_TimingCHK := TRUE<br/>             IF (time_delta &lt; time * (1 - (tol/100))) OR (time_delta &gt; time * (1 + (tol/100))), OC_TimingCHK := FALSE<br/>           Any other value for the mode shall leads OC_TimingCHK := FALSE.</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <p>In OC_TimingCHK, fn1 denotes<br/>           (1) the first frame number for sending PhyInfo message or handover command message, or<br/>           (2) the first frame number of the received handover access message.<br/>           while fn2 denotes the first received frame number of the received handover complete message.<br/>           The TSO is not implemented in the TTCN stand alone tester in the short term.</p> |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | OM_2Msgs(ch:LOGICCH; pgg:PGG; mode:SENDINGMODE) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | BOOLEAN                                         |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                 |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                 |
| OM_2Msgs puts the layer 2 emulator into a special operation mode then returns. In this special mode the layer 2 emulator sends the next two consecutive messages in the following way:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                 |
| <ul style="list-style-type: none"><li>- send the first message on the paging subchannel indicated by the `pgg`;</li><br/><li>- if the `mode` = C_NxtButOne, send the second message in the next but one paging sub block;</li><li>- if the `mode` = C_FmrAGB, send the second message in a former access grant block;</li><li>- if the `mode` = C_BfReOcc, send the second message before the MS's original paging subchannel re-occurs but later than the next paging block of that CCCH (paging block not belong to the MS);</li><li>- if the `mode` = C_NxtButOneNxt, nothing is sent in the next but one paging sub block, then send the second message in the next paging subblock of the MS's paging subchannel.</li></ul> |                                                 |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                 |



| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | OM_Assoc(lgch1:LOGICCH; sublgch1:LOGICCH; sublgch2:LOGICCH; sublgch3:LOGICCH; sublgch4:LOGICCH; sublgch5:LOGICCH; sublgch6:LOGICCH; sublgch7: LOGICCH; sublgch8:LOGICCH; lgch2:LOGICCH; sublgch9:LOGICCH; sublgch10:LOGICCH; sublgch11:LOGICCH; sublgch12:LOGICCH; sublgch13:LOGICCH; sublgch14:LOGICCH; sublgch15: LOGICCH; sublgch16:LOGICCH) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | BOOLEAN                                                                                                                                                                                                                                                                                                                                         |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                 |
| <p>OM_Assoc operation associates the sub logic channel identifiers `sublgch1` to `sublgch8` and `sublgch9` to `sublgch16` with the generic "parent" channel identifier `lgch1` and `lgch2` respectively, therefore the subchannel identifiers can refer to the corresponding channels configured by OM_ChConf operation.</p> <p>The `lgch1` can be an identifier for SDCCH4, SDCCH8, FACCH and the `lgch2` can be SACCHC4, SACCHC8, and SACCHH.</p> <p>"dummy" in the actual parameter list means the corresponding parameter is not used.</p> <p>Naming convention for logical channel constants:</p> <p style="text-align: center;">C_&lt;channel type&gt;[&lt;rate&gt;][&lt;subchannel&gt;][&lt;cell&gt;][&lt;instance&gt;]</p> <p>e.g.: C_FACCH H 0 _C _3 =&gt; C_FACCH0_C_3</p> <p>channel type: FCCH, SCH, BCCH, CBCH, PCH, RACH, FACCH, SACCH, SDCCH, DCCH</p> <p>rate: F(ull), H(alf), 4 (fourths, C4 for SACCHC4), 8 (eighths, C8 for SACCHC8).</p> <p>subchannel: H: 0, 1<br/>(C)4: 0, ..., 3<br/>(C)8: 0, ..., 7</p> <p>cell: A, ..., H</p> <p>instance: 1, ..., 3 When several channels of the same type can exist in one cell simultaneously (in different time slots and / or on different frequencies) they are identified by their instance. The parameters of ChConf are used to specify the frequency and slot of this instance of the channel type.</p> <p>Not all possible combinations of this naming syntax have been used. According to the elements that are used / omitted the name can have a special meaning.</p> <p>Examples:                      Comments:</p> <p>C_FCCH_A                      FCCH of cell A.<br/> C_SCH_A                        SCH of cell A.<br/> C_BCCH_A_1                    First instance of a BCCH in cell A.<br/> C_CBCH_A                      CBCH of cell A.<br/> C_PCH_A_1                     First instance of a PCH in cell A (there is one instance of the PCH per BCCH in the cell).<br/> C_AGCH_A_1                    First instance of a AGCH in cell A (there is one instance of the AGCH per BCCH in the cell).<br/> C_RACH_A_1                    First instance of a RACH in cell A.<br/> C_FACCHF_A_1                 First instance of a full rate FACCH in cell A.<br/> C_FACCHH_A_1                 First instance of a half rate FACCH in cell A (all subchannels).<br/> C_FACCHH0_A_1                Subchannel 0 of the first instance of a half rate FACCH in cell A.<br/> C_SACCHF_A_1                 First instance of a full rate SACCH in cell A.<br/> C_SACCHH_A_1                 First instance of a half rate SACCH in cell A (all subchannels).<br/> C_SACCHH1_A_1                Subchannel 1 of the first instance of a half rate SACCH in cell A.<br/> C_SACCHC4_A                 SACCH/4 of cell A (all subchannels).<br/> C_SACCHC43_A                Subchannel 3 of the SACCH/4 of cell A.<br/> C_SACCHC8_A_1                First instance of a SACCH/8 in cell A (all subchannels).<br/> C_SACCHC87_A_1               Subchannel 7 of the first instance of a SACCH/8 in cell A.<br/> C_SDCCH4_A                    SDCCH/4 of cell A (all subchannels).<br/> C_SDCCH42_A                 Subchannel 2 of the SDCCH/4 of cell A.<br/> C_SDCCH87_A_1                First instance of a SDCCH/8 in cell A (all subchannels).<br/> C_SDCCH87_A_1                Subchannel 7 of the first instance of a SDCCH/8 in cell A.</p> |                                                                                                                                                                                                                                                                                                                                                 |

This list covers all types of combinations used in the TTCN for the time being.

When the meaning refers to 'all' subchannels of a channel (eg. C\_FACCHH\_A\_1), it means that all active subchannels of this channel activated previously by OM\_ChConf, are associated with a logical channel identifier in the OM\_Assoc.

**Detailed Comments:**

#### Test Suite Operation Definition

**Operation Name:** OM\_BmInfo(ch:LOGICCH; itc:B\_3)  
**Result Type:** BOOLEAN  
**Comments:** itc is of type BITSTRING[3], itc is a part of the bearer capabilities IE

#### Description

OM\_BmInfo operation checks whether the MS stops transmitting Bm channel information according to the information transfer capability `itc`, and transmits the Bm channel information in another information transfer capability instead. The operation returns FALSE if the MS transmits Bm channel information according to the information transfer capability `itc`. If, instead, it transmits the Bm channel information in another information transfer capability it returns TRUE.

**Detailed Comments:**

#### Test Suite Operation Definition

**Operation Name:** OM\_ChangeRFOf2Cells(cellid1 :CellID; bspwr1:INTEGER; cellid2 :CellID; bspwr2:INTEGER)  
**Result Type:** BOOLEAN  
**Comments:**

#### Description

This operation is to change the RF level of cell 'cellid1' to RF level 'bspwr1' and the RF level of cell 'cellid2' to RF level 'bspwr2' [dBuVemf], then returns.

**Detailed Comments:**

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                   |
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| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | OM_ChConf(bspwr: INTEGER; mspwr:INTEGER; acttype:BITSTRING; chmod:CHMOD; ta:TA; slot:SN; tsc:TSC; rf:FRQPARA; chcmbn:LOGCH; td:INTEGER; fn:INTEGER; babr, cch_con, bpm:B_3; pgfil:PG1_RQ_PDU; dtxu:BITSTRING; dtxd:BITSTRING; cell:CellID; lgch1:LOGICCH; lgch2:LOGICCH; lgch3:LOGICCH; lgch4:LOGICCH; lgch5:LOGICCH; lgch6:LOGICCH; lgch7:LOGICCH; lgch8:LOGICCH; lgch9:LOGICCH) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | BOOLEAN                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                   |
| <p>The operation sets the configuration of a basic physical channel according to the input parameters and map logic channel combination onto it:</p> <ul style="list-style-type: none"> <li>- bspwr: base station power level in dBuv;</li> <li>- mspwr: mobile station power level in "power control level";</li> <li>- acttype: type of activation:                             <ul style="list-style-type: none"> <li>- '000'B activation for intra-cell channel change ---- immediate assignment;</li> <li>- '001'B activation for intra-cell channel change ---- assignment;</li> <li>- '010'B activation for inter-cell channel change ---- asynchronous handover;</li> <li>- '011'B activation for inter-cell channel change ---- synchronous handover;</li> <li>- '100'B activation for additional assignment;</li> </ul> <p style="margin-left: 20px;">NOTE: the types defined above are all the same, no real difference</p> <ul style="list-style-type: none"> <li>- '101'B activation for receiving only;</li> </ul> </li> <li>- chmod: channel mode;</li> <li>- ta: timing advance;</li> <li>- slot: time slot;</li> <li>- tsc: Training sequence code for normal bursts;</li> <li>- rf: ARFCN or hopping parameters;</li> <li>- chcmbn: logic channel combination mapping to the physical channel;</li> <li>- td: timing difference between the cell and conceptual timing reference;</li> <li>- fn: initial frame number offset to the timing base counter;</li> <li>- babr number of blocks reserved for access grant</li> <li>- cch-con CCCH/SDCCHs configuration</li> <li>- bpm multiframe period for transmission of PAGING REQUEST</li> <li>- pgfil: paging filling contents;</li> <li>- dtxu: mobile station discontinuous transmission:                             <ul style="list-style-type: none"> <li>- '0'B mobile station discontinuous transmission is not applied;</li> <li>- '1'B mobile station discontinuous transmission is applied;</li> </ul> </li> <li>- dtxd: base station discontinuous transmission:                             <ul style="list-style-type: none"> <li>- '0'B base station discontinuous transmission is not applied;</li> <li>- '1'B base station discontinuous transmission is applied;</li> </ul> </li> <li>- cell: cell identifier;</li> <li>- lgch1: logic channel identifier for the channel FCCH;</li> <li>- lgch2: logic channel identifier for the channel SCH;</li> <li>- lgch3: logic channel identifier for the channel BCCH;</li> <li>- lgch4: logic channel identifier for the channel PCH;</li> <li>- lgch5: logic channel identifier for the channel AGCH;</li> <li>- lgch6: logic channel identifier for the channel RACH;</li> <li>- lgch7: logic channel identifier for the channel FACCH or SDCCH;</li> <li>- lgch8: logic channel identifier for the channel SACCH;</li> <li>- lgch9: logic channel identifier for the channel CBCH;</li> </ul> <p>For parameters lgch1 to lgch9 "dummy" in the actual parameter list means that the corresponding parameters are not used.</p> <p>In the test cases the logic channel identifiers lgch1 to lgch9 are used to refer the logic channels configured by the operation. There are only generic identifiers for SDCCH4 or SDCCH8 or FACCHH channel and SACCHC4 or SACCHC8 or SACCHH, identifiers for subchannels of SDCCH4 or SDCCH8 or FACCHH and SACCHC4 or SACCHC8 or SACCHH are linked to the generic identifiers by OM_Assoc operation and in turn refer to the sub logic channels configured by the operation.</p> |                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                   |

| <b>Test Suite Operation Definition</b>                                                                                                                                                   |                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                   | OM_ChMdModi(ch:LOGICCH; chmod: CHMOD) |
| <b>Result Type:</b>                                                                                                                                                                      | BOOLEAN                               |
| <b>Comments:</b>                                                                                                                                                                         |                                       |
| <b>Description</b>                                                                                                                                                                       |                                       |
| OM_ChMdModi operation passes channel mode IE for channel `ch` to lower layer emulator and requests the emulator to set the `ch` to the mode `chmod`. After the mode changed, it returns. |                                       |
| <b>Detailed Comments:</b>                                                                                                                                                                |                                       |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                         |                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                         | OM_CphMdChg(ch:LOGICCH; cphmod: CPHMS; key:BITSTRING) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                            | BOOLEAN                                               |
| <b>Comments:</b>                                                                                                                                                                                                                                                               |                                                       |
| <b>Description</b>                                                                                                                                                                                                                                                             |                                                       |
| OM_CphMdChg operation passes ciphering parameters for channel `ch` to lower layer and sets the lower layer emulator into a special operation mode in which lower layer starts the 3-step ciphering mode setting sequence when the next L3 message on the channel `ch` arrives. |                                                       |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                      |                                                       |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                               |                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                               | OM_CphMd(ch:LOGICCH; cphmod: CPHMS; key:BITSTRING) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                  | BOOLEAN                                            |
| <b>Comments:</b>                                                                                                                                                                                                                                                                     |                                                    |
| <b>Description</b>                                                                                                                                                                                                                                                                   |                                                    |
| OM_CphMd operation passes ciphering parameters for channel `ch` to lower layer and sets the channel `ch` in the ciphering mode `cphmod`. This operation puts the channel `ch` into specified ciphering mode `cphmod` immediately without the 3-step ciphering mode setting sequence. |                                                    |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                            |                                                    |

| <b>Test Suite Operation Definition</b>                                                                                                                                         |                                                                                                                                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                         | OM_ComingFn(ch:LOGICCH)                                                                                                                                                                                              |
| <b>Result Type:</b>                                                                                                                                                            | FN                                                                                                                                                                                                                   |
| <b>Comments:</b>                                                                                                                                                               |                                                                                                                                                                                                                      |
| <b>Description</b>                                                                                                                                                             |                                                                                                                                                                                                                      |
| OM_ComingFn operation returns the frame number (FN modulo 42432) which is about 5 seconds later than current frame number and is able to carry L3 message on the channel `ch`. |                                                                                                                                                                                                                      |
| <b>Detailed Comments:</b>                                                                                                                                                      | The delay of about 5 seconds ensures that there is still enough time left for higher layer controller to prepare next TTCN send event after the OM_ComingFn returns. the exact delay value is up to the implementor. |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | OM_Deactivate(ch1, ch2:LOGICCH; mod:DeactMode)                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | BOOLEAN                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <p>OM_Deactivate and OM_Reactivate are a pair of TSOs.</p> <p>OM_Deactivate operation deactivates the logical channels `ch1` and `ch2`, then returns TRUE. If the logical channel is not in use in the TSO a "dummy" value is assigned to the channel. The logic channel is deactivated until either OM_Reactivate is called or till the end of the calling test case. The parameter 'mod' controls whether the deactivation of the channels in downlink or in uplink.</p> <p>mod=0, for downlink; mod=1 for uplink; mod= 2 for both downlink and uplink. Any other values are not used.</p> <p>The types of the active logical channel in the parameter list can be SDCCH/4, SDCCH/8, FACCH/F, FACCH/H or SACCH_TH, SACCH_TF, SACCH/C4, SACCH/C8.</p> <p>Deactivation of an active DCCH channel stops the L1 in the tester to transfer any L2 frames when mod=0 or 2, or stops monitoring on the channels when mod=1 or 2.</p> <p>Deactivation of an active downlink SACCH means to transmit the bad blocks by setting the parity bits incorrectly (they shall not be calculated). The TSO will lead to the MS being unable to receive the SACCH.</p> |                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <p>The TSO is called in</p> <p>TC_26_6_8_4 for deactivation of a SDCCH/4 channel in both directions,</p> <p>TC_26_7_3_2 for deactivation of SACCH/C4 channel in downlink,</p> <p>TC_26_2_4_1, TC_26_2_4_2 on TCH/SACCH_T in both directions,</p> <p>TC_26_7_4_3_2, TC_26_7_4_3_3, TC_26_7_4_3_4 on a SDCCH/4 channel in downlink,</p> <p>TC_26_8_2_1, TC_26_8_2_2, TC_26_8_2_3 on TCH/SACCH_T channel in both directions.</p> |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                            |                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                            | OM_FHCHK(ch:LOGICCH) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                               | BOOLEAN              |
| <b>Comments:</b>                                                                                                                                                                                                                                                                  |                      |
| <b>Description</b>                                                                                                                                                                                                                                                                |                      |
| <p>Having been configured correctly for the frequency hopping the SS checks whether correct L2 frames are continuously received from the mobile for a period of at least 3 seconds. The TSO returns TRUE when the result of the check is correct, otherwise it returns FALSE.</p> |                      |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                         |                      |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                             |                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                             | OM_FreqDef(st:STRT; ma:MA; ch :LOGICCH; chd: CHD; ca:CCHD) |
| <b>Result Type:</b>                                                                                                                                                                                                | BOOLEAN                                                    |
| <b>Comments:</b>                                                                                                                                                                                                   |                                                            |
| <b>Description</b>                                                                                                                                                                                                 |                                                            |
| <p>OM_FreqDef operation passes the frequency hopping parameters for channel `ch` to lower layer emulator. The emulator shall start using these parameters at the frame number indicated by starting time `st`.</p> |                                                            |
| <b>Detailed Comments:</b>                                                                                                                                                                                          |                                                            |

| <b>Test Suite Operation Definition</b>                                                                                                                                                    |                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <b>Operation Name:</b>                                                                                                                                                                    | OM_GetHoaccPara(ch:LOGICCH) |
| <b>Result Type:</b>                                                                                                                                                                       | L1HD                        |
| <b>Comments:</b>                                                                                                                                                                          |                             |
| <b>Description</b>                                                                                                                                                                        |                             |
| <p>OM_GetHoaccPara instructs the L 2 emulator to get the timing advance and power level of the handover access burst on channel `ch` and return this value in the format of L 1 head.</p> |                             |
| <b>Detailed Comments:</b>                                                                                                                                                                 |                             |

| Test Suite Operation Definition                                                                                                      |                        |
|--------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| <b>Operation Name:</b>                                                                                                               | OM_GetL1Hd(ch:LOGICCH) |
| <b>Result Type:</b>                                                                                                                  | L1HD                   |
| <b>Comments:</b>                                                                                                                     |                        |
| Description                                                                                                                          |                        |
| OM_GetL1Hd instructs the L 2 emulator to read the L 1 header of the next SACCH frame received on channel `ch` and return this value. |                        |
| <b>Detailed Comments:</b>                                                                                                            |                        |

| Test Suite Operation Definition                                                                      |                                |
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| <b>Operation Name:</b>                                                                               | OM_IncrRFofCell(cellid:CellID) |
| <b>Result Type:</b>                                                                                  | BOOLEAN                        |
| <b>Comments:</b>                                                                                     |                                |
| Description                                                                                          |                                |
| This operation is to increase the RF level of cell `cellid` so that the MS selects it, then returns. |                                |
| <b>Detailed Comments:</b>                                                                            |                                |

| Test Suite Operation Definition                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                           |
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| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | OM_L2FillFrmCHK(ch:LOGICCH; str: BOOLEAN) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | BOOLEAN                                   |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           |
| This TSO checks that the MS does not send any L3 message on the main signalling link but still continues sending L2 fill frames on the logic channel `ch`. The first call of the TSO passing the TRUE value to `str` starts L2 fill frame checking. The second call of the TSO passing the FALSE value to the `str` stops checking. The TSO returns TRUE if only valid L2 fill frames on the channel `ch` were correctly received between the two calls. The TSO returns FALSE otherwise. |                                           |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | The TSO is called in TC_26_5_3_3.         |

| Test Suite Operation Definition                                                                                                                                                                                  |                            |
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| <b>Operation Name:</b>                                                                                                                                                                                           | OM_L2FrameRcvd(ch:LOGICCH) |
| <b>Result Type:</b>                                                                                                                                                                                              | BOOLEAN                    |
| <b>Comments:</b>                                                                                                                                                                                                 |                            |
| Description                                                                                                                                                                                                      |                            |
| This operation checks whether any L2 frame has been received on the logic channel `ch`, since last invocation of the operation. It returns TRUE if there is L2 frame on the channel, it returns FALSE otherwise. |                            |
| <b>Detailed Comments:</b>                                                                                                                                                                                        |                            |

| Test Suite Operation Definition                                                                                                |                               |
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| <b>Operation Name:</b>                                                                                                         | OM_LowerLayerFail(ch:LOGICCH) |
| <b>Result Type:</b>                                                                                                            | BOOLEAN                       |
| <b>Comments:</b>                                                                                                               |                               |
| Description                                                                                                                    |                               |
| This operation is to force the lower layer failure, then it returns.                                                           |                               |
| The lower layer failure can be any one of layer 1 failures or layer 2 failures.                                                |                               |
| <ul style="list-style-type: none"> <li>- layer 1 failure, see GSM 05.08;</li> <li>- layer 2 failure, see GSM 04.06.</li> </ul> |                               |
| <b>Detailed Comments:</b>                                                                                                      |                               |

| <b>Test Suite Operation Definition</b>                                                                                                                                              |                                                                                                                                                 |
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| <b>Operation Name:</b>                                                                                                                                                              | OM_LowerRFOfCell(cellid:CellID)                                                                                                                 |
| <b>Result Type:</b>                                                                                                                                                                 | BOOLEAN                                                                                                                                         |
| <b>Comments:</b>                                                                                                                                                                    |                                                                                                                                                 |
| <b>Description</b>                                                                                                                                                                  |                                                                                                                                                 |
| This operation is to lower the RF level of cell `cellid` so that the MS, which is listening to the cell `cellid` , will select another Cell (another transceiver), then it returns. |                                                                                                                                                 |
| <b>Detailed Comments:</b>                                                                                                                                                           | You have to calculate the right value for the new RF level of this cell compared to the other cell by using cell (re)selection algorithm 05.08. |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                   |                                                      |
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| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                   | OM_NoL2Ack(fmtype:L2FMSTYPE; i:INTEGER; ch: LOGICCH) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                      | BOOLEAN                                              |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                         |                                                      |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                       |                                                      |
| This operation sets the layer 2 emulator into a special operation mode then returns. In this special mode the layer 2 emulator shall not acknowledge the `i`th occurrence of the L 2 frame which has the type `fmtype` and the more data bit "M" = 0 on channel `ch` . The layer 2 emulator automatically resumes normal operation after this L 2 frame. |                                                      |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                |                                                      |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                          |                            |
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| <b>Operation Name:</b>                                                                                                                                                                                                                                                          | OM_NotAckSetup(ch:LOGICCH) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                             | BOOLEAN                    |
| <b>Comments:</b>                                                                                                                                                                                                                                                                |                            |
| <b>Description</b>                                                                                                                                                                                                                                                              |                            |
| This operation puts the layer 2 emulator into a special operation mode then returns. In this special mode the layer 2 emulator will not acknowledge the last L 2 frame which carries the SETUP message, and the layer 2 emulator resumes normal operation after this L 2 frame. |                            |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                       |                            |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                     |
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| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | OM_NoUAforDISC(ch:LOGICCH)                          |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | BOOLEAN                                             |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                     |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                     |
| OM_NoUAforDISC and OM_ResumUAforDISC are a pair of TSOs. OM_NoUAforDISC forces the L2 emulator of the tester to enter a specific mode. OM_ResumUAforDISC resumes the L2 emulator to a normal L2 operational mode.<br>In the specific mode on receiving a DISC on the channel 'ch', the L2 emulator<br><ul style="list-style-type: none"> <li>- does not respond with a UA,</li> <li>- remains in the multiple-frame established state,</li> <li>- indicates that the DISC has been received (by means of subsequent DL-RELEASE_INDICATION ASPs).</li> </ul> Then the TSO returns TRUE. |                                                     |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | The TSO is called in TC_26_6_12_2 and TC_26_6_12_4. |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                   |                                                   |
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| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                   | OM_PgFill(cellid:CellID; msg:PG1_RQ_PDU)          |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                      | BOOLEAN                                           |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                         | The result returned by the operation is not used. |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                       |                                                   |
| OM_PgFill operation sets up the contents of paging filling frame to be sent on all paging subchannels continuously. If the contents of paging filling frame in cell `cellid` have not been set up, the operation sets the contents to `msg` . If paging filling frame in cell `cellid` has been set up, the operation changes the paging filling message to `msg` . After the required action has been taken it returns. |                                                   |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                |                                                   |

| Test Suite Operation Definition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | OM_Reactivate(ch1, ch2:LOGICCH)                                         |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | BOOLEAN                                                                 |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |
| <p>OM_Deactivate and OM_Reactivate are a pair of TSOs.</p> <p>OM_Reactivate operation resumes the deactivated logical channels `ch1` and `ch2`, then returns TRUE. If the logical channel is not in use in the TSO a "dummy" value is assigned to the channel. A logical channel is activated immediately after the creation of the channel by calling OM_ChConf and OM_Assoc.</p> <p>The types of the logical channel to be activated in the parameter list can be SDCCH/4, SDCCH/8, FACCH/F, FACCH/H or SACCH_TH, SACCH_TF, SACCH/C4, SACCH/C8.</p> |                                                                         |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | The TSO is called in TC_26_6_8_4 for reactivation of a SDCCH/4 channel. |

| Test Suite Operation Definition                                                                                                      |                         |
|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| <b>Operation Name:</b>                                                                                                               | OM_ReturnFn(ch:LOGICCH) |
| <b>Result Type:</b>                                                                                                                  | FN                      |
| <b>Comments:</b>                                                                                                                     |                         |
| Description                                                                                                                          |                         |
| <p>OM_ReturnFn operation returns the frame number (FN modulo 42432) on which the last L3 message was sent on logic channel `ch`.</p> |                         |
| <b>Detailed Comments:</b>                                                                                                            |                         |

| Test Suite Operation Definition                                                                                                                                                                                                                                                                                                                                                                           |                                                     |
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| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                    | OM_ResumUAforDISC(ch:LOGICCH)                       |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                       | BOOLEAN                                             |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                          |                                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                               |                                                     |
| <p>OM_NoUAforDISC and OM_ResumUAforDISC are a pair of TSOs. OM_NoUAforDISC forces the L2 emulator to enter a specific mode. OM_ResumUAforDISC resumes the L2 emulator to a normal L2 operational mode.</p> <p>OM_ResumUAforDISC cancels the effect of OM_NoUAforDISC, returning L2 on the channel 'ch' to normal operation in the multiple-frame established state.</p> <p>Then the TSO returns TRUE.</p> |                                                     |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                 | The TSO is called in TC_26_6_12_2 and TC_26_6_12_4. |

| Test Suite Operation Definition                                                                              |                                                   |
|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| <b>Operation Name:</b>                                                                                       | OM_SendSMSCBWhilePaging(ch:LOGICCH)               |
| <b>Result Type:</b>                                                                                          | BOOLEAN                                           |
| <b>Comments:</b>                                                                                             | The result returned by the operation is not used. |
| Description                                                                                                  |                                                   |
| <p>The operation makes the lower layers send the next SMSCB message at the same time as the MS is paged.</p> |                                                   |
| <b>Detailed Comments:</b>                                                                                    |                                                   |

| Test Suite Operation Definition                                                                                                                                                                                                                                                                            |                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                     | OM_SendNextOn(ch:LOGICCH; fn:FN) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                        | BOOLEAN                          |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                           |                                  |
| Description                                                                                                                                                                                                                                                                                                |                                  |
| <p>OM_SendNextOn operation sets the lower layer emulator into a special operation mode then returns. In the special mode lower layer emulator sends the next L3 message on the indicated frame number `fn`. After the next L3 message is sent, the lower layer resumes normal operation automatically.</p> |                                  |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                  |                                  |



| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                          |                                                   |
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| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                          | OM_StartMsrReport(ch:LOGICCH)                     |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                             | BOOLEAN                                           |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                | The result returned by the operation is not used. |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                              |                                                   |
| The operation starts the reporting of received MEASUREMENT REPORT message to layer 3 emulator, then it returns with value TRUE.                                                                                                                                                                                                                                 |                                                   |
| Measurement Reports shall be disable by default. By default means that the tester filters them out from the TTCN in-buffer. This operation enables the reports entering the TTCN in-buffer. The OM_StopMsrReport operation disables the reports entering the TTCN in-buffer. When starting each test case, the measurement reports are filtered out by default. |                                                   |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                       |                                                   |

| <b>Test Suite Operation Definition</b>                                                                                         |                                                   |
|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| <b>Operation Name:</b>                                                                                                         | OM_StopAllBCCH(ch:LOGICCH)                        |
| <b>Result Type:</b>                                                                                                            | BOOLEAN                                           |
| <b>Comments:</b>                                                                                                               | The result returned by the operation is not used. |
| <b>Description</b>                                                                                                             |                                                   |
| The operation stops the RF transmission on all BCCH channels in all active cells, after all transmission stop it returns TRUE. |                                                   |
| <b>Detailed Comments:</b>                                                                                                      |                                                   |

| <b>Test Suite Operation Definition</b>                                                             |                                                   |
|----------------------------------------------------------------------------------------------------|---------------------------------------------------|
| <b>Operation Name:</b>                                                                             | OM_StopCell(cell:CellID)                          |
| <b>Result Type:</b>                                                                                | BOOLEAN                                           |
| <b>Comments:</b>                                                                                   | The result returned by the operation is not used. |
| <b>Description</b>                                                                                 |                                                   |
| The operation stops all RF transmission of cell `cell`, after all RF transmission stop it returns. |                                                   |
| <b>Detailed Comments:</b>                                                                          |                                                   |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                           |                                                   |
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| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                           | OM_StopMsrReport(ch:LOGICCH)                      |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                              | BOOLEAN                                           |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                 | The result returned by the operation is not used. |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                               |                                                   |
| The operation stops the reporting of received MEASUREMENT REPORT message to layer 3 emulator, after measurement report stops it returns with value TRUE.                                                                                                                                                                                                         |                                                   |
| Measurement Reports shall be disable by default. By default means that the tester filters them out from the TTCN in-buffer. This operation disables the reports entering the TTCN in-buffer. The OM_StartMsrReport operation enables the reports entering the TTCN in-buffer. When starting each test case, the measurement reports are filtered out by default. |                                                   |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                        |                                                   |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | OM_StopTran(ch1, ch2:LOGICCH)                                                                                                                                                                                                                                                                                                  |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | BOOLEAN                                                                                                                                                                                                                                                                                                                        |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | The result returned by the operation is not used.                                                                                                                                                                                                                                                                              |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                |
| <p>The operation stops the RF transmissions on channel 'ch1' and/or 'ch2'. After all RF transmissions have been stopped it returns TRUE. There is no TSO for (re)starting channels. The OM_ChConf and OM_Assoc together with the test steps sending system information messages on a cell (re)start the stopped channels. If a logical channel is not in use in the TSO a "dummy" value is assigned to the channel. The 'ch1' and 'ch2' shall be in the same channel configuration (appearing in the same OM_ChConf call). The TSO can be called to stop (to turn off) a cell. If in a test case more than one channel configuration exists on a cell (i.e. the OM_ChConf is called more than once for the cell), then for each channel configuration the OM_StopTran shall be called to stop the cell.</p> <p>The following description gives an implementation example.</p> <p>OM_StopTran stops the RF transmission on the timeslot(s) associated with the logical channel identifier in the parameter list. The logical channels should all be in the same cell. Two or more logical channel identifiers may relate to the same timeslot on a cell and this will be determined by the TSO. Depending on the type of channel the following is performed:</p> <ul style="list-style-type: none"> <li>- BCCH and/or SDCCH/4</li> </ul> <p>The TSO stops the RF transmission of BCCH, SCH (if present), FCCH (if present), SDCCH/4 &amp; SACCH/C4 (if present) on the slot the BCCH/SDCCH/4 is present.</p> <ul style="list-style-type: none"> <li>- SDCCH/8</li> </ul> <p>The TSO stops the RF transmission of SDCCH/8 &amp; SACCH/C8 on the slot on which the SDCCH/8 is present.</p> <ul style="list-style-type: none"> <li>- FACCH/F or FACCH/H</li> </ul> <p>The TSO stops the RF transmission of FACCH/F&amp;TCH/F &amp; SACCH/TF or all two FACCH/H&amp;TCH/H &amp; SACCH/TH on the slot on which the FACCH is present.</p> <p>Any other channel types are not used in the TSO.</p> |                                                                                                                                                                                                                                                                                                                                |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <p>The TSO is called in</p> <p>TC_26_2_4_1, TC_26_2_4_2 on TCH/SACCH_T,</p> <p>TC_26_7_4_3_2, TC_26_7_4_3_3, TC_26_7_4_3_4 on SDCCH/4</p> <p>TC_26_8_2_1, TC_26_8_2_2, TC_26_8_2_3 on TCH/SACCH_T</p> <p>TC_26_3_3 on BCCH</p> <p>TC_26_3_4, TC_26_7_4_2_2_1, TC_26_7_4_2_2_2, TC_26_7_4_6, TC_31_6_2_3 on the cell basis.</p> |

| <b>Test Suite Operation Definition</b>                                           |                                                   |
|----------------------------------------------------------------------------------|---------------------------------------------------|
| <b>Operation Name:</b>                                                           | OM_WaitnomoreSacchinUL(ch:LOGICCH)                |
| <b>Result Type:</b>                                                              | BOOLEAN                                           |
| <b>Comments:</b>                                                                 | The result returned by the operation is not used. |
| <b>Description</b>                                                               |                                                   |
| The operation waits until there is no more SACCH frames in the uplink direction. |                                                   |
| <b>Detailed Comments:</b>                                                        |                                                   |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                           |                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                           | OO_ACMIncCHK(para:IA5String) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                              | BOOLEAN                      |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                              |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |
| <p>the OO_ACMIncCHK operation requests (e.g. from the control console of the test system) the test operator to read the value of ACM on SIM and check the increment of the value. Then the operator informs the test system whether the increment is as description `para`, if it is as the description the operation returns TRUE, otherwise returns FALSE.</p> <p>The value of ACM can be read either via MMI or by removing the SIM and using SIM reader.</p> |                              |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                |               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                | OO_ACMReading |
| <b>Result Type:</b>                                                                                                                                                                                                                                                   | BOOLEAN       |
| <b>Comments:</b>                                                                                                                                                                                                                                                      |               |
| <b>Description</b>                                                                                                                                                                                                                                                    |               |
| the OO_ACMReading operation requests (e.g. from the control console of the test system) the test operator to read and note the value of ACM on SIM. After the operator finishes the action, he informs the test system and the operation returns with the value TRUE. |               |
| The value of ACM can be read either via MMI or by removing the SIM and using SIM reader.                                                                                                                                                                              |               |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                             |               |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                            |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                            | OO_ACMSSetting |
| <b>Result Type:</b>                                                                                                                                                                                                                               | BOOLEAN        |
| <b>Comments:</b>                                                                                                                                                                                                                                  |                |
| <b>Description</b>                                                                                                                                                                                                                                |                |
| the OO_ACMSSetting operation requests (e.g. from the control console of the test system) the test operator to reset the ACM to zero and set the ACMmax to 2 units. After the operator finishes the action and informs the test system it returns. |                |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                         |                |

| <b>Test Suite Operation Definition</b>                                                                                                                    |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| <b>Operation Name:</b>                                                                                                                                    | OO_AddPwrAmp |
| <b>Result Type:</b>                                                                                                                                       | BOOLEAN      |
| <b>Comments:</b>                                                                                                                                          |              |
| <b>Description</b>                                                                                                                                        |              |
| This operation requests (e.g. from the control console of the test system) the test operator to add power amplification at the Mobile Station under test. |              |
| After the operator finishes the action, he informs the test system and the operation returns with the value TRUE.                                         |              |
| <b>Detailed Comments:</b>                                                                                                                                 |              |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                          |              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                          | OO_AltIndCHK |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                             | BOOLEAN      |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                |              |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                              |              |
| This operation first requests (e.g. from the control console of the test system) the test operator to check whether the alerting indication is generated. If the operator informs (e.g. from the control console of the test system) the test system that the alerting indication is generated, the operation returns TRUE. If the operator informs the test system that the alerting indication is not generated, the operation returns FALSE. |              |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                       |              |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                        |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                        | OO_CalledNumCHK |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                           | BOOLEAN         |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                            |                 |
| This operation first requests (e.g. from the control console of the test system) the test operator to check whether the called party number is correctly displayed on the mobile station. If the operator informs (e.g. from the control console of the test system) the test system that the display is correct, the operation returns TRUE. If the operator informs the test system that the display is wrong, the operation returns FALSE. |                 |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |

| Test Suite Operation Definition                                                                                                                                                                                                                                                                                                                                                                                                              |                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                       | OO_CalledPtyNumCHK(num:CDPN) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                          | BOOLEAN                      |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                             |                              |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                  |                              |
| This operation first requests (e.g. from the control console of the test system) the test operator to check whether the called party number `num` is the one that was entered into the MS. If the operator informs (e.g. from the control console of the test system) the test system that the number is correct, the operation returns TRUE. If the operator informs the test system that the number is wrong, the operation returns FALSE. |                              |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |

| Test Suite Operation Definition                                                                                                                                                                                                                                                    |             |
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| <b>Operation Name:</b>                                                                                                                                                                                                                                                             | OO_CallHold |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                | BOOLEAN     |
| <b>Comments:</b>                                                                                                                                                                                                                                                                   |             |
| Description                                                                                                                                                                                                                                                                        |             |
| This operation requests (e.g. from the control console of the test system) the test operator to enter call hold MMI command at the Mobile Station under test.<br>After the operator finishes the action, he informs the test system and the operation returns with the value TRUE. |             |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                          |             |

| Test Suite Operation Definition                                                                                                                                                                                                                                                                                                                                                                                                                     |                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                              | OO_CheckAllSMPresentBut4th |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                 | BOOLEAN                    |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                    |                            |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                         |                            |
| This operation requests (e.g. from the control console of the test system) the test operator to check if the mobile station under test has stored all short messages during the test case but not the 4th one which should have been replaced by the 5th(cf. GSM 11.10, clause 34.2.7.4). The messages are displayed. Then the operation returns.<br>TRUE: All SM present but not the 4th<br>FALSE: 4th SM present or 1st, 2nd, 3rd or 5th missing. |                            |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                           |                            |

| Test Suite Operation Definition                                                                                                                                                                                                                                               |                      |
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| <b>Operation Name:</b>                                                                                                                                                                                                                                                        | OO_CheckCBSMReceived |
| <b>Result Type:</b>                                                                                                                                                                                                                                                           | BOOLEAN              |
| <b>Comments:</b>                                                                                                                                                                                                                                                              |                      |
| Description                                                                                                                                                                                                                                                                   |                      |
| This operation requests (e.g. from the control console of the test system) the test operator to check if the MS under test has received the correct cell broadcast short message or not, then returns.<br>Correct CBSM received: TRUE<br>No or incorrect CBSM received: FALSE |                      |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                     |                      |

| Test Suite Operation Definition                                                                                                                                                                                                                                                                                 |                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                          | OO_CheckMCEFOOnSIM |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                             | BOOLEAN            |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                |                    |
| Description                                                                                                                                                                                                                                                                                                     |                    |
| This operation requests (e.g. from the control console of the test system) the test operator to check if the Memory Capacity Exceeded Flag has been set on the SIM simulator and to inform the test system of the result of the checking. If the checking succeeds the operation returns TRUE, FALSE otherwise. |                    |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                       |                    |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                            |                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                            | OO_CheckMCEFOOnSIMUnset |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                               | BOOLEAN                 |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                  |                         |
| Description                                                                                                                                                                                                                                                                                                       |                         |
| This operation requests (e.g. from the control console of the test system) the test operator to check if the Memory Capacity Exceeded Flag has been unset on the SIM simulator and to inform the test system of the result of the checking. If the checking succeeds the operation returns TRUE, FALSE otherwise. |                         |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                         |                         |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                              | OO_CheckMessageDisplayed |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                 | BOOLEAN                  |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                          |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                          |
| This operation requests (e.g. from the control console of the test system) the test operator to check if the mobile station under test indicates that a SM has arrived. If the MS provides the functionality to display MT messages, it is checked that the correct message is displayed. Then the operation returns.<br>TRUE: MS indicates SM reception (and displays correct message)<br>FALSE: MS does not indicate SM reception (or displays incorrect message) |                          |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                           |                          |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                   |                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                   | OO_CheckUssdStringDisplayed(strg: IA5String) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                      | BOOLEAN                                      |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                         |                                              |
| Description                                                                                                                                                                                                                                                                                              |                                              |
| This operation requests (e.g. from the control console of the test system) the test operator to check if the mobile station under test displays the Ussd String 'strg'. Then the operation returns.<br>TRUE: MS displays the correct Ussd String.<br>FALSE: MS does not display the correct Ussd String. |                                              |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                |                                              |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                    |                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                    | OO_ConnectSIMSimulator |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                       | BOOLEAN                |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                          |                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                               |                        |
| This operation requests (e.g. from the control console of the test system) the test operator to connect the SIM simulator to the mobile station under test.<br>For the contents of the SIM simulator the operator refers to the initial conditions of the test case acc. GSM 11.10, clause 34.2.3.3.<br>After the operator finishes the action, he informs the test system and the operation returns with the value TRUE. |                        |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                 |                        |

| <b>Test Suite Operation Definition</b>                                                                                                                             |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| <b>Operation Name:</b>                                                                                                                                             | OO_DepressEndKey |
| <b>Result Type:</b>                                                                                                                                                | BOOLEAN          |
| <b>Comments:</b>                                                                                                                                                   |                  |
| Description                                                                                                                                                        |                  |
| This operation requests (e.g. from the control console of the test system) the test operator to depress the 'END' key of the Mobile Stations keypad, then returns. |                  |
| <b>Detailed Comments:</b>                                                                                                                                          |                  |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                              |                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                              | OO_DialCalledNum |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                 | BOOLEAN          |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                    |                  |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                  |                  |
| This operation requests (e.g. from the control console of the test system) the test operator to dial the called party number at the Mobile Station under test but not press the "SEND" key (i.e. not initiate the call setup).<br>After the operator finishes the action, he informs the test system and the operation returns with the value TRUE. |                  |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                           |                  |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                            |                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                            | OO_DisplaySMAndSendReplySM(n: INTEGER) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                               | BOOLEAN                                |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                  |                                        |
| <b>Description</b>                                                                                                                                                                                                                                                                                |                                        |
| This operation requests (e.g. from the control console of the test system) the test operator to display the 'n'-th short message received and to send a reply short message.<br>After the operator finishes the action, he informs the test system and the operation returns with the value TRUE. |                                        |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                         |                                        |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                   | OO_DTMFIndCHK(character:IA5String) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                      | BOOLEAN                            |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                    |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                    |
| This operation first requests (e.g. from the control console of the test system) the test operator to check whether the `character` is indicated by the DTMF indicator of the MS. If the operator informs (e.g. from the control console of the test system) the test system that the MS does not give the indication of `character`, the operation returns FALSE. If the operator informs the test system that the MS gives the indication, the operation returns TRUE. |                                    |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                           |                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                           | OO_EmptyMessageStorage |
| <b>Result Type:</b>                                                                                                                                                                                                                                                              | BOOLEAN                |
| <b>Comments:</b>                                                                                                                                                                                                                                                                 |                        |
| <b>Description</b>                                                                                                                                                                                                                                                               |                        |
| This operation requests (e.g. from the control console of the test system) the test operator to empty the message storage of the mobile station under test.<br>After the operator finishes the action, he informs the test system and the operation returns with the value TRUE. |                        |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                        |                        |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                            |                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                            | OO_EnterPswd(pswd:IA5String) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                               | BOOLEAN                      |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                  |                              |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                |                              |
| This TSO displays a message on the control console to inform the operator that he is to enter a given password (the actual password is given by 'pswd') on the mobile. The operation waits for the operator to acknowledge the request, which may be done before or after entering the password into the mobile, and then returns the value TRUE. |                              |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                         |                              |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                            |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                            | OO_HookOff |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                               | BOOLEAN    |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                  |            |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                |            |
| <p>This operation requests (e.g. from the control console of the test system) the test operator to answer the mobile terminating call at the Mobile Station under test.</p> <p>This operation waits for the operator to acknowledge the request which may be done before or after the call has been answered and then returns the value TRUE.</p> |            |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                         |            |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | OO_IFsetup(srv:MTSERVICES) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | BOOLEAN                    |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                            |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                            |
| <p>This operation requests (e.g. from the control console of the test system) the test operator to setup the external interface, or configuration of the MS such a way that the MS is able to successfully receive the call for the service `srv`. After the operator finishes the required action and informs the test system, it returns with value TRUE.</p> <p>The possible service values include (see also test suite constant declarations):</p> <p>1) Teleservices</p> <ul style="list-style-type: none"> <li>- C_Telephony</li> <li>- C_EmgCallSRV</li> <li>- C_AltSpchG3_2400, C_AltSpchG3_4800, C_AltSpchG3_9600</li> <li>- C_AutoG3, C_AutoG3_T_2400, C_AutoG3_T_4800, C_AutoG3_T_9600</li> </ul> <p>2) Bearer services</p> <ul style="list-style-type: none"> <li>- C_300cda, C_300cda_T, C_1200cda, C_1200cda_T, C_120075cda, C_120075cda_T, C_2400cda, C_2400cda_T, C_4800cda, C_4800cda_T, C_9600cda</li> <li>- C_1200cda, C_2400cda, C_2400cda_T, C_4800cda, C_4800cda_T, C_9600cda</li> <li>- C_PAD300, C_PAD300_T, C_PAD1200, C_PAD1200_T, C_PAD120075, C_PAD120075_T, C_PAD2400, C_PAD2400_T, C_PAD4800, C_PAD4800_T, C_PAD9600</li> <li>- C_Pkt2400, C_Pkt4800, C_Pkt9600</li> <li>- C_AltSpchData_300, C_AltSpchData_1200, C_AltSpchData_120075, C_AltSpchData_2400, C_AltSpchData_4800, C_AltSpchData_9600</li> <li>- C_SpchData_300, C_SpchData_1200, C_SpchData_120075, C_SpchData_2400, C_SpchData_4800, C_SpchData_9600.</li> </ul> |                            |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | OO_InCallModi(srv:MOSERVICES) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | BOOLEAN                       |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                               |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |
| <p>This operation requests (e.g. from the control console of the test system) the test operator to initiate a in-call modification at the Mobile Station under test, which is triggered by the calling tone identification (CNG) received by the MS, for the basic service 'srv', then returns TRUE. The calling test step can pass the 'srv' value either as TSPX or constant to the TSO.</p> <p>The possible service values include (see also test suite constant declarations):</p> <p>1) Teleservices</p> <ul style="list-style-type: none"> <li>- C_Telephony</li> <li>- C_EmgCallSRV</li> <li>- C_AltSpchG3_2400, C_AltSpchG3_4800, C_AltSpchG3_9600</li> <li>- C_AutoG3, C_AutoG3_T_2400, C_AutoG3_T_4800, C_AutoG3_T_9600</li> </ul> <p>2) Bearer services</p> <ul style="list-style-type: none"> <li>- C_300cda, C_300cda_T, C_1200cda, C_1200cda_T, C_120075cda, C_120075cda_T, C_2400cda, C_2400cda_T, C_4800cda, C_4800cda_T, C_9600cda</li> <li>- C_1200cda, C_2400cda, C_2400cda_T, C_4800cda, C_4800cda_T, C_9600cda</li> <li>- C_PAD300, C_PAD300_T, C_PAD1200, C_PAD1200_T, C_PAD120075, C_PAD120075_T, C_PAD2400, C_PAD2400_T, C_PAD4800, C_PAD4800_T, C_PAD9600</li> <li>- C_Pkt2400, C_Pkt4800, C_Pkt9600</li> <li>- C_AltSpchData_300, C_AltSpchData_1200, C_AltSpchData_120075, C_AltSpchData_2400, C_AltSpchData_4800, C_AltSpchData_9600</li> <li>- C_SpchData_300, C_SpchData_1200, C_SpchData_120075, C_SpchData_2400, C_SpchData_4800, C_SpchData_9600.</li> </ul> |                               |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                               |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                            |
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| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | OO_InitCall(srv:IA5String) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | BOOLEAN                    |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                            |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                            |
| <p>This operation requests (e.g. from the control console of the test system) the test operator to initiate an MS originating call for the basic service 'srv', then returns TRUE. The calling test step can pass the 'srv' value either as TSPX or constant to the TSO. If necessary the MS is configured for that basic service before the call initiation.</p> <p>The possible service values include (see also test suite constant declarations):</p> <p>1) Teleservices</p> <ul style="list-style-type: none"> <li>- C_Telephony</li> <li>- C_EmgCallSRV</li> <li>- C_AltSpchG3_2400, C_AltSpchG3_4800, C_AltSpchG3_9600</li> <li>- C_AutoG3, C_AutoG3_T_2400, C_AutoG3_T_4800, C_AutoG3_T_9600</li> </ul> <p>2) Bearer services</p> <ul style="list-style-type: none"> <li>- C_300cda, C_300cda_T, C_1200cda, C_1200cda_T, C_120075cda, C_120075cda_T, C_2400cda, C_2400cda_T, C_4800cda, C_4800cda_T, C_9600cda</li> <li>- C_1200cda, C_2400cda, C_2400cda_T, C_4800cda, C_4800cda_T, C_9600cda</li> <li>- C_PAD300, C_PAD300_T, C_PAD1200, C_PAD1200_T, C_PAD120075, C_PAD120075_T, C_PAD2400, C_PAD2400_T, C_PAD4800, C_PAD4800_T, C_PAD9600</li> <li>- C_Pkt2400, C_Pkt4800, C_Pkt9600</li> <li>- C_AltSpchData_300, C_AltSpchData_1200, C_AltSpchData_120075, C_AltSpchData_2400, C_AltSpchData_4800, C_AltSpchData_9600</li> <li>- C_SpchData_300, C_SpchData_1200, C_SpchData_120075, C_SpchData_2400, C_SpchData_4800, C_SpchData_9600.</li> </ul> |                            |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                            |



| <b>Test Suite Operation Definition</b>                                                                                                                                    |                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| <b>Operation Name:</b>                                                                                                                                                    | OO_InitSS(action: IA5String) |
| <b>Result Type:</b>                                                                                                                                                       | BOOLEAN                      |
| <b>Comments:</b>                                                                                                                                                          |                              |
| <b>Description</b>                                                                                                                                                        |                              |
| This operation requests (e.g. from the control console of the test system) the test operator to initiate the required supplementary service by the MMI sequence `action`. |                              |
| After the operator finishes the action, he informs the test system and the operation returns with the value TRUE.                                                         |                              |
| <b>Detailed Comments:</b>                                                                                                                                                 |                              |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |
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| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OO_InServiceCHK |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | BOOLEAN         |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |
| This operation first requests (e.g. from the control console of the test system) the test operator to check whether the Mobile Station under test is in normal service state ("Idle, updated")-- listening to CCCH and BCCH and with U1 UPDATED status. If the operator informs (e.g. from the control console of the test system) the test system that the MS does not give any service indication, the operation returns FALSE. If the operator informs the test system that the MS gives service indication, the operation returns TRUE. |                 |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |

| <b>Test Suite Operation Definition</b>                                                                                                |         |
|---------------------------------------------------------------------------------------------------------------------------------------|---------|
| <b>Operation Name:</b>                                                                                                                | OO_Key  |
| <b>Result Type:</b>                                                                                                                   | BOOLEAN |
| <b>Comments:</b>                                                                                                                      |         |
| <b>Description</b>                                                                                                                    |         |
| This operation returns TRUE if a key of the SS' keyboard has been pressed. Otherwise it returns FALSE.                                |         |
| After OO_PressKeyWhenInService was called, the TSO is then continuously called until the test operator hits a key or a timer expires. |         |
| <b>Detailed Comments:</b>                                                                                                             |         |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                 |             |
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| <b>Operation Name:</b>                                                                                                                                                                                                                                                 | OO_MptyCall |
| <b>Result Type:</b>                                                                                                                                                                                                                                                    | BOOLEAN     |
| <b>Comments:</b>                                                                                                                                                                                                                                                       |             |
| <b>Description</b>                                                                                                                                                                                                                                                     |             |
| This operation requests (e.g. from the control console of the test system) the test operator to enter MultiParty MMI command at the Mobile Station under test, then it returns with the value TRUE after the operator finishes the action and informs the test system. |             |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                              |             |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                              |                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                              | OO_MSSetupStoreClass1SMInMEMemory |
| <b>Result Type:</b>                                                                                                                                                                                                 | BOOLEAN                           |
| <b>Comments:</b>                                                                                                                                                                                                    |                                   |
| <b>Description</b>                                                                                                                                                                                                  |                                   |
| This operation requests (e.g. from the control console of the test system) the test operator to setup the MS under test to store class 1 SM in the ME memory (by way of MMI, as described in PICS/PIXIT statement). |                                   |
| After the operator finishes the action, he informs the test system and the operation returns with the value TRUE.                                                                                                   |                                   |
| <b>Detailed Comments:</b>                                                                                                                                                                                           |                                   |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |
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| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | OO_PLMNsCHK |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | BOOLEAN     |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |
| This operation first requests (e.g. from the control console of the test system) the test operator to check whether the Mobile Station presents a list of available PLMNs. The list shall include the MNC and MCC of cells 1 to 7, but not cell 8 (for GSM900) or cells 1 to 6, but not cell 7 (for DCS1800). If the operator informs (e.g. from the control console of the test system) the test system that the MS correctly presents the list, the operation returns TRUE. If the operator informs the test system that the list is incorrect, the operation returns FALSE. |             |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |

| <b>Test Suite Operation Definition</b>                                                                                                                              |                    |
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| <b>Operation Name:</b>                                                                                                                                              | OO_PLMNselModeAuto |
| <b>Result Type:</b>                                                                                                                                                 | BOOLEAN            |
| <b>Comments:</b>                                                                                                                                                    |                    |
| <b>Description</b>                                                                                                                                                  |                    |
| This operation switches the PLMN selection mode of the MS to automatic selection. After correctly switching of the mode the operation returns TRUE otherwise FALSE. |                    |
| <b>Detailed Comments:</b>                                                                                                                                           |                    |

| <b>Test Suite Operation Definition</b>                                                                                                                           |                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| <b>Operation Name:</b>                                                                                                                                           | OO_PLMNselModeMan |
| <b>Result Type:</b>                                                                                                                                              | BOOLEAN           |
| <b>Comments:</b>                                                                                                                                                 |                   |
| <b>Description</b>                                                                                                                                               |                   |
| This operation switches the PLMN selection mode of the MS to manual selection. After correctly switching of the mode the operation returns TRUE otherwise FALSE. |                   |
| <b>Detailed Comments:</b>                                                                                                                                        |                   |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                       |            |
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| <b>Operation Name:</b>                                                                                                                                                                                       | OO_PowerUp |
| <b>Result Type:</b>                                                                                                                                                                                          | BOOLEAN    |
| <b>Comments:</b>                                                                                                                                                                                             |            |
| <b>Description</b>                                                                                                                                                                                           |            |
| This operation requests (e.g. from the control console of the test system) the test operator to power up the Mobile Station under test and to inform after the test system, then it returns with value TRUE. |            |
| <b>Detailed Comments:</b>                                                                                                                                                                                    |            |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                         |              |
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| <b>Operation Name:</b>                                                                                                                                                                                         | OO_PowerDown |
| <b>Result Type:</b>                                                                                                                                                                                            | BOOLEAN      |
| <b>Comments:</b>                                                                                                                                                                                               |              |
| <b>Description</b>                                                                                                                                                                                             |              |
| This operation requests (e.g. from the control console of the test system) the test operator to power down the Mobile Station under test and to inform after the test system, then it returns with value TRUE. |              |
| <b>Detailed Comments:</b>                                                                                                                                                                                      |              |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                              |                          |
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| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                              | OO_PressKeyWhenInService |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                 | BOOLEAN                  |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                    |                          |
| <b>Description</b>                                                                                                                                                                                                                                                                                                  |                          |
| This operation requests (e.g. from the control console of the test system) the test operator to press any key when the MS shows the service indicator, then returns. The return value is always TRUE.<br>Working with OO_Key together, the TSO displays a prompt to the test operator and then immediately returns. |                          |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                           |                          |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                         |                    |
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| <b>Operation Name:</b>                                                                                                                                                                                                         | OO_ReadSMAndRemove |
| <b>Result Type:</b>                                                                                                                                                                                                            | BOOLEAN            |
| <b>Comments:</b>                                                                                                                                                                                                               |                    |
| <b>Description</b>                                                                                                                                                                                                             |                    |
| This operation requests (e.g. from the control console of the test system) the test operator to read a SM , to remove it from the message store and then to inform the test sytem, then the operation returns with value TRUE. |                    |
| <b>Detailed Comments:</b>                                                                                                                                                                                                      |                    |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                |                       |
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| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                | OO_RecallAndDisplaySM |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                   | BOOLEAN               |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                      |                       |
| <b>Description</b>                                                                                                                                                                                                                                                                                    |                       |
| This operation requests (e.g. from the control console of the test system) the test operator to recall a SM stored in the ME of the MS under test and let it be displayed (e.g. by means of the MMI), then returns.<br>SM recalled and displayed: TRUE<br>SM not recalled and/or not displayed: FALSE |                       |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                             |                       |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                 |               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                 | OO_RemvPwrAmp |
| <b>Result Type:</b>                                                                                                                                                                                                                                    | BOOLEAN       |
| <b>Comments:</b>                                                                                                                                                                                                                                       |               |
| <b>Description</b>                                                                                                                                                                                                                                     |               |
| This operation requests (e.g. from the control console of the test system) the test operator to remove the added power amplification at the Mobile Station under test and to inform after the test system, then the operation returns with value TRUE. |               |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                              |               |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                 |                |
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| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                 | OO_RFoutputCHK |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                    | BOOLEAN        |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                       |                |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                     |                |
| This operation first requests (e.g. from the control console of the test system) the test operator to check whether the Mobile Station produces any RF output. If the operator informs (e.g. from the control console of the test system) the test system that the MS does not produce any RF output, the operation returns FALSE. If the operator informs the test system that the MS produces RF output, the operation returns TRUE. |                |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                              |                |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                      |                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                      | OO_SelPLMN(par_plmn:OCTETSTRING) |
| <b>Result Type:</b>                                                                                                                                                                                                         | BOOLEAN                          |
| <b>Comments:</b>                                                                                                                                                                                                            |                                  |
| <b>Description</b>                                                                                                                                                                                                          |                                  |
| This operation requests (e.g. from the control console of the test system) the test operator to select the given PLMN in par_plmn manually, and to inform after the test system then the operation returns with value TRUE. |                                  |
| <b>Detailed Comments:</b>                                                                                                                                                                                                   |                                  |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                       |                       |
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| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                       | OO_SendMOShortMessage |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                          | BOOLEAN               |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                             |                       |
| <b>Description</b>                                                                                                                                                                                                                                                                                                           |                       |
| This operation requests (e.g. from the control console of the test system) the test operator to send a short message from the mobile station under test.<br>The operation waits for the operator to acknowledge the request which may be done before or after sending the MO Short Message, and then returns the value TRUE. |                       |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                    |                       |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                    |                      |
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| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                    | OO_SendSMSCOMMANDDel |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                       | BOOLEAN              |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                          |                      |
| <b>Description</b>                                                                                                                                                                                                                                                                                        |                      |
| This operation requests (e.g. from the control console of the test system) the test operator to send a SMS COMMAND message from the mobile station under test containing requiring to delete the previously submitted SM and then to inform the test system. Then, the operation returns with value TRUE. |                      |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                 |                      |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                 |                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                 | OO_SendSMSCOMMANDEnq |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                    | BOOLEAN              |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                       |                      |
| <b>Description</b>                                                                                                                                                                                                                                                                                     |                      |
| This operation requests (e.g. from the control console of the test system) the test operator to send a SMS COMMAND message from the mobile station under test containing an enquiry about the previously submitted SM and then to inform the test system. Then, the operation returns with value TRUE. |                      |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                              |                      |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                              |                  |
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| <b>Operation Name:</b>                                                                                                                                                                                                                                                                              | OO_SetRefuseCall |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                 | BOOLEAN          |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                    |                  |
| <b>Description</b>                                                                                                                                                                                                                                                                                  |                  |
| This operation first requests (e.g. from the control console of the test system) the test operator to enable call refusal on the MS. After the operator completes the action and informs (e.g. from the control console of the test system) the test system, the operation returns with value TRUE. |                  |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                           |                  |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                     |                               |
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| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                     | OO_ShortKeyDepr(ch:IA5String) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                        | BOOLEAN                       |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                           |                               |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                         |                               |
| This operation requests (e.g. from the control console of the test system) the test operator to cause a DTMF tone to be generated, e.g. by short depression of the key `ch` on the Mobile Station under test. The operation waits for the operator to acknowledge the request which may be done before or after generating the DTMF tone, and then returns the value TRUE. |                               |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                  |                               |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                 |           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                 | OO_SIMIns |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                    | BOOLEAN   |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                       |           |
| <b>Description</b>                                                                                                                                                                                                                                                                                                     |           |
| This operation requests (e.g. from the control console of the test system) the test operator to insert the SIM card into the Mobile Station under test. After the operator completes the action and informs (e.g. from the control console of the test system) the test system, the operation returns with value TRUE. |           |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                              |           |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                   |            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                   | OO_SIM2Ins |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                      | BOOLEAN    |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                         |            |
| <b>Description</b>                                                                                                                                                                                                                                                                                                       |            |
| This operation requests (e.g. from the control console of the test system) the test operator to insert the SIM card 2 into the Mobile Station under test. After the operator completes the action and informs (e.g. from the control console of the test system) the test system, the operation returns with value TRUE. |            |
| The SIM Card 2 shall contain the following parameter values, which are different from default values(SIM Card 1):                                                                                                                                                                                                        |            |
| IMSI= '001011234'                                                                                                                                                                                                                                                                                                        |            |
| HPLMN_search_period=6min.                                                                                                                                                                                                                                                                                                |            |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                |            |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                 |            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                 | OO_SIM3Ins |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                    | BOOLEAN    |
| <b>Comments:</b>                                                                                                                                                                                                                                                                       |            |
| <b>Description</b>                                                                                                                                                                                                                                                                     |            |
| This operation requests (e.g. from the control console of the test system) the test operator to insert the SIM card 3 into the Mobile Station under test and turn the MS power on, after the test operator finishes the action and informs the test system it returns with value TRUE. |            |
| The SIM Card 3 shall contain fixed dialling number allocated and activated.                                                                                                                                                                                                            |            |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                              |            |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                 |           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                 | OO_SIMRmv |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                    | BOOLEAN   |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                       |           |
| <b>Description</b>                                                                                                                                                                                                                                                                                                     |           |
| This operation requests (e.g. from the control console of the test system) the test operator to remove the SIM card from the Mobile Station under test. After the operator completes the action and informs (e.g. from the control console of the test system) the test system, the operation returns with value TRUE. |           |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                              |           |

| Test Suite Operation Definition                                                                                                                                                                                                                                                                                                                               |                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                        | OO_SIMSimulAttIndOK |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                           | BOOLEAN             |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                              |                     |
| Description                                                                                                                                                                                                                                                                                                                                                   |                     |
| <p>This operation requests (e.g. from the control console of the test system) the test operator to check whether the SIM simulator indicates an attempt made by the ME to store the short message in the SIM. The SIM simulator returns the status response "OK" ('90 00"). Then returns.</p> <p>Attempt indicated: TRUE<br/>Attempt NOT indicated: FALSE</p> |                     |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                     |                     |

| Test Suite Operation Definition                                                                                                                                                                                                                                                                                                                                           |                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                    | OO_SIMSimulAttIndMemProblem |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                       | BOOLEAN                     |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                          |                             |
| Description                                                                                                                                                                                                                                                                                                                                                               |                             |
| <p>This operation requests (e.g. from the control console of the test system) the test operator to check whether the SIM simulator indicates an attempt made by the ME to store the short message in the SIM. The SIM simulator returns the status response "Memory Problem" ('92 40"). Then returns.</p> <p>Attempt indicated: TRUE<br/>Attempt NOT indicated: FALSE</p> |                             |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                 |                             |

| Test Suite Operation Definition                                                                                                                                                                                                                                                                                                                                                                                                                    |                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                             | OO_SSresultCHK(svc:INTEGER) |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                | BOOLEAN                     |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                   |                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                        |                             |
| <p>This operation first requests (e.g. from the control console of the test system) the test operator to check the user indication of the result of the supplementary service `svc`. If the operator informs (e.g. from the control console of the test system) the test system that the indication is correct, the operation returns TRUE. If the operator informs the test system that the indication is wrong, the operation returns FALSE.</p> |                             |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                          |                             |

| Test Suite Operation Definition                                                                                                                                                                                                                                                                                                                                        |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                 | OO_SwitchOn |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                    | BOOLEAN     |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                       |             |
| Description                                                                                                                                                                                                                                                                                                                                                            |             |
| <p>This operation requests (e.g. from the control console of the test system) the test operator to switch on (or if there is no switch then to restore the power to) the Mobile Station under test. After the operator completes the action and informs (e.g. from the control console of the test system) the test system, the operation returns with value TRUE.</p> |             |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                              |             |

| Test Suite Operation Definition                                                                                                                                                                                                                                                                                                                                          |              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                   | OO_SwitchOff |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                      | BOOLEAN      |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                         |              |
| Description                                                                                                                                                                                                                                                                                                                                                              |              |
| <p>This operation requests (e.g. from the control console of the test system) the test operator to switch off (or if there is no switch then to remove the power from) the Mobile Station under test. After the operator completes the action and informs (e.g. from the control console of the test system) the test system, the operation returns with value TRUE.</p> |              |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                |              |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | OO_TCHThroConnCHK |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | BOOLEAN           |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |
| This operation first requests (e.g. from the control console of the test system) the test operator to check whether the TCH is through connected. The SS has to generate a noise pattern so that the operator can check this. If the operator informs (e.g. from the control console of the test system) the test system that the TCH is through connected, the operation returns TRUE. If the operator informs the test system that the TCH is not through connected, the operation returns FALSE. |                   |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                     |             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                     | OO_TermCall |
| <b>Result Type:</b>                                                                                                                                                                                                                                                        | BOOLEAN     |
| <b>Comments:</b>                                                                                                                                                                                                                                                           |             |
| <b>Description</b>                                                                                                                                                                                                                                                         |             |
| This operation first requests (e.g. from the control console of the test system) the test operator to terminate the ongoing call. After the operator completes the action and informs (e.g. from the control console of the test system) the test system, it returns TRUE. |             |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                  |             |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                  |                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                  | OO_TguardTimeOut |
| <b>Result Type:</b>                                                                                                                                                                                                                     | BOOLEAN          |
| <b>Comments:</b>                                                                                                                                                                                                                        |                  |
| <b>Description</b>                                                                                                                                                                                                                      |                  |
| This operation informs (e.g. from the control console of the test system) the test operator that the T_guard timer has expired during the test case leading to an inconclusive or fail verdict and returns immediately with value TRUE. |                  |
| <b>Detailed Comments:</b>                                                                                                                                                                                                               |                  |

| <b>Test Suite Operation Definition</b>                                                                                                                                                                                                                                                                                                                                                                                          |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>Operation Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                          | OO_ToneStopCHK |
| <b>Result Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                             | BOOLEAN        |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                |                |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                              |                |
| This operation first requests (e.g. from the control console of the test system) the test operator to check whether the MS stops the tone generation. If the operator informs (e.g. from the control console of the test system) the test system that the MS does not stop tone generation, the operation returns FALSE. If the operator informs the test system that the MS stops tone generation, the operation returns TRUE. |                |
| Definition of "tone generation":                                                                                                                                                                                                                                                                                                                                                                                                |                |
| -During MO call: MS generates alerting tone/presents inband information sent by the network.                                                                                                                                                                                                                                                                                                                                    |                |
| -During MT call: MS generates ringing tone.                                                                                                                                                                                                                                                                                                                                                                                     |                |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                       |                |

## Test suite parameter declarations

| Test Suite Parameter Declarations |         |                         |                                                                |
|-----------------------------------|---------|-------------------------|----------------------------------------------------------------|
| Parameter Name                    | Type    | PICS/PIXIT Ref          | Comments                                                       |
| TSPC_24DataF                      | BOOLEAN | PICS Table A.25 Item 12 | 2.4 k full rate data mode supported                            |
| TSPC_24DataH                      | BOOLEAN | PICS Table A.25 Item 13 | 2.4 k half rate data mode supported                            |
| TSPC_48DataF                      | BOOLEAN | PICS Table A.25 Item 14 | 4.8 k full rate data mode supported                            |
| TSPC_48DataH                      | BOOLEAN | PICS Table A.25 Item 15 | 4.8 k half rate data mode supported                            |
| TSPC_96Data                       | BOOLEAN | PICS Table A.25 Item 16 | 9.6 k full rate data mode supported                            |
| TSPC_Feat_A51                     | BOOLEAN | PICS Table A.2 Item 17  | ciphering algorithm A5/1 supported                             |
| TSPC_Feat_A52                     | BOOLEAN | PICS Table A.2 Item 18  | ciphering algorithm A5/2 supported                             |
| TSPC_AddCharSet                   | BOOLEAN | PICS Table A.25 Item 47 | A, B, C, D chars supported                                     |
| TSPC_AddInfo_PseudoSynch          | BOOLEAN | PICS                    | Pseudo synchronised supported                                  |
| TSPC_AlertInd                     | BOOLEAN | PICS Table A.25 Item 49 | alerting indication to the user supported                      |
| TSPC_BC                           | BOOLEAN | PICS Table A.25 Item 18 | at least one bearer capability supported                       |
| TSPC_CC                           | BOOLEAN | PICS Table A.25 Item 26 | CC protocol for at least one BC supported                      |
| TSPC_DataSvc                      | BOOLEAN | PICS Table A.25 Item 4  | at least one data service supported                            |
| TSPC_SvcOnTCH                     | BOOLEAN | PICS Table A.25 Item 22 | at least one service on traffic channel supported              |
| TSPC_SMS                          | BOOLEAN | PICS Table A.25 Item 31 | at least one short message service supported                   |
| TSPC_SS                           | BOOLEAN | PICS Table A.25 Item 29 | at least one supplementary service supported                   |
| TSPC_AutoAutoMode                 | BOOLEAN | PICS Table A.25 Item 48 | automatically enter automatic selection of PLMN mode supported |
| TSPC_BasCharSet                   | BOOLEAN | PICS Table A.25 Item 46 | Chars 0-9, *, # supported                                      |
| TSPC_CalledNumDisp                | BOOLEAN | PICS Table A.2 Item 1   | called number display supported                                |
| TSPC_DCS                          | BOOLEAN | PICS Table A.1 Item 3   | testing DCS1800                                                |
| TSPC_DetachOnPwrDn                | BOOLEAN | PICS Table A.25 Item 38 | detach on power down supported                                 |
| TSPC_DetachOnSIMRmv               | BOOLEAN | PICS Table A.25 Item 39 | detach on SIM remove supported                                 |
| TSPC_DispRcvSMS                   | BOOLEAN | PICS Table A.25 Item 34 | display of received SMS supported                              |
| TSPC_DualRate                     | BOOLEAN | PICS Table A.25 Item 23 | dual rate channel types supported                              |
| TSPC_EGSM                         | BOOLEAN | PICS Table A.1 Item 2   | both standard and extended GSM band supported                  |
| TSPC_EmgOnly                      | BOOLEAN | PICS Table A.25 Item 27 | the only circuit switched basic service is emergency call      |
| TSPC_followOnReq                  | BOOLEAN | PICS Table A.25 Item 53 | follow-on request procedure supported                          |
| TSPC_HalfRateData                 | BOOLEAN | PICS Table A.25 Item 6  | half rate data supported                                       |
| TSPC_HalfRateSpeech               | BOOLEAN | PICS Table A.25 Item 3  | half rate speech mode supported                                |
| TSPC_InCallMod                    | BOOLEAN | PICS Table A.25 Item 52 | In-Call modification supported                                 |
| TSPC_ImmConn                      | BOOLEAN | PICS Table A.25 Item 51 | Immediate connect supported                                    |
| TSPC_Feat_FND                     | BOOLEAN | PICS Table A.2 Item 21  | FND feature supported                                          |
| TSPC_FullRateSpeech               | BOOLEAN | PICS Table A.25 Item 2  | full rate speech mode supported                                |
| TSPC_FullRateOnly                 | BOOLEAN | PICS Table A.25 Item 24 | only full rate channel type supported                          |
| TSPC_NonCallSS                    | BOOLEAN | PICS Table A.25 Item 30 | non call related supplementary service supported               |
| TSPC_MTsvc                        | BOOLEAN | PICS Table A.25 Item 19 | at least one MT circuit switched basic service supported       |
| TSPC_MOsvc                        | BOOLEAN | PICS Table A.25 Item 20 | at least one MO circuit switched basic service supported       |
| TSPC_PGSM                         | BOOLEAN | PICS Table A.1 Item 1   | only standard GSM band supported                               |
| TSPC_RefusalCall                  | BOOLEAN | PICS Table A.25 Item 54 | refusal of call supported                                      |



|                       |         |                         |                                                    |
|-----------------------|---------|-------------------------|----------------------------------------------------|
| TSPC_ReplaceSMS       | BOOLEAN | PICS Table A.25 Item 33 | replace SMS supported                              |
| TSPC_ReplyProc        | BOOLEAN | PICS Table A.25 Item 32 | (SMS) reply procedures supported                   |
| TSPC_RFAmp            | BOOLEAN | PICS Table A.25 Item 55 | RF amplification supported                         |
| TSPC_SDCCHOnly        | BOOLEAN | PICS Table A.25 Item 21 | only SDCCH supported                               |
| TSPC_Serv_SS_AoCC     | BOOLEAN | PICS Table A.5 Item 14  | AOCC SS supported                                  |
| TSPC_Serv_SS_BAIC     | BOOLEAN | PICS Table A.5 Item 18  | BAIC SS supported                                  |
| TSPC_Serv_SS_BI       | BOOLEAN | PICS                    | BI SS supported                                    |
| TSPC_Serv_SS_BICRoam  | BOOLEAN | PICS Table A.5 Item 19  | BICRoam SS supported                               |
| TSPC_Serv_SS_BAOC     | BOOLEAN | PICS Table A.5 Item 15  | BAOC SS supported                                  |
| TSPC_Serv_SS_BOIC     | BOOLEAN | PICS Table A.5 Item 16  | BOIC SS supported                                  |
| TSPC_Serv_SS_BOICexHC | BOOLEAN | PICS Table A.5 Item 17  | BOICexHC SS supported                              |
| TSPC_Serv_SS_CFB      | BOOLEAN | PICS Table A.5 Item 6   | CFB supported                                      |
| TSPC_Serv_SS_CFNry    | BOOLEAN | PICS Table A.5 Item 7   | CFNry supported                                    |
| TSPC_Serv_SS_CFNrc    | BOOLEAN | PICS Table A.5 Item 8   | CFNrc supported                                    |
| TSPC_Serv_SS_CFU      | BOOLEAN | PICS Table A.5 Item 5   | CFU supported                                      |
| TSPC_Serv_SS_HOLD     | BOOLEAN | PICS Table A.5 Item 10  | Call Hold SS supported                             |
| TSPC_Serv_SS_MPTY     | BOOLEAN | PICS Table A.5 Item 11  | multiparty SS supported                            |
| TSPC_Serv_SS_unstruct | BOOLEAN | PICS                    | USSD supported                                     |
| TSPC_Serv_TS11        | BOOLEAN | PICS Table A.3 Item 1   | telephony supported                                |
| TSPC_Serv_TS12        | BOOLEAN | PICS Table A.3 Item 2   | emergency call supported                           |
| TSPC_Serv_TS21        | BOOLEAN | PICS Table A.3 Item 3   | SMS MT/PP supported                                |
| TSPC_Serv_TS22        | BOOLEAN | PICS Table A.3 Item 4   | SMS MO/PP supported                                |
| TSPC_Serv_TS23        | BOOLEAN | PICS Table A.3 Item 5   | SMS cell broadcast supported                       |
| TSPC_Serv_TS61_2400   | BOOLEAN | PICS                    | alternate speech and G3 fax (rate: 2400) supported |
| TSPC_Serv_TS61_4800   | BOOLEAN | PICS                    | alternate speech and G3 fax (rate: 4800) supported |
| TSPC_Serv_TS61_9600   | BOOLEAN | PICS                    | alternate speech and G3 fax (rate: 9600) supported |
| TSPC_Serv_TS62_2400   | BOOLEAN | PICS                    | automatic G3 fax (rate: 2400) supported            |
| TSPC_Serv_TS62_4800   | BOOLEAN | PICS                    | automatic G3 fax (rate: 4800) supported            |
| TSPC_Serv_TS62_9600   | BOOLEAN | PICS                    | automatic G3 fax (rate: 9600) supported            |
| TSPC_Serv_BS21        | BOOLEAN | PICS Table A.4 Item 1   | data circuit duplex async 300 bit/s supported      |
| TSPC_Serv_BS22        | BOOLEAN | PICS Table A.4 Item 2   | data circuit duplex async 1200 bit/s supported     |
| TSPC_Serv_BS23        | BOOLEAN | PICS Table A.4 Item 3   | data circuit duplex async 1200/75 bit/s supported  |
| TSPC_Serv_BS24        | BOOLEAN | PICS Table A.4 Item 4   | data circuit duplex async 2400 bit/s supported     |
| TSPC_Serv_BS25        | BOOLEAN | PICS Table A.4 Item 5   | data circuit duplex async 4800 bit/s supported     |
| TSPC_Serv_BS26        | BOOLEAN | PICS Table A.4 Item 6   | data circuit duplex async 9600 bit/s supported     |
| TSPC_Serv_BS31        | BOOLEAN | PICS Table A.4 Item 7   | data circuit duplex sync 1200 bit/s supported      |
| TSPC_Serv_BS32        | BOOLEAN | PICS Table A.4 Item 8   | data circuit duplex sync 2400 bit/s supported      |
| TSPC_Serv_BS33        | BOOLEAN | PICS Table A.4 Item 9   | data circuit duplex sync 4800 bit/s supported      |
| TSPC_Serv_BS34        | BOOLEAN | PICS Table A.4 Item 10  | data circuit duplex sync 9600 bit/s supported      |
| TSPC_Serv_BS41        | BOOLEAN | PICS Table A.4 Item 11  | PAD access 300 bit/s supported                     |
| TSPC_Serv_BS42        | BOOLEAN | PICS Table A.4 Item 12  | PAD access 1200 bit/s supported                    |
| TSPC_Serv_BS43        | BOOLEAN | PICS Table A.4 Item 13  | PAD access 1200/75 bit/s supported                 |
| TSPC_Serv_BS44        | BOOLEAN | PICS Table A.4 Item 14  | PAD access 2400 bit/s supported                    |
| TSPC_Serv_BS45        | BOOLEAN | PICS Table A.4 Item 15  | PAD access 4800 bit/s supported                    |
| TSPC_Serv_BS46        | BOOLEAN | PICS Table A.4 Item 16  | PAD access 9600 bit/s supported                    |
| TSPC_Serv_BS51        | BOOLEAN | PICS Table A.4 Item 17  | packet access 2400 bit/s supported                 |
| TSPC_Serv_BS52        | BOOLEAN | PICS Table A.4 Item 18  | packet access 4800 bit/s supported                 |
| TSPC_Serv_BS53        | BOOLEAN | PICS Table A.4 Item 19  | packet access 9600 bit/s supported                 |

|                       |         |                         |                                                                |
|-----------------------|---------|-------------------------|----------------------------------------------------------------|
| TSPC_Serv_BS61_300    | BOOLEAN | PICS                    | supported                                                      |
| TSPC_Serv_BS61_1200   | BOOLEAN | PICS                    | Bearer Service alternate speech/data (rate: 300) supported     |
| TSPC_Serv_BS61_120075 | BOOLEAN | PICS                    | Bearer Service alternate speech/data (rate: 1200) supported    |
| TSPC_Serv_BS61_2400   | BOOLEAN | PICS                    | Bearer Service alternate speech/data (rate: 1200/75) supported |
| TSPC_Serv_BS61_4800   | BOOLEAN | PICS                    | Bearer Service alternate speech/data (rate: 2400) supported    |
| TSPC_Serv_BS61_9600   | BOOLEAN | PICS                    | Bearer Service alternate speech/data (rate: 4800) supported    |
| TSPC_Serv_BS61_9600   | BOOLEAN | PICS                    | Bearer Service alternate speech/data (rate: 9600) supported    |
| TSPC_Serv_BS81_300    | BOOLEAN | PICS                    | speech followed data (rate: 300) supported                     |
| TSPC_Serv_BS81_1200   | BOOLEAN | PICS                    | speech followed data (rate: 1200) supported                    |
| TSPC_Serv_BS81_120075 | BOOLEAN | PICS                    | speech followed data (rate: 1200/75) supported                 |
| TSPC_Serv_BS81_2400   | BOOLEAN | PICS                    | speech followed data (rate: 2400) supported                    |
| TSPC_Serv_BS81_4800   | BOOLEAN | PICS                    | speech followed data (rate: 4800) supported                    |
| TSPC_Serv_BS81_9600   | BOOLEAN | PICS                    | speech followed data (rate: 9600) supported                    |
| TSPC_SMSStatusRepCap  | BOOLEAN | PICS Table A.25 Item 35 | SMS status report capabilities supported                       |
| TSPC_StoreRcvSMSME    | BOOLEAN | PICS Table A.25 Item 37 | Storage of received SMS in ME supported                        |
| TSPC_StoreRcvSMSSIM   | BOOLEAN | PICS Table A.25 Item 36 | Storage of received SMS in SIM supported                       |
| TSPC_SIMRmv           | BOOLEAN | PICS Table A.25 Item 40 | SIM removable without power down supported                     |
| TSPC_SwitchOnOff      | BOOLEAN | PICS Table A.2 Item 15  | switch on/off supported                                        |
| TSPC_TeleSvc          | BOOLEAN | PICS Table A.25 Item 25 | at least one teleservice supported                             |
| TSPC_TranspDataOnly   | BOOLEAN | PICS Table A.25 Item 9  | only transparent data service supported                        |
| TSPX_AltNb            | BOOLEAN | PIXIT                   | alternative neighbour cells description                        |
| TSPX_BCa              | BCAP    | PIXIT                   | bearer capability supported                                    |
| TSPX_BCb              | BCAP    | PIXIT                   | bearer capability supported                                    |
| TSPX_BC2              | BCAP    | PIXIT                   | bearer capability not supported                                |
| TSPX_BCCHcarrierA     | INTEGER | PIXIT                   | BCCH frequency number of cell A                                |
| TSPX_BCCHcarrierB     | INTEGER | PIXIT                   | BCCH frequency number of cell B                                |
| TSPX_BCCHcarrierA_HO  | INTEGER | PIXIT                   | BCCH frequency number of cell A for handover cases             |
| TSPX_BCCHcarrierB_HO  | INTEGER | PIXIT                   | BCCH frequency number of cell B for handover cases             |
| TSPX_BS_21_1_itc      | B_3     | PIXIT                   | BS 21 1 itc                                                    |
| TSPX_BS_21_1_strc     | B_2     | PIXIT                   | BS 21 1 strc                                                   |
| TSPX_BS_21_1_ra       | B_2     | PIXIT                   | BS 21 1 ra                                                     |
| TSPX_BS_21_1_ir       | B_2     | PIXIT                   | BS 21 1 ir                                                     |
| TSPX_BS_21_1_ce       | B_2     | PIXIT                   | BS 21 1 ce                                                     |
| TSPX_BS_21_1_modemt   | B_5     | PIXIT                   | BS 21 1 modemt                                                 |
| TSPX_BS_21_2_itc      | B_3     | PIXIT                   | BS 21 2 itc                                                    |
| TSPX_BS_21_2_strc     | B_2     | PIXIT                   | BS 21 2 strc                                                   |
| TSPX_BS_21_2_ra       | B_2     | PIXIT                   | BS 21 2 ra                                                     |
| TSPX_BS_21_2_ir       | B_2     | PIXIT                   | BS 21 2 ir                                                     |
| TSPX_BS_21_2_ce       | B_2     | PIXIT                   | BS 21 2 ce                                                     |
| TSPX_BS_21_2_modemt   | B_5     | PIXIT                   | BS 21 2 modemt                                                 |
| TSPX_BS_22_1_itc      | B_3     | PIXIT                   | BS 22 1 itc                                                    |
| TSPX_BS_22_1_strc     | B_2     | PIXIT                   | BS 22 1 strc                                                   |
| TSPX_BS_22_1_ra       | B_2     | PIXIT                   | BS 22 1 ra                                                     |
| TSPX_BS_22_1_ir       | B_2     | PIXIT                   | BS 22 1 ir                                                     |

|                     |     |       |                |
|---------------------|-----|-------|----------------|
| TSPX_BS_22_1_ce     | B_2 | PIXIT | BS 22 1 ce     |
| TSPX_BS_22_1_modemt | B_5 | PIXIT | BS 22 1 modemt |
| TSPX_BS_22_2_itc    | B_3 | PIXIT | BS 22 2 itc    |
| TSPX_BS_22_2_strc   | B_2 | PIXIT | BS 22 2 strc   |
| TSPX_BS_22_2_ra     | B_2 | PIXIT | BS 22 2 ra     |
| TSPX_BS_22_2_ir     | B_2 | PIXIT | BS 22 2 ir     |
| TSPX_BS_22_2_ce     | B_2 | PIXIT | BS 22 2 ce     |
| TSPX_BS_22_2_modemt | B_5 | PIXIT | BS 22 2 modemt |
| TSPX_BS_24_1_itc    | B_3 | PIXIT | BS 24 1 itc    |
| TSPX_BS_24_1_strc   | B_2 | PIXIT | BS 24 1 strc   |
| TSPX_BS_24_1_ra     | B_2 | PIXIT | BS 24 1 ra     |
| TSPX_BS_24_1_ir     | B_2 | PIXIT | BS 24 1 ir     |
| TSPX_BS_24_1_ce     | B_2 | PIXIT | BS 24 1 ce     |
| TSPX_BS_24_1_modemt | B_5 | PIXIT | BS 24 1 modemt |
| TSPX_BS_24_2_itc    | B_3 | PIXIT | BS 24 2 itc    |
| TSPX_BS_24_2_strc   | B_2 | PIXIT | BS 24 2 strc   |
| TSPX_BS_24_2_ra     | B_2 | PIXIT | BS 24 2 ra     |
| TSPX_BS_24_2_ir     | B_2 | PIXIT | BS 24 2 ir     |
| TSPX_BS_24_2_ce     | B_2 | PIXIT | BS 24 2 ce     |
| TSPX_BS_24_2_modemt | B_5 | PIXIT | BS 24 2 modemt |
| TSPX_BS_25_1_itc    | B_3 | PIXIT | BS 25 1 itc    |
| TSPX_BS_25_1_strc   | B_2 | PIXIT | BS 25 1 strc   |
| TSPX_BS_25_1_ra     | B_2 | PIXIT | BS 25 1 ra     |
| TSPX_BS_25_1_ir     | B_2 | PIXIT | BS 25 1 ir     |
| TSPX_BS_25_1_ce     | B_2 | PIXIT | BS 25 1 ce     |
| TSPX_BS_25_1_modemt | B_5 | PIXIT | BS 25 1 modemt |
| TSPX_BS_25_2_itc    | B_3 | PIXIT | BS 25 2 itc    |
| TSPX_BS_25_2_strc   | B_2 | PIXIT | BS 25 2 strc   |
| TSPX_BS_25_2_ra     | B_2 | PIXIT | BS 25 2 ra     |
| TSPX_BS_25_2_ir     | B_2 | PIXIT | BS 25 2 ir     |
| TSPX_BS_25_2_ce     | B_2 | PIXIT | BS 25 2 ce     |
| TSPX_BS_25_2_modemt | B_5 | PIXIT | BS 25 2 modemt |
| TSPX_BS_26_1_itc    | B_3 | PIXIT | BS 26 1 itc    |
| TSPX_BS_26_1_strc   | B_2 | PIXIT | BS 26 1 strc   |
| TSPX_BS_26_1_ra     | B_2 | PIXIT | BS 26 1 ra     |
| TSPX_BS_26_1_ir     | B_2 | PIXIT | BS 26 1 ir     |
| TSPX_BS_26_1_ce     | B_2 | PIXIT | BS 26 1 ce     |
| TSPX_BS_26_1_modemt | B_5 | PIXIT | BS 26 1 modemt |
| TSPX_BS_26_2_itc    | B_3 | PIXIT | BS 26 2 itc    |
| TSPX_BS_26_2_strc   | B_2 | PIXIT | BS 26 2 strc   |
| TSPX_BS_26_2_ra     | B_2 | PIXIT | BS 26 2 ra     |
| TSPX_BS_26_2_ir     | B_2 | PIXIT | BS 26 2 ir     |
| TSPX_BS_26_2_ce     | B_2 | PIXIT | BS 26 2 ce     |
| TSPX_BS_26_2_modemt | B_5 | PIXIT | BS 26 2 modemt |
| TSPX_BS_31_1_itc    | B_3 | PIXIT | BS 31 1 itc    |
| TSPX_BS_31_1_strc   | B_2 | PIXIT | BS 31 1 strc   |
| TSPX_BS_31_1_ra     | B_2 | PIXIT | BS 31 1 ra     |
| TSPX_BS_31_1_sacp   | B_3 | PIXIT | BS 31 1 sacp   |
| TSPX_BS_31_1_ir     | B_2 | PIXIT | BS 31 1 ir     |
| TSPX_BS_31_1_ce     | B_2 | PIXIT | BS 31 1 ce     |
| TSPX_BS_31_1_modemt | B_5 | PIXIT | BS 31 1 modemt |
| TSPX_BS_31_2_itc    | B_3 | PIXIT | BS 31 2 itc    |
| TSPX_BS_31_2_strc   | B_2 | PIXIT | BS 31 2 strc   |
| TSPX_BS_31_2_ra     | B_2 | PIXIT | BS 31 2 ra     |
| TSPX_BS_31_2_sacp   | B_3 | PIXIT | BS 31 2 sacp   |
| TSPX_BS_31_2_ir     | B_2 | PIXIT | BS 31 2 ir     |
| TSPX_BS_31_2_ce     | B_2 | PIXIT | BS 31 2 ce     |
| TSPX_BS_31_2_modemt | B_5 | PIXIT | BS 31 2 modemt |
| TSPX_BS_32_1_itc    | B_3 | PIXIT | BS 32 1 itc    |
| TSPX_BS_32_1_strc   | B_2 | PIXIT | BS 32 1 strc   |
| TSPX_BS_32_1_ra     | B_2 | PIXIT | BS 32 1 ra     |
| TSPX_BS_32_1_sacp   | B_3 | PIXIT | BS 32 1 sacp   |
| TSPX_BS_32_1_ir     | B_2 | PIXIT | BS 32 1 ir     |
| TSPX_BS_32_1_ce     | B_2 | PIXIT | BS 32 1 ce     |
| TSPX_BS_32_1_modemt | B_5 | PIXIT | BS 32 1 modemt |

|                           |         |       |                     |
|---------------------------|---------|-------|---------------------|
| TSPX_BS_32_2_itc          | B_3     | PIXIT | BS 32 2 itc         |
| TSPX_BS_32_2_strc         | B_2     | PIXIT | BS 32 2 strc        |
| TSPX_BS_32_2_ra           | B_2     | PIXIT | BS 32 2 ra          |
| TSPX_BS_32_2_sacp         | B_3     | PIXIT | BS 32 2 sacp        |
| TSPX_BS_32_2_ir           | B_2     | PIXIT | BS 32 2 ir          |
| TSPX_BS_32_2_ce           | B_2     | PIXIT | BS 32 2 ce          |
| TSPX_BS_32_2_modemt       | B_5     | PIXIT | BS 32 2 modemt      |
| TSPX_BS_33_1_itc          | B_3     | PIXIT | BS 33 1 itc         |
| TSPX_BS_33_1_strc         | B_2     | PIXIT | BS 33 1 strc        |
| TSPX_BS_33_1_ra           | B_2     | PIXIT | BS 33 1 ra          |
| TSPX_BS_33_1_sacp         | B_3     | PIXIT | BS 33 1 sacp        |
| TSPX_BS_33_1_ir           | B_2     | PIXIT | BS 33 1 ir          |
| TSPX_BS_33_1_ce           | B_2     | PIXIT | BS 33 1 ce          |
| TSPX_BS_33_1_modemt       | B_5     | PIXIT | BS 33 1 modemt      |
| TSPX_BS_33_2_itc          | B_3     | PIXIT | BS 33 2 itc         |
| TSPX_BS_33_2_strc         | B_2     | PIXIT | BS 33 2 strc        |
| TSPX_BS_33_2_ra           | B_2     | PIXIT | BS 33 2 ra          |
| TSPX_BS_33_2_sacp         | B_3     | PIXIT | BS 33 2 sacp        |
| TSPX_BS_33_2_ir           | B_2     | PIXIT | BS 33 2 ir          |
| TSPX_BS_33_2_ce           | B_2     | PIXIT | BS 33 2 ce          |
| TSPX_BS_33_2_modemt       | B_5     | PIXIT | BS 33 2 modemt      |
| TSPX_BS_34_1_itc          | B_3     | PIXIT | BS 34 1 itc         |
| TSPX_BS_34_1_strc         | B_2     | PIXIT | BS 34 1 strc        |
| TSPX_BS_34_1_ra           | B_2     | PIXIT | BS 34 1 ra          |
| TSPX_BS_34_1_sacp         | B_3     | PIXIT | BS 34 1 sacp        |
| TSPX_BS_34_1_ir           | B_2     | PIXIT | BS 34 1 ir          |
| TSPX_BS_34_1_ce           | B_2     | PIXIT | BS 34 1 ce          |
| TSPX_BS_34_1_modemt       | B_5     | PIXIT | BS 34 1 modemt      |
| TSPX_BS_34_2_itc          | B_3     | PIXIT | BS 34 2 itc         |
| TSPX_BS_34_2_strc         | B_2     | PIXIT | BS 34 2 strc        |
| TSPX_BS_34_2_ra           | B_2     | PIXIT | BS 34 2 ra          |
| TSPX_BS_34_2_sacp         | B_3     | PIXIT | BS 34 2 sacp        |
| TSPX_BS_34_2_ir           | B_2     | PIXIT | BS 34 2 ir          |
| TSPX_BS_34_2_ce           | B_2     | PIXIT | BS 34 2 ce          |
| TSPX_BS_34_2_modemt       | B_5     | PIXIT | BS 34 2 modemt      |
| TSPX_FAX_2400_1_strc      | B_2     | PIXIT | FAX 1 strc          |
| TSPX_FAX_2400_1_ur        | B_4     | PIXIT | FAX 1 ur            |
| TSPX_FAX_2400_1_ir        | B_2     | PIXIT | FAX 1 ir            |
| TSPX_FAX_2400_1_ce        | B_2     | PIXIT | FAX 1 ce            |
| TSPX_FAX_2400_2_strc      | B_2     | PIXIT | FAX 2 strc          |
| TSPX_FAX_2400_2_ur        | B_4     | PIXIT | FAX 2 ur            |
| TSPX_FAX_2400_2_ir        | B_2     | PIXIT | FAX 2 ir            |
| TSPX_FAX_2400_2_ce        | B_2     | PIXIT | FAX 2 ce            |
| TSPX_FAX_4800_1_strc      | B_2     | PIXIT | FAX 1 strc          |
| TSPX_FAX_4800_1_ur        | B_4     | PIXIT | FAX 1 ur            |
| TSPX_FAX_4800_1_ir        | B_2     | PIXIT | FAX 1 ir            |
| TSPX_FAX_4800_1_ce        | B_2     | PIXIT | FAX 1 ce            |
| TSPX_FAX_4800_2_strc      | B_2     | PIXIT | FAX 2 strc          |
| TSPX_FAX_4800_2_ur        | B_4     | PIXIT | FAX 2 ur            |
| TSPX_FAX_4800_2_ir        | B_2     | PIXIT | FAX 2 ir            |
| TSPX_FAX_4800_2_ce        | B_2     | PIXIT | FAX 2 ce            |
| TSPX_FAX_9600_1_strc      | B_2     | PIXIT | FAX 1 strc          |
| TSPX_FAX_9600_1_ur        | B_4     | PIXIT | FAX 1 ur            |
| TSPX_FAX_9600_1_ir        | B_2     | PIXIT | FAX 1 ir            |
| TSPX_FAX_9600_1_ce        | B_2     | PIXIT | FAX 1 ce            |
| TSPX_FAX_9600_2_strc      | B_2     | PIXIT | FAX 2 strc          |
| TSPX_FAX_9600_2_ur        | B_4     | PIXIT | FAX 2 ur            |
| TSPX_FAX_9600_2_ir        | B_2     | PIXIT | FAX 2 ir            |
| TSPX_FAX_9600_2_ce        | B_2     | PIXIT | FAX 2 ce            |
| TSPX_BS_61_300_1_S        | BOOLEAN | PIXIT | BS 61 1 supported ? |
| TSPX_BS_61_300_2_S        | BOOLEAN | PIXIT | BS 61 2 supported ? |
| TSPX_BS_61_300_S_1_ur     | B_4     | PIXIT | BS 61 1 S ur        |
| TSPX_BS_61_300_S_1_ir     | B_2     | PIXIT | BS 61 1 S ir        |
| TSPX_BS_61_300_S_1_modemt | B_5     | PIXIT | BS 61 1 S modemt    |
| emt                       |         |       |                     |

|                                |         |       |                     |
|--------------------------------|---------|-------|---------------------|
| TSPX_BS_61_300_A_1_strc        | B_2     | PIXIT | BS 61 1 A strc      |
| TSPX_BS_61_300_A_1_ur          | B_4     | PIXIT | BS 61 1 A ur        |
| TSPX_BS_61_300_A_1_ir          | B_2     | PIXIT | BS 61 1 A ir        |
| TSPX_BS_61_300_A_1_ce          | B_2     | PIXIT | BS 61 1 A ce        |
| TSPX_BS_61_300_A_1_mod<br>emt  | B_5     | PIXIT | BS 61 1 A modemt    |
| TSPX_BS_61_300_S_2_ur          | B_4     | PIXIT | BS 61 2 S ur        |
| TSPX_BS_61_300_S_2_ir          | B_2     | PIXIT | BS 61 2 S ir        |
| TSPX_BS_61_300_S_2_mod<br>emt  | B_5     | PIXIT | BS 61 2 S modemt    |
| TSPX_BS_61_300_A_2_strc        | B_2     | PIXIT | BS 61 2 A strc      |
| TSPX_BS_61_300_A_2_ur          | B_4     | PIXIT | BS 61 2 A ur        |
| TSPX_BS_61_300_A_2_ir          | B_2     | PIXIT | BS 61 2 A ir        |
| TSPX_BS_61_300_A_2_ce          | B_2     | PIXIT | BS 61 2 A ce        |
| TSPX_BS_61_300_A_2_mod<br>emt  | B_5     | PIXIT | BS 61 2 A modemt    |
| TSPX_BS_61_1200_1_S            | BOOLEAN | PIXIT | BS 61 1 supported ? |
| TSPX_BS_61_1200_2_S            | BOOLEAN | PIXIT | BS 61 2 supported ? |
| TSPX_BS_61_1200_S_1_ur         | B_4     | PIXIT | BS 61 1 S ur        |
| TSPX_BS_61_1200_S_1_ir         | B_2     | PIXIT | BS 61 1 S ir        |
| TSPX_BS_61_1200_S_1_mo<br>demt | B_5     | PIXIT | BS 61 1 S modemt    |
| TSPX_BS_61_1200_A_1_str<br>c   | B_2     | PIXIT | BS 61 1 A strc      |
| TSPX_BS_61_1200_A_1_ur         | B_4     | PIXIT | BS 61 1 A ur        |
| TSPX_BS_61_1200_A_1_ir         | B_2     | PIXIT | BS 61 1 A ir        |
| TSPX_BS_61_1200_A_1_ce         | B_2     | PIXIT | BS 61 1 A ce        |
| TSPX_BS_61_1200_A_1_mo<br>demt | B_5     | PIXIT | BS 61 1 A modemt    |
| TSPX_BS_61_1200_S_2_ur         | B_4     | PIXIT | BS 61 2 S ur        |
| TSPX_BS_61_1200_S_2_ir         | B_2     | PIXIT | BS 61 2 S ir        |
| TSPX_BS_61_1200_S_2_mo<br>demt | B_5     | PIXIT | BS 61 2 S modemt    |
| TSPX_BS_61_1200_A_2_str<br>c   | B_2     | PIXIT | BS 61 2 A strc      |
| TSPX_BS_61_1200_A_2_ur         | B_4     | PIXIT | BS 61 2 A ur        |
| TSPX_BS_61_1200_A_2_ir         | B_2     | PIXIT | BS 61 2 A ir        |
| TSPX_BS_61_1200_A_2_ce         | B_2     | PIXIT | BS 61 2 A ce        |
| TSPX_BS_61_1200_A_2_mo<br>demt | B_5     | PIXIT | BS 61 2 A modemt    |
| TSPX_BS_61_2400_1_S            | BOOLEAN | PIXIT | BS 61 1 supported ? |
| TSPX_BS_61_2400_2_S            | BOOLEAN | PIXIT | BS 61 2 supported ? |
| TSPX_BS_61_2400_S_1_ur         | B_4     | PIXIT | BS 61 1 S ur        |
| TSPX_BS_61_2400_S_1_ir         | B_2     | PIXIT | BS 61 1 S ir        |
| TSPX_BS_61_2400_S_1_mo<br>demt | B_5     | PIXIT | BS 61 1 S modemt    |
| TSPX_BS_61_2400_A_1_str<br>c   | B_2     | PIXIT | BS 61 1 A strc      |
| TSPX_BS_61_2400_A_1_ur         | B_4     | PIXIT | BS 61 1 A ur        |
| TSPX_BS_61_2400_A_1_ir         | B_2     | PIXIT | BS 61 1 A ir        |
| TSPX_BS_61_2400_A_1_ce         | B_2     | PIXIT | BS 61 1 A ce        |
| TSPX_BS_61_2400_A_1_mo<br>demt | B_5     | PIXIT | BS 61 1 A modemt    |
| TSPX_BS_61_2400_S_2_ur         | B_4     | PIXIT | BS 61 2 S ur        |
| TSPX_BS_61_2400_S_2_ir         | B_2     | PIXIT | BS 61 2 S ir        |
| TSPX_BS_61_2400_S_2_mo<br>demt | B_5     | PIXIT | BS 61 2 S modemt    |
| TSPX_BS_61_2400_A_2_str<br>c   | B_2     | PIXIT | BS 61 2 A strc      |
| TSPX_BS_61_2400_A_2_ur         | B_4     | PIXIT | BS 61 2 A ur        |
| TSPX_BS_61_2400_A_2_ir         | B_2     | PIXIT | BS 61 2 A ir        |
| TSPX_BS_61_2400_A_2_ce         | B_2     | PIXIT | BS 61 2 A ce        |
| TSPX_BS_61_2400_A_2_mo<br>demt | B_5     | PIXIT | BS 61 2 A modemt    |
| TSPX_BS_61_4800_1_S            | BOOLEAN | PIXIT | BS 61 1 supported ? |
| TSPX_BS_61_4800_2_S            | BOOLEAN | PIXIT | BS 61 2 supported ? |
| TSPX_BS_61_4800_S_1_ur         | B_4     | PIXIT | BS 61 1 S ur        |

|                            |         |       |                     |
|----------------------------|---------|-------|---------------------|
| TSPX_BS_61_4800_S_1_ir     | B_2     | PIXIT | BS 61 1 S ir        |
| TSPX_BS_61_4800_S_1_modemt | B_5     | PIXIT | BS 61 1 S modemt    |
| TSPX_BS_61_4800_A_1_strc   | B_2     | PIXIT | BS 61 1 A strc      |
| TSPX_BS_61_4800_A_1_ur     | B_4     | PIXIT | BS 61 1 A ur        |
| TSPX_BS_61_4800_A_1_ir     | B_2     | PIXIT | BS 61 1 A ir        |
| TSPX_BS_61_4800_A_1_ce     | B_2     | PIXIT | BS 61 1 A ce        |
| TSPX_BS_61_4800_A_1_modemt | B_5     | PIXIT | BS 61 1 A modemt    |
| TSPX_BS_61_4800_S_2_ur     | B_4     | PIXIT | BS 61 2 S ur        |
| TSPX_BS_61_4800_S_2_ir     | B_2     | PIXIT | BS 61 2 S ir        |
| TSPX_BS_61_4800_S_2_modemt | B_5     | PIXIT | BS 61 2 S modemt    |
| TSPX_BS_61_4800_A_2_strc   | B_2     | PIXIT | BS 61 2 A strc      |
| TSPX_BS_61_4800_A_2_ur     | B_4     | PIXIT | BS 61 2 A ur        |
| TSPX_BS_61_4800_A_2_ir     | B_2     | PIXIT | BS 61 2 A ir        |
| TSPX_BS_61_4800_A_2_ce     | B_2     | PIXIT | BS 61 2 A ce        |
| TSPX_BS_61_4800_A_2_modemt | B_5     | PIXIT | BS 61 2 A modemt    |
| TSPX_BS_61_9600_1_S        | BOOLEAN | PIXIT | BS 61 1 supported ? |
| TSPX_BS_61_9600_2_S        | BOOLEAN | PIXIT | BS 61 2 supported ? |
| TSPX_BS_61_9600_S_1_ur     | B_4     | PIXIT | BS 61 1 S ur        |
| TSPX_BS_61_9600_S_1_ir     | B_2     | PIXIT | BS 61 1 S ir        |
| TSPX_BS_61_9600_S_1_modemt | B_5     | PIXIT | BS 61 1 S modemt    |
| TSPX_BS_61_9600_A_1_strc   | B_2     | PIXIT | BS 61 1 A strc      |
| TSPX_BS_61_9600_A_1_ur     | B_4     | PIXIT | BS 61 1 A ur        |
| TSPX_BS_61_9600_A_1_ir     | B_2     | PIXIT | BS 61 1 A ir        |
| TSPX_BS_61_9600_A_1_ce     | B_2     | PIXIT | BS 61 1 A ce        |
| TSPX_BS_61_9600_A_1_modemt | B_5     | PIXIT | BS 61 1 A modemt    |
| TSPX_BS_61_9600_S_2_ur     | B_4     | PIXIT | BS 61 2 S ur        |
| TSPX_BS_61_9600_S_2_ir     | B_2     | PIXIT | BS 61 2 S ir        |
| TSPX_BS_61_9600_S_2_modemt | B_5     | PIXIT | BS 61 2 S modemt    |
| TSPX_BS_61_9600_A_2_strc   | B_2     | PIXIT | BS 61 2 A strc      |
| TSPX_BS_61_9600_A_2_ur     | B_4     | PIXIT | BS 61 2 A ur        |
| TSPX_BS_61_9600_A_2_ir     | B_2     | PIXIT | BS 61 2 A ir        |
| TSPX_BS_61_9600_A_2_ce     | B_2     | PIXIT | BS 61 2 A ce        |
| TSPX_BS_61_9600_A_2_modemt | B_5     | PIXIT | BS 61 2 A modemt    |
| TSPX_BS_81_300_1_S         | BOOLEAN | PIXIT | BS 81 1 supported ? |
| TSPX_BS_81_300_2_S         | BOOLEAN | PIXIT | BS 81 2 supported ? |
| TSPX_BS_81_300_S_1_ur      | B_4     | PIXIT | BS 81 1 S ur        |
| TSPX_BS_81_300_S_1_ir      | B_2     | PIXIT | BS 81 1 S ir        |
| TSPX_BS_81_300_S_1_modemt  | B_5     | PIXIT | BS 81 1 S modemt    |
| TSPX_BS_81_300_A_1_strc    | B_2     | PIXIT | BS 81 1 A strc      |
| TSPX_BS_81_300_A_1_ur      | B_4     | PIXIT | BS 81 1 A ur        |
| TSPX_BS_81_300_A_1_ir      | B_2     | PIXIT | BS 81 1 A ir        |
| TSPX_BS_81_300_A_1_ce      | B_2     | PIXIT | BS 81 1 A ce        |
| TSPX_BS_81_300_A_1_modemt  | B_5     | PIXIT | BS 81 1 A modemt    |
| TSPX_BS_81_300_S_2_ur      | B_4     | PIXIT | BS 81 2 S ur        |
| TSPX_BS_81_300_S_2_ir      | B_2     | PIXIT | BS 81 2 S ir        |
| TSPX_BS_81_300_S_2_modemt  | B_5     | PIXIT | BS 81 2 S modemt    |
| TSPX_BS_81_300_A_2_strc    | B_2     | PIXIT | BS 81 2 A strc      |
| TSPX_BS_81_300_A_2_ur      | B_4     | PIXIT | BS 81 2 A ur        |
| TSPX_BS_81_300_A_2_ir      | B_2     | PIXIT | BS 81 2 A ir        |
| TSPX_BS_81_300_A_2_ce      | B_2     | PIXIT | BS 81 2 A ce        |
| TSPX_BS_81_300_A_2_modemt  | B_5     | PIXIT | BS 81 2 A modemt    |
| TSPX_BS_81_1200_1_S        | BOOLEAN | PIXIT | BS 81 1 supported ? |

|                           |         |       |                     |
|---------------------------|---------|-------|---------------------|
| TSPX_BS_81_1200_2_S       | BOOLEAN | PIXIT | BS 81 2 supported ? |
| TSPX_BS_81_1200_S_1_ur    | B_4     | PIXIT | BS 81 1 S ur        |
| TSPX_BS_81_1200_S_1_ir    | B_2     | PIXIT | BS 81 1 S ir        |
| TSPX_BS_81_1200_S_1_modem | B_5     | PIXIT | BS 81 1 S modem     |
| TSPX_BS_81_1200_A_1_strc  | B_2     | PIXIT | BS 81 1 A strc      |
| TSPX_BS_81_1200_A_1_ur    | B_4     | PIXIT | BS 81 1 A ur        |
| TSPX_BS_81_1200_A_1_ir    | B_2     | PIXIT | BS 81 1 A ir        |
| TSPX_BS_81_1200_A_1_ce    | B_2     | PIXIT | BS 81 1 A ce        |
| TSPX_BS_81_1200_A_1_modem | B_5     | PIXIT | BS 81 1 A modem     |
| TSPX_BS_81_1200_S_2_ur    | B_4     | PIXIT | BS 81 2 S ur        |
| TSPX_BS_81_1200_S_2_ir    | B_2     | PIXIT | BS 81 2 S ir        |
| TSPX_BS_81_1200_S_2_modem | B_5     | PIXIT | BS 81 2 S modem     |
| TSPX_BS_81_1200_A_2_strc  | B_2     | PIXIT | BS 81 2 A strc      |
| TSPX_BS_81_1200_A_2_ur    | B_4     | PIXIT | BS 81 2 A ur        |
| TSPX_BS_81_1200_A_2_ir    | B_2     | PIXIT | BS 81 2 A ir        |
| TSPX_BS_81_1200_A_2_ce    | B_2     | PIXIT | BS 81 2 A ce        |
| TSPX_BS_81_1200_A_2_modem | B_5     | PIXIT | BS 81 2 A modem     |
| TSPX_BS_81_2400_1_S       | BOOLEAN | PIXIT | BS 81 1 supported ? |
| TSPX_BS_81_2400_2_S       | BOOLEAN | PIXIT | BS 81 2 supported ? |
| TSPX_BS_81_2400_S_1_ur    | B_4     | PIXIT | BS 81 1 S ur        |
| TSPX_BS_81_2400_S_1_ir    | B_2     | PIXIT | BS 81 1 S ir        |
| TSPX_BS_81_2400_S_1_modem | B_5     | PIXIT | BS 81 1 S modem     |
| TSPX_BS_81_2400_A_1_strc  | B_2     | PIXIT | BS 81 1 A strc      |
| TSPX_BS_81_2400_A_1_ur    | B_4     | PIXIT | BS 81 1 A ur        |
| TSPX_BS_81_2400_A_1_ir    | B_2     | PIXIT | BS 81 1 A ir        |
| TSPX_BS_81_2400_A_1_ce    | B_2     | PIXIT | BS 81 1 A ce        |
| TSPX_BS_81_2400_A_1_modem | B_5     | PIXIT | BS 81 1 A modem     |
| TSPX_BS_81_2400_S_2_ur    | B_4     | PIXIT | BS 81 2 S ur        |
| TSPX_BS_81_2400_S_2_ir    | B_2     | PIXIT | BS 81 2 S ir        |
| TSPX_BS_81_2400_S_2_modem | B_5     | PIXIT | BS 81 2 S modem     |
| TSPX_BS_81_2400_A_2_strc  | B_2     | PIXIT | BS 81 2 A strc      |
| TSPX_BS_81_2400_A_2_ur    | B_4     | PIXIT | BS 81 2 A ur        |
| TSPX_BS_81_2400_A_2_ir    | B_2     | PIXIT | BS 81 2 A ir        |
| TSPX_BS_81_2400_A_2_ce    | B_2     | PIXIT | BS 81 2 A ce        |
| TSPX_BS_81_2400_A_2_modem | B_5     | PIXIT | BS 81 2 A modem     |
| TSPX_BS_81_4800_1_S       | BOOLEAN | PIXIT | BS 81 1 supported ? |
| TSPX_BS_81_4800_2_S       | BOOLEAN | PIXIT | BS 81 2 supported ? |
| TSPX_BS_81_4800_S_1_ur    | B_4     | PIXIT | BS 81 1 S ur        |
| TSPX_BS_81_4800_S_1_ir    | B_2     | PIXIT | BS 81 1 S ir        |
| TSPX_BS_81_4800_S_1_modem | B_5     | PIXIT | BS 81 1 S modem     |
| TSPX_BS_81_4800_A_1_strc  | B_2     | PIXIT | BS 81 1 A strc      |
| TSPX_BS_81_4800_A_1_ur    | B_4     | PIXIT | BS 81 1 A ur        |
| TSPX_BS_81_4800_A_1_ir    | B_2     | PIXIT | BS 81 1 A ir        |
| TSPX_BS_81_4800_A_1_ce    | B_2     | PIXIT | BS 81 1 A ce        |
| TSPX_BS_81_4800_A_1_modem | B_5     | PIXIT | BS 81 1 A modem     |
| TSPX_BS_81_4800_S_2_ur    | B_4     | PIXIT | BS 81 2 S ur        |
| TSPX_BS_81_4800_S_2_ir    | B_2     | PIXIT | BS 81 2 S ir        |
| TSPX_BS_81_4800_S_2_modem | B_5     | PIXIT | BS 81 2 S modem     |
| TSPX_BS_81_4800_A_2_strc  | B_2     | PIXIT | BS 81 2 A strc      |
| TSPX_BS_81_4800_A_2_ur    | B_4     | PIXIT | BS 81 2 A ur        |
| TSPX_BS_81_4800_A_2_ir    | B_2     | PIXIT | BS 81 2 A ir        |

|                            |         |       |                                                                                                 |
|----------------------------|---------|-------|-------------------------------------------------------------------------------------------------|
| TSPX_BS_81_4800_A_2_ce     | B_2     | PIXIT | BS 81 2 A ce                                                                                    |
| TSPX_BS_81_4800_A_2_modemt | B_5     | PIXIT | BS 81 2 A modemt                                                                                |
| TSPX_BS_81_9600_1_S        | BOOLEAN | PIXIT | BS 81 1 supported ?                                                                             |
| TSPX_BS_81_9600_2_S        | BOOLEAN | PIXIT | BS 81 2 supported ?                                                                             |
| TSPX_BS_81_9600_S_1_ur     | B_4     | PIXIT | BS 81 1 S ur                                                                                    |
| TSPX_BS_81_9600_S_1_ir     | B_2     | PIXIT | BS 81 1 S ir                                                                                    |
| TSPX_BS_81_9600_S_1_modemt | B_5     | PIXIT | BS 81 1 S modemt                                                                                |
| TSPX_BS_81_9600_A_1_strc   | B_2     | PIXIT | BS 81 1 A strc                                                                                  |
| TSPX_BS_81_9600_A_1_ur     | B_4     | PIXIT | BS 81 1 A ur                                                                                    |
| TSPX_BS_81_9600_A_1_ir     | B_2     | PIXIT | BS 81 1 A ir                                                                                    |
| TSPX_BS_81_9600_A_1_ce     | B_2     | PIXIT | BS 81 1 A ce                                                                                    |
| TSPX_BS_81_9600_A_1_modemt | B_5     | PIXIT | BS 81 1 A modemt                                                                                |
| TSPX_BS_81_9600_S_2_ur     | B_4     | PIXIT | BS 81 2 S ur                                                                                    |
| TSPX_BS_81_9600_S_2_ir     | B_2     | PIXIT | BS 81 2 S ir                                                                                    |
| TSPX_BS_81_9600_S_2_modemt | B_5     | PIXIT | BS 81 2 S modemt                                                                                |
| TSPX_BS_81_9600_A_2_strc   | B_2     | PIXIT | BS 81 2 A strc                                                                                  |
| TSPX_BS_81_9600_A_2_ur     | B_4     | PIXIT | BS 81 2 A ur                                                                                    |
| TSPX_BS_81_9600_A_2_ir     | B_2     | PIXIT | BS 81 2 A ir                                                                                    |
| TSPX_BS_81_9600_A_2_ce     | B_2     | PIXIT | BS 81 2 A ce                                                                                    |
| TSPX_BS_81_9600_A_2_modemt | B_5     | PIXIT | BS 81 2 A modemt                                                                                |
| TSPX_CallCntrlCap          | CCCAP   | PIXIT | call control capabilities                                                                       |
| TSPX_ChModF                | CHMOD   | PIXIT | channel mode for RR testing                                                                     |
| TSPX_ChModH                | CHMOD   | PIXIT | channel mode for RR testing                                                                     |
| TSPX_ChModsup              | CHMOD   | PIXIT | channel mode for EGSM testing. Arbitrary supported value except signalling and Full rate speech |
| TSPX_CKSNA                 | CKSN    | PIXIT | cipher key sequence number                                                                      |
| TSPX_CKSNB                 | CKSN    | PIXIT | cipher key sequence number                                                                      |
| TSPX_CKSNC                 | CKSN    | PIXIT | cipher key sequence number                                                                      |
| TSPX_CKSNDef               | CKSN    | PIXIT | default cipher key sequence number                                                              |
| TSPX_ClassMark1            | MSCLM1  | PIXIT | class mark 1                                                                                    |
| TSPX_ClassMark2            | MSCLM2  | PIXIT | class mark 2                                                                                    |
| TSPX_ClassMark2Amp         | MSCLM2  | PIXIT | class mark 2 with external RF amplifier                                                         |
| TSPX_ClassMark3            | MSCLM3  | PIXIT | class mark 3                                                                                    |
| TSPX_CphAlgA               | CPHALG  | PIXIT | ciphering algorithm supported                                                                   |
| TSPX_CphAlgB               | CPHALG  | PIXIT | ciphering algorithm supported                                                                   |
| TSPX_CphAlgC               | CPHALG  | PIXIT | ciphering algorithm supported                                                                   |
| TSPX_CphAlgD               | CPHALG  | PIXIT | ciphering algorithm supported                                                                   |
| TSPX_CphAlgE               | CPHALG  | PIXIT | ciphering algorithm supported                                                                   |
| TSPX_CphAlgDef             | CPHALG  | PIXIT | default ciphering algorithm                                                                     |
| TSPX_DTMFInd               | BOOLEAN | PIXIT | DTMF indication to user supported                                                               |
| TSPX_HLCmpA                | HLCMP   | PIXIT | high layer compatibility for TSPX_BCa                                                           |
| TSPX_HLCmpB                | HLCMP   | PIXIT | high layer compatibility for TSPX_BCb                                                           |
| TSPX_hoaccessA             | INTEGER | PIXIT | Hand over access counter in non synchronised HO cases                                           |
| TSPX_hoaccessB             | INTEGER | PIXIT | Hand over access counter in non synchronised HO cases                                           |
| TSPX_hoaccessC             | INTEGER | PIXIT | Hand over access counter in non synchronised HO cases                                           |
| TSPX_hoaccessD             | INTEGER | PIXIT | Hand over access counter in non synchronised HO cases                                           |
| TSPX_hoaccessE             | INTEGER | PIXIT | Hand over access counter in non synchronised HO cases                                           |
| TSPX_hoaccessF             | INTEGER | PIXIT | Hand over access counter in non synchronised HO cases                                           |
| TSPX_hoaccessG             | INTEGER | PIXIT | Hand over access counter in non                                                                 |



|                   |           |       |                                                                                |
|-------------------|-----------|-------|--------------------------------------------------------------------------------|
| TSPX_hoaccessH    | INTEGER   | PIXIT | synchronised HO cases<br>Hand over access counter in non synchronised HO cases |
| TSPX_hoaccessI    | INTEGER   | PIXIT | Hand over access counter in non synchronised HO cases                          |
| TSPX_hoaccessJ    | INTEGER   | PIXIT | Hand over access counter in non synchronised HO cases                          |
| TSPX_horfA        | HORF      | PIXIT | Hand over reference,<br>GSM 04.08, 10.5.2.15                                   |
| TSPX_horfB        | HORF      | PIXIT | Hand over reference,<br>GSM 04.08, 10.5.2.15                                   |
| TSPX_horfC        | HORF      | PIXIT | Hand over reference,<br>GSM 04.08, 10.5.2.15                                   |
| TSPX_horfD        | HORF      | PIXIT | Hand over reference,<br>GSM 04.08, 10.5.2.15                                   |
| TSPX_horfE        | HORF      | PIXIT | Hand over reference,<br>GSM 04.08, 10.5.2.15                                   |
| TSPX_horfF        | HORF      | PIXIT | Hand over reference,<br>GSM 04.08, 10.5.2.15                                   |
| TSPX_horfG        | HORF      | PIXIT | Hand over reference,<br>GSM 04.08, 10.5.2.15                                   |
| TSPX_horfH        | HORF      | PIXIT | Hand over reference,<br>GSM 04.08, 10.5.2.15                                   |
| TSPX_horfI        | HORF      | PIXIT | Hand over reference,<br>GSM 04.08, 10.5.2.15                                   |
| TSPX_horfJ        | HORF      | PIXIT | Hand over reference,<br>GSM 04.08, 10.5.2.15                                   |
| TSPX_HSN          | HORF      | PIXIT | Hopping sequence number<br>GSM 04.08, 10.5.2.5                                 |
| TSPX_IMSI         | HEXSTRING | PIXIT | IMSI of the MS                                                                 |
| TSPX_IMEI         | HEXSTRING | PIXIT | IMEI of the MS.                                                                |
| TSPX_IMEISV       | HEXSTRING | PIXIT | IMEISV of the MS.<br>Used in: TC_26_6_8_5,<br>TC_26_7_3_1                      |
| TSPX_k1           | INTEGER   | PIXIT | timing difference between cell A<br>and cell B for TC_26_6_5_5_1               |
| TSPX_Ki           | BITSTRING | PIXIT | default authentication key used in<br>testing                                  |
| TSPX_LLCmpA       | LLCMP     | PIXIT | low layer compatibility for<br>TSPX_BCa                                        |
| TSPX_LLCmpB       | LLCMP     | PIXIT | low layer compatibility for<br>TSPX_BCb                                        |
| TSPX_MAIO         | MAIO      | PIXIT | mobile allocation index offset,<br>GSM 04.08, 10.5.2.5                         |
| TSPX_MaxRetrans   | INTEGER   | PIXIT | Max-Retrans                                                                    |
| TSPX_MSTxpwrMax   | MAXTXPOW  | PIXIT | maximum output power from MS                                                   |
| TSPX_PwrIvIA      | LEVEL     | PIXIT | power level in power control<br>command                                        |
| TSPX_PwrIvIB      | LEVEL     | PIXIT | power level in power control<br>command                                        |
| TSPX_PwrIvIC      | LEVEL     | PIXIT | power level in power control<br>command                                        |
| TSPX_PwrIvID      | LEVEL     | PIXIT | power level in power control<br>command                                        |
| TSPX_RANDA        | RAND      | PIXIT | challenge RAND                                                                 |
| TSPX_RANDB        | RAND      | PIXIT | challenge RAND                                                                 |
| TSPX_RANDC        | RAND      | PIXIT | challenge RAND                                                                 |
| TSPX_RANDDef      | RAND      | PIXIT | default challenge RAND                                                         |
| TSPX_SDCCH4SubA   | CH_TDMA   | PIXIT | TDMA offset of SDCCH/4<br>subchannel                                           |
| TSPX_SDCCH4SubB   | CH_TDMA   | PIXIT | TDMA offset of SDCCH/4<br>subchannel                                           |
| TSPX_SDCCH4SubC   | CH_TDMA   | PIXIT | TDMA offset of SDCCH/4<br>subchannel                                           |
| TSPX_SDCCH4SubDef | CH_TDMA   | PIXIT | TDMA offset of default SDCCH/4<br>subchannel                                   |
| TSPX_SDCCH8SubA   | CH_TDMA   | PIXIT | TDMA offset of SDCCH/8<br>subchannel                                           |

|                        |         |       |                                                                      |
|------------------------|---------|-------|----------------------------------------------------------------------|
| TSPX_SDCCH8SubB        | CH_TDMA | PIXIT | TDMA offset of SDCCH/8 subchannel                                    |
| TSPX_SDCCH8SubC        | CH_TDMA | PIXIT | TDMA offset of SDCCH/8 subchannel                                    |
| TSPX_SDCCH8SubD        | CH_TDMA | PIXIT | TDMA offset of SDCCH/8 subchannel                                    |
| TSPX_SDCCH8SubE        | CH_TDMA | PIXIT | TDMA offset of SDCCH/8 subchannel                                    |
| TSPX_SDCCH8SubF        | CH_TDMA | PIXIT | TDMA offset of SDCCH/8 subchannel                                    |
| TSPX_SDCCH8SubG        | CH_TDMA | PIXIT | TDMA offset of SDCCH/8 subchannel                                    |
| TSPX_SDCCH8SubDef      | CH_TDMA | PIXIT | default SDCCH/8 subchannel                                           |
| TSPX_TC1M              | INTEGER | PIXIT | timer value for GSM timer TC1M (for SMS)                             |
| TSPX_MaxCPDataRetx     | INTEGER | PIXIT | max. number of CP data retransmissions for SMS                       |
| TSPX_Telephony_Immconn | BOOLEAN | PIXIT | Immediate connect for telephony supported ?                          |
| TSPX_TimadvA           | TA_VAL  | PIXIT | timing advance                                                       |
| TSPX_TimadvB           | TA_VAL  | PIXIT | timing advance                                                       |
| TSPX_TimadvC           | TA_VAL  | PIXIT | timing advance                                                       |
| TSPX_TmSltA            | SN      | PIXIT | time slot                                                            |
| TSPX_TmSltB            | SN      | PIXIT | time slot                                                            |
| TSPX_TmSltC            | SN      | PIXIT | time slot                                                            |
| TSPX_TmSltD            | SN      | PIXIT | time slot                                                            |
| TSPX_TmSltE            | SN      | PIXIT | time slot                                                            |
| TSPX_TmSltF            | SN      | PIXIT | time slot                                                            |
| TSPX_TmSltG            | SN      | PIXIT | time slot                                                            |
| TSPX_TmSltDef          | SN      | PIXIT | default time slot                                                    |
| TSPX_TmSltNotZero      | SN      | PIXIT | time slot, arbitrarily value, but not zero.                          |
| TSPX_TmSltNotZero1     | SN      | PIXIT | time slot, arbitrarily value, but not zero and not TSPX_TmSltNotZero |
| TSPX_Txint             | INTEGER | PIXIT | Tx-Integer                                                           |
| TSPX_TscA              | TSC     | PIXIT | training sequence code                                               |
| TSPX_TscB              | TSC     | PIXIT | training sequence code                                               |
| TSPX_TscC              | TSC     | PIXIT | training sequence code                                               |
| TSPX_TscD              | TSC     | PIXIT | training sequence code                                               |
| TSPX_TscE              | TSC     | PIXIT | training sequence code                                               |
| TSPX_TscF              | TSC     | PIXIT | training sequence code                                               |
| TSPX_TscG              | TSC     | PIXIT | training sequence code                                               |
| TSPX_TscDef            | TSC     | PIXIT | default TSC                                                          |
| TSPX_MOChRateA         | RATE    | PIXIT | channel rate (full or half)                                          |
| TSPX_MOChRateB         | RATE    | PIXIT | channel rate (full or half)                                          |
| TSPX_MOChRateC         | RATE    | PIXIT | channel rate (full or half)                                          |
| TSPX_MOChRateD         | RATE    | PIXIT | channel rate (full or half)                                          |
| TSPX_MOChRateE         | RATE    | PIXIT | channel rate (full or half)                                          |
| TSPX_MOChRateF         | RATE    | PIXIT | channel rate (full or half)                                          |
| TSPX_MOChRateG         | RATE    | PIXIT | channel rate (full or half)                                          |
| TSPX_MOChRateH         | RATE    | PIXIT | channel rate (full or half)                                          |
| TSPX_MOChRateI         | RATE    | PIXIT | channel rate (full or half)                                          |
| TSPX_MOChRateJ         | RATE    | PIXIT | channel rate (full or half)                                          |
| TSPX_MTChRateA         | RATE    | PIXIT | channel rate (full or half)                                          |
| TSPX_MTChRateB         | RATE    | PIXIT | channel rate (full or half)                                          |
| TSPX_MTChRateC         | RATE    | PIXIT | channel rate (full or half)                                          |
| TSPX_MTChRateD         | RATE    | PIXIT | channel rate (full or half)                                          |
| TSPX_MTChRateE         | RATE    | PIXIT | channel rate (full or half)                                          |
| TSPX_MTChRateF         | RATE    | PIXIT | channel rate (full or half)                                          |
| TSPX_MTChRateG         | RATE    | PIXIT | channel rate (full or half)                                          |
| TSPX_MTChRateH         | RATE    | PIXIT | channel rate (full or half)                                          |
| TSPX_MTChRateI         | RATE    | PIXIT | channel rate (full or half)                                          |
| TSPX_MTChRateJ         | RATE    | PIXIT | channel rate (full or half)                                          |
| TSPX_MTNIC_ChRateA     | RATE    | PIXIT | channel rate (full or half)                                          |
| TSPX_MTNIC_ChRateB     | RATE    | PIXIT | channel rate (full or half)                                          |
| TSPX_MTNIC_ChRateC     | RATE    | PIXIT | channel rate (full or half)                                          |

|                      |         |       |                                                                                                                                                    |
|----------------------|---------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| TSPX_MTNIC_ChRateD   | RATE    | PIXIT | channel rate (full or half)                                                                                                                        |
| TSPX_MTNIC_ChRateE   | RATE    | PIXIT | channel rate (full or half)                                                                                                                        |
| TSPX_MTNIC_ChRateF   | RATE    | PIXIT | channel rate (full or half)                                                                                                                        |
| TSPX_MTNIC_ChRateG   | RATE    | PIXIT | channel rate (full or half)                                                                                                                        |
| TSPX_MTNIC_ChRateH   | RATE    | PIXIT | channel rate (full or half)                                                                                                                        |
| TSPX_MTNIC_ChRateI   | RATE    | PIXIT | channel rate (full or half)                                                                                                                        |
| TSPX_MTNIC_ChRateJ   | RATE    | PIXIT | channel rate (full or half)                                                                                                                        |
| TSPX_T3122           | WI      | PIXIT | value of timer T3122,<br>HEXSTRING[2]                                                                                                              |
| TSPX_T3210           | INTEGER | PIXIT | timer value for GSM timer T3210                                                                                                                    |
| TSPX_T3211min        | INTEGER | PIXIT | timer value:<br>(T3211 - 10% T3211)                                                                                                                |
| TSPX_T3230min        | INTEGER | PIXIT | timer value: 90% T3230                                                                                                                             |
| TSPX_T3240min        | INTEGER | PIXIT | timer value: 90% T3240                                                                                                                             |
| TSPX_T3240tol        | INTEGER | PIXIT | timer value:<br>( TSPX_T3240max -<br>TSPX_T3240min)                                                                                                |
| TSPX_TCHcarrierA     | INTEGER | PIXIT | TCH and SDCCH channel<br>frequency number of cell A                                                                                                |
| TSPX_TCHcarrierA_ho  | INTEGER | PIXIT | not BCCH carrier of cell A. the<br>value can be chosen arbitrarily<br>from cell allocation of cell A,<br>which is in Frql_20_A0 and<br>Frql_20_A0d |
| TSPX_TCHcarrierB     | INTEGER | PIXIT | TCH and SDCCH channel<br>frequency number of cell B                                                                                                |
| TSPX_TCHcarrierB_ho  | INTEGER | PIXIT | not BCCH carrier of cell B. the<br>value can be chosen arbitrarily<br>from cell allocation of cell B,<br>which is in Frql_20_B0 and<br>Frql_20_B0d |
| TSPX_TCHcarrierB2_ho | INTEGER | PIXIT | Chosen arbitrarily from cell<br>allocation B for HO cases, but not<br>BCCH carrier!                                                                |
| TSPX_TCHHSubA        | CH_TDMA | PIXIT | TDMA offset of half rate<br>subchannel                                                                                                             |
| TSPX_TCHHSubDef      | CH_TDMA | PIXIT | TDMA offset of default half rate<br>subchannel                                                                                                     |
| TSPX_TMSI            | TMSI_V  | PIXIT | TMSI of the MS used in test                                                                                                                        |
| TSPX_TMSI1           | TMSI_V  | PIXIT | another TMSI used in test which<br>shall differ from TSPX_TMSI,<br>TSPX_TMSI + '01'O<br>TSPX_TMSI + '02'O<br>TSPX_TMSI + '03'O                     |
| TSPX_UuInfo          | UU      | PIXIT | user-user information                                                                                                                              |
| TSPX_k               | INTEGER | PIXIT | timing difference between cell A<br>and cell B for TC_26_6_5_5_2                                                                                   |
| TSPX_y               | INTEGER | PIXIT | timing advance for<br>TC_26_6_5_5_2                                                                                                                |
| TSPX_k2              | INTEGER | PIXIT | timing difference between cell A<br>and cell B for TC_26_6_5_6                                                                                     |
| TSPX_y2              | INTEGER | PIXIT | timing advance for TC_26_6_5_6                                                                                                                     |
| TSPX_k3              | INTEGER | PIXIT | timing difference between cell A<br>and cell B for TC_26_6_5_7                                                                                     |
| TSPX_y3              | INTEGER | PIXIT | timing advance for TC_26_6_5_7                                                                                                                     |
| TSPX_nPara           | INTEGER | PIXIT | the n'th ChReq for TC_26_6_1_2                                                                                                                     |
| TSPX_kPara           | INTEGER | PIXIT | the k'th ChReq for TC_26_6_1_2                                                                                                                     |
| TSPX_rPara           | INTEGER | PIXIT | the r'th ChReq for TC_26_6_1_2                                                                                                                     |
| TSPX_i1Para          | INTEGER | PIXIT | for TC_26_1_2                                                                                                                                      |
| TSPX_i2Para          | INTEGER | PIXIT | for TC_26_1_2                                                                                                                                      |
| TSPX_i3Para          | INTEGER | PIXIT | the r'th ChReq for TC_26_6_1_2                                                                                                                     |
| TSPX_n1Para          | INTEGER | PIXIT | the n'th ChReq for TC_26_6_1_3                                                                                                                     |
| TSPX_i4Para          | INTEGER | PIXIT | for TC_26_6_1_3                                                                                                                                    |
| TSPX_xPara           | INTEGER | PIXIT | t3122 for TC_26_6_1_3                                                                                                                              |
| TSPX_AGBLKS1         | INTEGER | PIXIT | BS-AG-BLKS-RES for<br>TC_26_6_2_3_1                                                                                                                |
| TSPX_PAMFRMS1        | INTEGER | PIXIT | BS-PA-MFRMS for<br>TC_26_6_2_3_1 (shall not be set<br>to 9)                                                                                        |

|                |           |       |                                                                               |
|----------------|-----------|-------|-------------------------------------------------------------------------------|
| TSPX_PgSubch   | INTEGER   | PIXIT | paging subchannel for TC_26_6_2_3_1                                           |
| TSPX_AGBLKS2   | INTEGER   | PIXIT | BS-AG-BLKS-RES for TC_26_6_2_3_2                                              |
| TSPX_PAMFRMS2  | INTEGER   | PIXIT | BS-PA-MFRMS for TC_26_6_2_3_2                                                 |
| TSPX_CcchConf2 | CCCH_CON  | PIXIT | paging subchannel for TC_26_6_2_3_2                                           |
| TSPX_AGBLKS3   | INTEGER   | PIXIT | BS-AG-BLKS-RES for TC_26_6_2_4                                                |
| TSPX_PAMFRMS3  | INTEGER   | PIXIT | BS-PA-MFRMS for TC_26_6_2_4                                                   |
| TSPX_CcchConf3 | CCCH_CON  | PIXIT | paging subchannel for TC_26_6_2_4                                             |
| TSPX_AGBLKS4   | INTEGER   | PIXIT | BS-AG-BLKS-RES for TC_26_6_2_5                                                |
| TSPX_PAMFRMS4  | INTEGER   | PIXIT | BS-PA-MFRMS for TC_26_6_2_5                                                   |
| TSPX_CcchConf4 | CCCH_CON  | PIXIT | paging subchannel for TC_26_6_2_5 (shall be in the set ('010', '100', '110')) |
| TSPX_Chtp1     | CH_TDMA   | PIXIT | channel type for TC_26_6_13_1                                                 |
| TSPX_ChMod1    | CHMOD_VAL | PIXIT | channel mode for TC_26_6_13_1                                                 |
| TSPX_Tm1       | INTEGER   | PIXIT | a value to calculate the starting time for TC_26_6_13_1                       |
| TSPX_Maio1     | MAIO      | PIXIT | hopping parameter for TC_26_6_13_1                                            |
| TSPX_Ma1       | MAC       | PIXIT | mobile allocation for TC_26_6_13_1                                            |
| TSPX_Hsn1      | HSN       | PIXIT | hopping parameter for TC_26_6_13_1                                            |
| TSPX_Maio2     | MAIO      | PIXIT | hopping parameter for TC_26_6_13_1                                            |
| TSPX_Ma2       | MAC       | PIXIT | mobile allocation for TC_26_6_13_1                                            |
| TSPX_Hsn2      | HSN       | PIXIT | hopping parameter for TC_26_6_13_1                                            |
| TSPX_Maio3     | MAIO      | PIXIT | hopping parameter for TC_26_6_13_1                                            |
| TSPX_Ma3       | MAC       | PIXIT | mobile allocation for TC_26_6_13_1                                            |
| TSPX_Hsn3      | HSN       | PIXIT | hopping parameter for TC_26_6_13_1                                            |
| TSPX_Chtp2     | CH_TDMA   | PIXIT | channel type for TC_26_6_13_2                                                 |
| TSPX_ChMod2    | CHMOD_VAL | PIXIT | channel mode for TC_26_6_13_2                                                 |
| TSPX_Maio4     | MAIO      | PIXIT | hopping parameter for TC_26_6_13_2                                            |
| TSPX_Ma4       | MAC       | PIXIT | mobile allocation for TC_26_6_13_2                                            |
| TSPX_Hsn4      | HSN       | PIXIT | hopping parameter for TC_26_6_13_2                                            |
| TSPX_Maio5     | MAIO      | PIXIT | hopping parameter for TC_26_6_13_2                                            |
| TSPX_Ma5       | MAC       | PIXIT | mobile allocation for TC_26_6_13_2                                            |
| TSPX_Hsn5      | HSN       | PIXIT | hopping parameter for TC_26_6_13_2                                            |
| TSPX_Chtp3     | CH_TDMA   | PIXIT | channel type for TC_26_6_13_3                                                 |
| TSPX_Maio6     | MAIO      | PIXIT | hopping parameter for TC_26_6_13_3                                            |
| TSPX_Ma6       | MAC       | PIXIT | mobile allocation for TC_26_6_13_3                                            |
| TSPX_Hsn6      | HSN       | PIXIT | hopping parameter for TC_26_6_13_3                                            |
| TSPX_Maio7     | MAIO      | PIXIT | hopping parameter for TC_26_6_13_3                                            |
| TSPX_Ma7       | MAC       | PIXIT | mobile allocation for TC_26_6_13_3                                            |
| TSPX_Hsn7      | HSN       | PIXIT | hopping parameter for TC_26_6_13_3                                            |
| TSPX_Chtp4     | CH_TDMA   | PIXIT | channel type for TC_26_6_13_3                                                 |
| TSPX_Maio8     | MAIO      | PIXIT | hopping parameter for                                                         |

|             |           |       |                                                            |
|-------------|-----------|-------|------------------------------------------------------------|
| TSPX_Ma8    | MAC       | PIXIT | TC_26_6_13_3<br>mobile allocation for<br>TC_26_6_13_3      |
| TSPX_Hsn8   | HSN       | PIXIT | hopping parameter for<br>TC_26_6_13_3                      |
| TSPX_Maio9  | MAIO      | PIXIT | hopping parameter for<br>TC_26_6_13_3                      |
| TSPX_Ma9    | MAC       | PIXIT | mobile allocation for<br>TC_26_6_13_3                      |
| TSPX_Hsn9   | HSN       | PIXIT | hopping parameter for<br>TC_26_6_13_3                      |
| TSPX_Chtp5  | CH_TDMA   | PIXIT | channel type for TC_26_6_13_4                              |
| TSPX_Maio10 | MAIO      | PIXIT | hopping parameter for<br>TC_26_6_13_4                      |
| TSPX_Ma10   | MAC       | PIXIT | mobile allocation for<br>TC_26_6_13_4                      |
| TSPX_Hsn10  | HSN       | PIXIT | hopping parameter for<br>TC_26_6_13_4                      |
| TSPX_Maio11 | MAIO      | PIXIT | hopping parameter for<br>TC_26_6_13_4                      |
| TSPX_Ma11   | MAC       | PIXIT | mobile allocation for<br>TC_26_6_13_4                      |
| TSPX_Hsn11  | HSN       | PIXIT | hopping parameter for<br>TC_26_6_13_4                      |
| TSPX_Chtp6  | CH_TDMA   | PIXIT | channel type for TC_26_6_13_4                              |
| TSPX_Maio12 | MAIO      | PIXIT | hopping parameter for<br>TC_26_6_13_4                      |
| TSPX_Ma12   | MAC       | PIXIT | mobile allocation for<br>TC_26_6_13_4                      |
| TSPX_Hsn12  | HSN       | PIXIT | hopping parameter for<br>TC_26_6_13_4                      |
| TSPX_Maio13 | MAIO      | PIXIT | hopping parameter for<br>TC_26_6_13_4                      |
| TSPX_Ma13   | MAC       | PIXIT | mobile allocation for<br>TC_26_6_13_4                      |
| TSPX_Hsn13  | HSN       | PIXIT | hopping parameter for<br>TC_26_6_13_4                      |
| TSPX_Chtp7  | CH_TDMA   | PIXIT | channel type for TC_26_6_13_5                              |
| TSPX_ChMod4 | CHMOD_VAL | PIXIT | channel mode for TC_26_6_13_5                              |
| TSPX_Tm2    | INTEGER   | PIXIT | a value to calculate the starting<br>time for TC_26_6_13_5 |
| TSPX_Maio14 | MAIO      | PIXIT | hopping parameter for<br>TC_26_6_13_5                      |
| TSPX_Ma14   | MAC       | PIXIT | mobile allocation for<br>TC_26_6_13_5                      |
| TSPX_Hsn14  | HSN       | PIXIT | hopping parameter for<br>TC_26_6_13_5                      |
| TSPX_Maio15 | MAIO      | PIXIT | hopping parameter for<br>TC_26_6_13_5                      |
| TSPX_Ma15   | MAC       | PIXIT | mobile allocation for<br>TC_26_6_13_5                      |
| TSPX_Hsn15  | HSN       | PIXIT | hopping parameter for<br>TC_26_6_13_5                      |
| TSPX_Maio16 | MAIO      | PIXIT | hopping parameter for<br>TC_26_6_13_5                      |
| TSPX_Ma16   | MAC       | PIXIT | mobile allocation for<br>TC_26_6_13_5                      |
| TSPX_Hsn16  | HSN       | PIXIT | hopping parameter for<br>TC_26_6_13_5                      |
| TSPX_Chtp8  | CH_TDMA   | PIXIT | channel type for TC_26_6_13_6                              |
| TSPX_ChMod5 | CHMOD_VAL | PIXIT | channel mode for TC_26_6_13_6                              |
| TSPX_Maio17 | MAIO      | PIXIT | hopping parameter for<br>TC_26_6_13_6                      |
| TSPX_Ma17   | MAC       | PIXIT | mobile allocation for<br>TC_26_6_13_6                      |
| TSPX_Hsn17  | HSN       | PIXIT | hopping parameter for<br>TC_26_6_13_6                      |
| TSPX_Maio18 | MAIO      | PIXIT | hopping parameter for<br>TC_26_6_13_6                      |
| TSPX_Ma18   | MAC       | PIXIT | mobile allocation for                                      |

|             |           |       |                                                       |
|-------------|-----------|-------|-------------------------------------------------------|
| TSPX_Hsn18  | HSN       | PIXIT | TC_26_6_13_6<br>hopping parameter for<br>TC_26_6_13_6 |
| TSPX_Maio19 | MAIO      | PIXIT | hopping parameter for<br>TC_26_6_13_6                 |
| TSPX_Ma19   | MAC       | PIXIT | mobile allocation for<br>TC_26_6_13_6                 |
| TSPX_Hsn19  | HSN       | PIXIT | hopping parameter for<br>TC_26_6_13_6                 |
| TSPX_Chtp9  | CH_TDMA   | PIXIT | channel type for TC_26_6_13_7                         |
| TSPX_ChMod6 | CHMOD_VAL | PIXIT | channel mode for TC_26_6_13_7                         |
| TSPX_Maio20 | MAIO      | PIXIT | hopping parameter for<br>TC_26_6_13_7                 |
| TSPX_Ma20   | MAC       | PIXIT | mobile allocation for<br>TC_26_6_13_7                 |
| TSPX_Hsn20  | HSN       | PIXIT | hopping parameter for<br>TC_26_6_13_7                 |
| TSPX_Maio21 | MAIO      | PIXIT | hopping parameter for<br>TC_26_6_13_7                 |
| TSPX_Ma21   | MAC       | PIXIT | mobile allocation for<br>TC_26_6_13_7                 |
| TSPX_Hsn21  | HSN       | PIXIT | hopping parameter for<br>TC_26_6_13_7                 |
| TSPX_Chtp10 | CH_TDMA   | PIXIT | channel type for TC_26_6_13_7                         |
| TSPX_Maio22 | MAIO      | PIXIT | hopping parameter for<br>TC_26_6_13_7                 |
| TSPX_Ma22   | MAC       | PIXIT | mobile allocation for<br>TC_26_6_13_7                 |
| TSPX_Hsn22  | HSN       | PIXIT | hopping parameter for<br>TC_26_6_13_7                 |
| TSPX_Maio23 | MAIO      | PIXIT | hopping parameter for<br>TC_26_6_13_7                 |
| TSPX_Ma23   | MAC       | PIXIT | mobile allocation for<br>TC_26_6_13_7                 |
| TSPX_Hsn23  | HSN       | PIXIT | hopping parameter for<br>TC_26_6_13_7                 |
| TSPX_Chtp11 | CH_TDMA   | PIXIT | channel type for TC_26_6_13_8                         |
| TSPX_ChMod7 | CHMOD_VAL | PIXIT | channel mode for TC_26_6_13_8                         |
| TSPX_Maio24 | MAIO      | PIXIT | hopping parameter for<br>TC_26_6_13_8                 |
| TSPX_Ma24   | MAC       | PIXIT | mobile allocation for<br>TC_26_6_13_8                 |
| TSPX_Hsn24  | HSN       | PIXIT | hopping parameter for<br>TC_26_6_13_8                 |
| TSPX_Maio25 | MAIO      | PIXIT | hopping parameter for<br>TC_26_6_13_8                 |
| TSPX_Ma25   | MAC       | PIXIT | mobile allocation for<br>TC_26_6_13_8                 |
| TSPX_Hsn25  | HSN       | PIXIT | hopping parameter for<br>TC_26_6_13_8                 |
| TSPX_Chtp12 | CH_TDMA   | PIXIT | channel type for TC_26_6_13_8                         |
| TSPX_Maio26 | MAIO      | PIXIT | hopping parameter for<br>TC_26_6_13_8                 |
| TSPX_Ma26   | MAC       | PIXIT | mobile allocation for<br>TC_26_6_13_8                 |
| TSPX_Hsn26  | HSN       | PIXIT | hopping parameter for<br>TC_26_6_13_8                 |
| TSPX_Maio27 | MAIO      | PIXIT | hopping parameter for<br>TC_26_6_13_8                 |
| TSPX_Ma27   | MAC       | PIXIT | mobile allocation for<br>TC_26_6_13_8                 |
| TSPX_Hsn27  | HSN       | PIXIT | hopping parameter for<br>TC_26_6_13_8                 |
| TSPX_Chtp13 | CH_TDMA   | PIXIT | channel type for TC_26_6_13_9                         |
| TSPX_Tm3    | INTEGER   | PIXIT | channel mode for TC_26_6_13_9                         |
| TSPX_Maio28 | MAIO      | PIXIT | hopping parameter for<br>TC_26_6_13_9                 |
| TSPX_Ma28   | MAC       | PIXIT | mobile allocation for<br>TC_26_6_13_9                 |
| TSPX_Hsn28  | HSN       | PIXIT | hopping parameter for                                 |

|                                   |            |       |                                                                                            |
|-----------------------------------|------------|-------|--------------------------------------------------------------------------------------------|
| TSPX_Maio29                       | MAIO       | PIXIT | TC_26_6_13_9<br>hopping parameter for<br>TC_26_6_13_9                                      |
| TSPX_Ma29                         | MAC        | PIXIT | mobile allocation for<br>TC_26_6_13_9                                                      |
| TSPX_Chtp14                       | CH_TDMA    | PIXIT | channel type for TC_26_6_13_10                                                             |
| TSPX_Maio30                       | MAIO       | PIXIT | hopping parameter for<br>TC_26_6_13_10                                                     |
| TSPX_Ma30                         | MAC        | PIXIT | mobile allocation for<br>TC_26_6_13_10                                                     |
| TSPX_Hsn30                        | HSN        | PIXIT | hopping parameter for<br>TC_26_6_13_10                                                     |
| TSPX_Maio31                       | MAIO       | PIXIT | hopping parameter for<br>TC_26_6_13_10                                                     |
| TSPX_Ma31                         | MAC        | PIXIT | mobile allocation for<br>TC_26_6_13_10                                                     |
| TSPX_BscSvc                       | IA5String  | PIXIT | basic service used for TC_11_2                                                             |
| TSPX_MOBscSvcA                    | MOSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MOBscSvcB                    | MOSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MOBscSvcC                    | MOSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MOBscSvcD                    | MOSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MOBscSvcE                    | MOSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MOBscSvcF                    | MOSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MOBscSvcG                    | MOSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MOBscSvcH                    | MOSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MOBscSvcI                    | MOSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MOBscSvcJ                    | MOSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MTBscSvcA                    | MTSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MTBscSvcB                    | MTSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MTBscSvcC                    | MTSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MTBscSvcD                    | MTSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MTBscSvcE                    | MTSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MTBscSvcF                    | MTSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MTBscSvcG                    | MTSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MTBscSvcH                    | MTSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MTBscSvcI                    | MTSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MTBscSvcJ                    | MTSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MT_ImmConnA                  | BOOLEAN    | PIXIT | used for CC test                                                                           |
| TSPX_MT_ImmConnB                  | BOOLEAN    | PIXIT | used for CC test                                                                           |
| TSPX_MT_ImmConnC                  | BOOLEAN    | PIXIT | used for CC test                                                                           |
| TSPX_MT_ImmConnD                  | BOOLEAN    | PIXIT | used for CC test                                                                           |
| TSPX_MT_ImmConnE                  | BOOLEAN    | PIXIT | used for CC test                                                                           |
| TSPX_MT_ImmConnF                  | BOOLEAN    | PIXIT | used for CC test                                                                           |
| TSPX_MT_ImmConnG                  | BOOLEAN    | PIXIT | used for CC test                                                                           |
| TSPX_MT_ImmConnH                  | BOOLEAN    | PIXIT | used for CC test                                                                           |
| TSPX_MT_ImmConnI                  | BOOLEAN    | PIXIT | used for CC test                                                                           |
| TSPX_MT_ImmConnJ                  | BOOLEAN    | PIXIT | used for CC test                                                                           |
| TSPX_MTNIC_BscSvcA                | MTSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MTNIC_BscSvcB                | MTSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MTNIC_BscSvcC                | MTSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MTNIC_BscSvcD                | MTSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MTNIC_BscSvcE                | MTSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MTNIC_BscSvcF                | MTSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MTNIC_BscSvcG                | MTSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MTNIC_BscSvcH                | MTSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MTNIC_BscSvcI                | MTSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MTNIC_BscSvcJ                | MTSERVICES | PIXIT | used for CC test                                                                           |
| TSPX_MT_BscSvc_Speech_FullRate    | MTSERVICES | PIXIT | Basic service for a supported<br>speech teleservice supporting full<br>rate (MT call)      |
| TSPX_MT_BscSvc_Speech_HalfRate    | MTSERVICES | PIXIT | Basic service for a supported<br>speech teleservice supporting half<br>rate (MT call)      |
| TSPX_MT_BscSvc_NonSpeech_FullRate | MTSERVICES | PIXIT | Basic service for a supported non-<br>speech teleservice supporting full<br>rate (MT call) |
| TSPX_MT_BscSvc_NonSpeech          | MTSERVICES | PIXIT | Basic service for a supported non-                                                         |

|                                        |            |       |                                                                            |
|----------------------------------------|------------|-------|----------------------------------------------------------------------------|
| ch_HalfRate                            |            |       | speech teleservice supporting half rate (MT call)                          |
| TSPX_MT_BscSvc_FullRate                | MTSERVICES | PIXIT | Basic service for a supported basic service supporting full rate (MT call) |
| TSPX_MO_BscSvc_AnyCall                 | MOSERVICES | PIXIT | Basic service supported for any MO call                                    |
| TSPX_MO_rate_AnyCall                   | RATE       | PIXIT | Rate for the basic service supported for any MO call                       |
| TSPX_MO_rate_EmergencyCall             | RATE       | PIXIT | Rate for the basic service supported for MO emergency calls                |
| TSPX_MO_BscSvc_FRDataCall              | MOSERVICES | PIXIT | Basic service supported for MO full rate data calls                        |
| TSPX_MO_BscSvc_HRDataCall              | MOSERVICES | PIXIT | Basic service supported for MO half rate data calls                        |
| TSPX_MO_BscSvc_SpeechCall              | MOSERVICES | PIXIT | Basic service supported for any MO speech calls                            |
| TSPX_MO_rate_SpeechCall                | RATE       | PIXIT | Rate for the basic service supported for any MO speech calls               |
| TSPX_MO_BscSvc_FRCall                  | MOSERVICES | PIXIT | Basic service supported for any MO full rate calls                         |
| TSPX_MO_BscSvc_HRCall                  | MOSERVICES | PIXIT | Basic service supported for any MO half rate calls                         |
| TSPX_MO_BscSvc_NonCallSupplementarySvc | MOSERVICES | PIXIT | Basic service supported for MO non-call related supplementary service      |
| TSPX_MO_BscSvc_SMS                     | MOSERVICES | PIXIT | Basic service supported for MO SMS calls                                   |
| TSPX_MO_BscSvc_DualModeCall            | MOSERVICES | PIXIT | Basic service supported for any MO dual mode calls                         |
| TSPX_MO_rate_DualModeCall              | RATE       | PIXIT | Rate for the basic service supported for any MO dual mode calls            |
| TSPX_TS61_2400more                     | BOOLEAN    | PIXIT | TS61 more than one BC's                                                    |
| TSPX_TS61_4800more                     | BOOLEAN    | PIXIT | TS61 more than one BC's                                                    |
| TSPX_TS61_9600more                     | BOOLEAN    | PIXIT | TS61 more than one BC's                                                    |
| TSPX_TS62_2400more                     | BOOLEAN    | PIXIT | TS62 more than one BC's                                                    |
| TSPX_TS62_4800more                     | BOOLEAN    | PIXIT | TS62 more than one BC's                                                    |
| TSPX_TS62_9600more                     | BOOLEAN    | PIXIT | TS62 more than one BC's                                                    |
| TSPX_BS21more                          | BOOLEAN    | PIXIT | BS21 more than one BC's                                                    |
| TSPX_BS22more                          | BOOLEAN    | PIXIT | BS22 more than one BC's                                                    |
| TSPX_BS24more                          | BOOLEAN    | PIXIT | BS24 more than one BC's                                                    |
| TSPX_BS25more                          | BOOLEAN    | PIXIT | BS25 more than one BC's                                                    |
| TSPX_BS26more                          | BOOLEAN    | PIXIT | BS26 more than one BC's                                                    |
| TSPX_BS31more                          | BOOLEAN    | PIXIT | BS31 more than one BC's                                                    |
| TSPX_BS32more                          | BOOLEAN    | PIXIT | BS32 more than one BC's                                                    |
| TSPX_BS33more                          | BOOLEAN    | PIXIT | BS33 more than one BC's                                                    |
| TSPX_BS34more                          | BOOLEAN    | PIXIT | BS34 more than one BC's                                                    |
| TSPX_BS61_300more                      | BOOLEAN    | PIXIT | BS61 more than one BC's                                                    |
| TSPX_BS61_1200more                     | BOOLEAN    | PIXIT | BS61 more than one BC's                                                    |
| TSPX_BS61_2400more                     | BOOLEAN    | PIXIT | BS61 more than one BC's                                                    |
| TSPX_BS61_4800more                     | BOOLEAN    | PIXIT | BS61 more than one BC's                                                    |
| TSPX_BS61_9600more                     | BOOLEAN    | PIXIT | BS61 more than one BC's                                                    |
| TSPX_BS81_300more                      | BOOLEAN    | PIXIT | BS81 more than one BC's                                                    |
| TSPX_BS81_1200more                     | BOOLEAN    | PIXIT | BS81 more than one BC's                                                    |
| TSPX_BS81_2400more                     | BOOLEAN    | PIXIT | BS81 more than one BC's                                                    |
| TSPX_BS81_4800more                     | BOOLEAN    | PIXIT | BS81 more than one BC's                                                    |
| TSPX_BS81_9600more                     | BOOLEAN    | PIXIT | BS81 more than one BC's                                                    |
| TSPX_WaitForFac                        | BOOLEAN    | PIXIT | Control TC_31_6_1_2 execution flow                                         |
| TSPX_WaitForConnACK                    | BOOLEAN    | PIXIT | Control TC_31_6_1_5 execution flow                                         |
| <b>Detailed Comments:</b>              |            |       |                                                                            |



## Test case selection expression definitions

| Test Case Selection Expression Definitions |                                                                                   |                                                                                                                |
|--------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Expression Name                            | Selection Expression                                                              | Comments                                                                                                       |
| SelExpr_0000                               | TRUE                                                                              | General test group always selected                                                                             |
| SelExpr_0001                               | TRUE                                                                              | always selected                                                                                                |
| SelExpr_0002                               | TSPC_MTsvc                                                                        | MT circuit switched basic service supported                                                                    |
| SelExpr_0003                               | NOT TSPC_Serv_SS_AoCC                                                             | AOCC not supported                                                                                             |
| SelExpr_0004                               | TSPC_Serv_SS_AoCC AND(NOT TSPC_Serv_SS_HOLD)                                      | AOCC supported but Call Hold not supported                                                                     |
| SelExpr_0005                               | TSPC_Serv_SS_AoCC AND TSPC_Serv_SS_HOLD AND(NOT TSPC_Serv_SS_MPTY)                | AOCC and Call Hold supported but multiparty not supported                                                      |
| SelExpr_0006                               | NOT TSPC_Feat_FND                                                                 | FND feature not supported                                                                                      |
| SelExpr_0007                               | TSPC_MOsvc                                                                        | MO circuit switched basic service supported                                                                    |
| SelExpr_0100                               | TRUE                                                                              | initial test group always selected                                                                             |
| SelExpr_0101                               | TRUE                                                                              | always selected                                                                                                |
| SelExpr_0102                               | TSPC_SvcOnTCH                                                                     | at least one service on traffic channel supported                                                              |
| SelExpr_0103                               | TSPC_DualRate                                                                     | half rate channel supported                                                                                    |
| SelExpr_0104                               | TSPC_DataSvc                                                                      | at least one data service supported                                                                            |
| SelExpr_0105                               | TSPC_NonCallSS                                                                    | non call related supplementary service supported                                                               |
| SelExpr_0106                               | TSPC_Serv_TS22                                                                    | MO short message service supported                                                                             |
| SelExpr_0107                               | TSPC_Serv_TS11 OR TSPC_Serv_TS12                                                  | speech supported                                                                                               |
| SelExpr_0200                               | TRUE                                                                              | idleMode test group always selected                                                                            |
| SelExpr_0201                               | TRUE                                                                              | always selected                                                                                                |
| SelExpr_0300                               | TRUE                                                                              | BiBo test group always selected                                                                                |
| SelExpr_0301                               | TSPC_CC                                                                           | CC protocol for at least one BC supported                                                                      |
| SelExpr_0302                               | TRUE                                                                              | always selected                                                                                                |
| SelExpr_0400                               | TRUE                                                                              | RR test group always selected                                                                                  |
| SelExpr_0401                               | TRUE                                                                              | always selected                                                                                                |
| SelExpr_0402                               | TSPC_CC                                                                           | CC protocol for at least one BC supported                                                                      |
| SelExpr_0403                               | TSPC_FullRateOnly OR TSPC_DualRate                                                | Full rate traffic channel supported                                                                            |
| SelExpr_0404                               | TSPC_DualRate                                                                     | Dual rate traffic channel supported                                                                            |
| SelExpr_0405                               | TSPC_CC AND(TSPC_Feat_A51 OR TSPC_Feat_A52)                                       | call control protocol and (A5/1 or A5/2) algorithm supported                                                   |
| SelExpr_0406                               | TSPC_CC AND TSPC_RFAmp                                                            | call control protocol and RF amplification supported                                                           |
| SelExpr_0407                               | TSPC_CC AND TSPC_FullRateOnly                                                     | call control protocol and full rate traffic channel supported                                                  |
| SelExpr_0408                               | TSPC_CC AND TSPC_DualRate                                                         | call control protocol and dual rate traffic channel supported                                                  |
| SelExpr_0409                               | TSPC_CC AND TSPC_AddInfo_PseudoSynch                                              | CC protocol for at least one BC supported and Pseudo synchronised supported                                    |
| SelExpr_0500                               | TRUE                                                                              | MM test group always selected                                                                                  |
| SelExpr_0501                               | TRUE                                                                              | always selected                                                                                                |
| SelExpr_0502                               | TSPC_SIMRmv                                                                       | SIM removable without power down supported                                                                     |
| SelExpr_0503                               | TSPC_Serv_TS11 OR TSPC_Serv_TS12                                                  | speech supported                                                                                               |
| SelExpr_0504                               | TSPC_NonCallSS                                                                    | The MS supports a non call related supplementary service operation during an active call                       |
| SelExpr_0600                               | TSPC_MOsvc OR TSPC_MTsvc                                                          | CC test group                                                                                                  |
| SelExpr_0601                               | TSPC_MOsvc AND(NOT TSPC_EmgOnly)                                                  | at least one mobile originating circuit switched basic service supported and not only emergency call supported |
| SelExpr_0602                               | (NOT TSPC_ImmConn) AND TSPC_MTsvc                                                 | immediate connect not supported and at least one mobile terminated circuit switched basic service supported    |
| SelExpr_0603                               | TSPC_RefusalCall AND TSPC_MTsvc                                                   | refusal of call supported and at least one mobile terminated circuit switched basic service supported          |
| SelExpr_0604                               | TSPC_Serv_TS11 OR TSPC_Serv_TS12 OR TSPC_Serv_TS61_2400 OR TSPC_Serv_TS61_4800 OR | speech supported                                                                                               |

|              |                                                                                                                                                                                                                                                                                                                                           |                                                                            |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| SelExpr_0606 | TSPC_Serv_TS61_9600 OR<br>TSPC_Serv_BS61_300 OR<br>TSPC_Serv_BS61_1200 OR<br>TSPC_Serv_BS61_2400 OR<br>TSPC_Serv_BS61_4800 OR<br>TSPC_Serv_BS61_9600<br>TSPC_MTsvc                                                                                                                                                                        | at least one mobile terminated circuit<br>switched basic service supported |
| SelExpr_0607 | TSPC_Serv_TS61_2400 OR<br>TSPC_Serv_TS61_4800 OR<br>TSPC_Serv_TS61_9600 OR<br>TSPC_Serv_BS61_300 OR<br>TSPC_Serv_BS61_1200 OR<br>TSPC_Serv_BS61_2400 OR<br>TSPC_Serv_BS61_4800 OR<br>TSPC_Serv_BS61_9600 OR<br>TSPC_Serv_BS81_300 OR<br>TSPC_Serv_BS81_1200 OR<br>TSPC_Serv_BS81_2400 OR<br>TSPC_Serv_BS81_4800 OR<br>TSPC_Serv_BS81_9600 | dual mode services supported                                               |
| SelExpr_0700 | TSPC_CC                                                                                                                                                                                                                                                                                                                                   | StructureProc test group                                                   |
| SelExpr_0701 | TSPC_TeleSvc                                                                                                                                                                                                                                                                                                                              | at least one teleservice supported                                         |
| SelExpr_0702 | TSPC_FullRateSpeech OR<br>TSPC_HalfRateSpeech                                                                                                                                                                                                                                                                                             | speech supported                                                           |
| SelExpr_0703 | (TSPC_Serv_TS11 OR<br>TSPC_Serv_TS12) AND TSPC_DualRate                                                                                                                                                                                                                                                                                   | dual rate speech supported                                                 |
| SelExpr_0800 | TSPC_SS                                                                                                                                                                                                                                                                                                                                   | SS test group                                                              |
| SelExpr_0801 | TSPC_Serv_SS_BOIC OR<br>TSPC_Serv_SS_BAIC OR<br>TSPC_Serv_SS_BOICexHC OR<br>TSPC_Serv_SS_BICRoam OR<br>TSPC_Serv_SS_BAOC                                                                                                                                                                                                                  | at least one of call restrictions supported                                |
| SelExpr_0802 | TSPC_Serv_SS_AoCC                                                                                                                                                                                                                                                                                                                         | AOCC supported                                                             |
| SelExpr_0803 | TSPC_Serv_SS_BOIC                                                                                                                                                                                                                                                                                                                         | BOIC supported                                                             |
| SelExpr_0804 | TSPC_Serv_SS_BAIC                                                                                                                                                                                                                                                                                                                         | BAIC supported                                                             |
| SelExpr_0805 | TSPC_Serv_SS_BOICexHC                                                                                                                                                                                                                                                                                                                     | BOICExHC supported                                                         |
| SelExpr_0806 | TSPC_Serv_SS_BOICexHC OR<br>TSPC_Serv_SS_BAIC                                                                                                                                                                                                                                                                                             | BOICExHC OR BAIC supported                                                 |
| SelExpr_0807 | TSPC_Serv_SS_BOIC OR<br>TSPC_Serv_SS_BICRoam                                                                                                                                                                                                                                                                                              | BOIC OR BICRoam supported                                                  |
| SelExpr_0808 | TSPC_Serv_SS_BI                                                                                                                                                                                                                                                                                                                           | BI supported                                                               |
| SelExpr_0809 | TSPC_Serv_SS_CFNRY OR<br>TSPC_Serv_SS_CFU                                                                                                                                                                                                                                                                                                 | CFNRY or CFU supported                                                     |
| SelExpr_0810 | TSPC_Serv_SS_CFB OR<br>TSPC_Serv_SS_CFU OR<br>TSPC_Serv_SS_CFNRC OR<br>TSPC_Serv_SS_CFNRY                                                                                                                                                                                                                                                 | CFB or CFU or CFNRY or CFNRC<br>supported                                  |
| SelExpr_0811 | TSPC_Serv_SS_CFB OR<br>TSPC_Serv_SS_CFNRC OR<br>TSPC_Serv_SS_CFNRY                                                                                                                                                                                                                                                                        | CFNRY or CFNRC or CFB supported                                            |
| SelExpr_0812 | TSPC_Serv_SS_CFNRC OR<br>TSPC_Serv_SS_CFB                                                                                                                                                                                                                                                                                                 | CFNRC or CFB supported                                                     |
| SelExpr_0813 | TSPC_Serv_SS_CFB                                                                                                                                                                                                                                                                                                                          | CFB supported                                                              |
| SelExpr_0814 | TSPC_Serv_SS_BICRoam OR<br>TSPC_Serv_SS_BAOC                                                                                                                                                                                                                                                                                              | BAOC or BICRoam supported                                                  |
| SelExpr_0815 | TRUE                                                                                                                                                                                                                                                                                                                                      | always selected                                                            |
| SelExpr_0816 | TSPC_Serv_SS_unstruct                                                                                                                                                                                                                                                                                                                     | USSD supported                                                             |
| SelExpr_0817 | TSPC_Serv_SS_unstruct AND TSPC_CC                                                                                                                                                                                                                                                                                                         | USSD and CC protocol for at least one<br>BC supported                      |
| SelExpr_0818 | TSPC_Serv_SS_AoCC AND<br>TSPC_SIMRmv                                                                                                                                                                                                                                                                                                      | AOCC and SIM removable without power<br>down supported                     |
| SelExpr_0819 | TSPC_Serv_SS_AoCC AND<br>TSPC_Serv_SS_HOLD                                                                                                                                                                                                                                                                                                | AOCC and Call Hold supported                                               |
| SelExpr_0820 | TSPC_Serv_SS_AoCC AND<br>TSPC_Serv_SS_MPTY                                                                                                                                                                                                                                                                                                | AOCC and Multi Party service supported                                     |
| SelExpr_0821 | TSPC_Serv_SS_AoCC AND<br>TSPC_SwitchOnOff                                                                                                                                                                                                                                                                                                 | AOCC and switch on/off supported                                           |
| SelExpr_0900 | TSPC_SMS                                                                                                                                                                                                                                                                                                                                  | SMS test group                                                             |
| SelExpr_0901 | TSPC_Serv_TS21 AND TSPC_CC                                                                                                                                                                                                                                                                                                                | MT/PP supported and CC protocol for at<br>least one BC supported           |
| SelExpr_0902 | TSPC_Serv_TS22 AND                                                                                                                                                                                                                                                                                                                        | MO/PP supported and MT/PP supported                                        |

|                           |                                                                                                                                                                            |                                                                                                                                                  |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
|                           | TSPC_Serv_TS21 AND TSPC_CC                                                                                                                                                 | and CC protocol for at least one BC supported                                                                                                    |
| SelExpr_0903              | TSPC_Serv_TS22 AND<br>TSPC_StoreRcvSMSME AND<br>TSPC_StoreRcvSMSSIM                                                                                                        | MO/PP supported AND storage of SMS in the ME supported AND storage of SMS in the SIM supported                                                   |
| SelExpr_0904              | TSPC_Serv_TS22 AND<br>TSPC_Serv_TS21 AND<br>TSPC_SMSStatusRepCap                                                                                                           | MO/PP supported AND MT/PP supported AND SMS Status report capabilities supported                                                                 |
| SelExpr_0905              | TSPC_Serv_TS21 AND<br>TSPC_DisprcvSMS                                                                                                                                      | MT/PP supported AND display of received short message supported                                                                                  |
| SelExpr_0906              | TSPC_Serv_TS21 AND<br>TSPC_DisprcvSMS<br>AND(TSPC_StoreRcvSMSME OR<br>TSPC_StoreRcvSMSSIM)                                                                                 | MT/PP supported AND display of received short message supported AND (storage of SMS in the ME supported OR storage of SMS in the SIM supported ) |
| SelExpr_0907              | TSPC_Serv_TS21 AND<br>TSPC_DisprcvSMS AND<br>TSPC_StoreRcvSMSSIM                                                                                                           | MT/PP supported AND display of received short message supported AND storage of SMS in the SIM supported                                          |
| SelExpr_0908              | TSPC_Serv_TS21 AND<br>TSPC_ReplaceSMS AND<br>TSPC_DisprcvSMS                                                                                                               | MT/PP supported AND "replace short message" and "display of received short message" supported                                                    |
| SelExpr_0909              | TSPC_Serv_TS22 AND<br>TSPC_Serv_TS21 AND TSPC_ReplyProc<br>AND TSPC_DisprcvSMS                                                                                             | MO/PP supported AND MT/PP supported AND "reply procedure" and "display of received short message" supported                                      |
| SelExpr_1000              | TSPC_EGSM                                                                                                                                                                  | E- band supported                                                                                                                                |
| SelExpr_1001              | TSPC_CC                                                                                                                                                                    | CC protocol for at least one BC supported                                                                                                        |
| SelExpr_1002              | TSPC_Serv_TS11 OR<br>TSPC_Serv_TS61_2400 OR<br>TSPC_Serv_TS61_4800 OR<br>TSPC_Serv_TS61_9600 OR<br>TSPC_Serv_TS62_2400 OR<br>TSPC_Serv_TS62_4800 OR<br>TSPC_Serv_TS62_9600 | telephony supported or alternate speech/data supported or Teleservice automatic G3 fax supported                                                 |
| SelExpr_1003              | TSPC_Serv_TS12                                                                                                                                                             | emergency call supported                                                                                                                         |
| <b>Detailed Comments:</b> |                                                                                                                                                                            |                                                                                                                                                  |

## Test suite constant declarations

| Test Suite Constant Declarations |             |                                     |                                                                                                                                                                                                     |
|----------------------------------|-------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Constant Name                    | Type        | Value                               | Comments                                                                                                                                                                                            |
| C_arfcnA                         | INTEGER     | 20                                  | ARFCN of cell A                                                                                                                                                                                     |
| C_arfcnB                         | INTEGER     | 10                                  | ARFCN of cell B                                                                                                                                                                                     |
| C_arfcnC                         | INTEGER     | 30                                  | ARFCN of cell C                                                                                                                                                                                     |
| C_arfcnAd                        | INTEGER     | 590                                 | ARFCN of cell A DCS 1800                                                                                                                                                                            |
| C_arfcnBd                        | INTEGER     | 520                                 | ARFCN of cell B DCS 1800                                                                                                                                                                            |
| C_arfcnCd                        | INTEGER     | 700                                 | ARFCN of cell C DCS 1800                                                                                                                                                                            |
| C_arfcnA_HO                      | INTEGER     | 20                                  | ARFCN of cell A , used in HO cases.                                                                                                                                                                 |
| C_arfcnA_HOd                     | INTEGER     | 747                                 | ARFCN of cell A , used in HO cases.                                                                                                                                                                 |
| C_arfcnB_HO                      | INTEGER     | 40                                  | ARFCN of cell B , used in HO cases.                                                                                                                                                                 |
| C_arfcnEgsm_iacmd                | INTEGER     | 20                                  | ARFCN in immediate assignment, used in EGSM cases.                                                                                                                                                  |
| C_arfcnEgsm_asscmd               | INTEGER     | 20                                  | ARFCN in assignment cmd, used in EGSM                                                                                                                                                               |
| C_BCC                            | BCC         | '101'B                              | Base Station color code                                                                                                                                                                             |
| C_BCCHcarrierB_ho                | INTEGER     | 40                                  | BCCH frequency number of cell B for Ho cases<br>(GSM: 40)                                                                                                                                           |
| C_BCCHcarrierB_hod               | INTEGER     | 764                                 | BCCH frequency number of cell B for Ho cases<br>(DCS:764)                                                                                                                                           |
| C_BCCHcarrierB_hoe               | INTEGER     | 40                                  | BCCH frequency number of cell B for Ho cases<br>(EGSM:40)                                                                                                                                           |
| C_cchd_e_407                     | OCTETSTRING | '8DEA0DF4CC6C4AFAFB100000000000'O   | f-list for cellchdescr using of 128 format. The coded set is {980, 981, 982, 983, 990, 991, 992, 993, 994, 1000, 1005, 1010, 1015}.<br>Length = 16<br>TC_26_10_4, k=2, c=1<br>TC_26.10.6, c=1       |
| C_cchd_e_408                     | OCTETSTRING | '8A0A1CFD3EF4610E2FFFFA0000000000'O | f-list for cellchdescr using of 256 format. The coded set is {20, 40, 66, 73, 74, 75, 76, 77, 78, 79, 108, 114,115}<br>Length = 16<br>TC_26_10_4, k=2, c=2<br>TC_26.10.6, c=2                       |
| C_cchd_e_409                     | OCTETSTRING | '89EA037F433C7B042BFEBFEC10000000'O | f-list for cellchdescr using of 512 format. The coded set is {980, 981, 982, 983, 990, 991, 992, 993, 994, 1000, 1005, 1010, 1015}.<br>Length = 16<br>TC_26_10_4, k=2, c=3 TC: 26.10.6 c=3          |
| C_cchd_e_410                     | OCTETSTRING | '841EEA893EF98143B1610000000000'O   | f-list for cellchdescr using of 1024 format.<br>Length = 16                                                                                                                                         |
| C_cchd_e_411                     | OCTETSTRING | '8FEA703E084210000000000000000'O    | f-list for cellchdescr using of variable bit format. The coded set is {980, 981, 982, 983, 990, 991, 992, 993, 994, 1000, 1005, 1010, 1015}.<br>Length = 16<br>TC_26_10_4, k=2, c=5 TC: 26.10.6 c=5 |
| C_cchd_e_412                     | OCTETSTRING | '0002080000007F020000008000080000'O | f-list for cellchdescr using of bit map 0 format. The coded set is {20, 40, 66, 73, 74, 75, 76, 77, 78, 79, 108, 114,115}<br>Length = 16                                                            |

|               |             |                                     |                                                                                                                                                                         |
|---------------|-------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C_cchd_e_414  | OCTETSTRING | '00000000000000002000020002000000'O | TC_26_10_4, k=2, c=6<br>f-list for cellchdescr using of bit map 0 format.<br>Length = 16<br>f_list: 30, 50 ,70<br>TC: 26.10.6 c=6                                       |
| C_cchd_e_415  | OCTETSTRING | '841EEA893EF9814380000000000000'O   | f-list for cellchdescr using range 1024 format. The coded set is {0, 30, 40, 66, 80, 1005, 1010, 1015}.<br>Length = 16<br>TC_26_10_4, k=2, c=4 TC: 26.10.6 c=4          |
| C_ChMod_s     | CHMOD_VAL   | '00000000'B                         | Mode : signalling only.                                                                                                                                                 |
| C_ChMod_r     | CHMOD_VAL   | '00000001'B                         | Mode : speech full or half rate.                                                                                                                                        |
| C_ChMod_12k   | CHMOD_VAL   | '00000011'B                         | Mode : 12k radio rate.                                                                                                                                                  |
| C_ChMod_6k    | CHMOD_VAL   | '00001011'B                         | Mode : 6k radio rate.                                                                                                                                                   |
| C_ChMod_3k    | CHMOD_VAL   | '00010011'B                         | Mode : 3.6k radio rate.                                                                                                                                                 |
| C_ChMod2_r    | CHMOD_VAL   | '00000101'B                         | Mode2 : speech half rate.                                                                                                                                               |
| C_Sap0        | SAPID       | '00'O                               | service access point 0                                                                                                                                                  |
| C_Sap3        | SAPID       | '03'O                               | service access point 3                                                                                                                                                  |
| C_CellA       | CellID      | "C_CellA"                           | cell A -- cell 1                                                                                                                                                        |
| C_CellB       | CellID      | "C_CellB"                           | cell B -- cell 2                                                                                                                                                        |
| C_CellC       | CellID      | "C_CellC"                           | cell C -- cell 3                                                                                                                                                        |
| C_CellD       | CellID      | "C_CellD"                           | cell D -- cell 4                                                                                                                                                        |
| C_CellE       | CellID      | "C_CellE"                           | cell E -- cell 5                                                                                                                                                        |
| C_CellF       | CellID      | "C_CellF"                           | cell F -- cell 6                                                                                                                                                        |
| C_CellG       | CellID      | "C_CellG"                           | cell G -- cell 7                                                                                                                                                        |
| C_CellH       | CellID      | "C_CellH"                           | cell H -- cell 8                                                                                                                                                        |
| C_ci_cellA    | CI          | '0001'O                             | Cell Id for cell A                                                                                                                                                      |
| C_ci_cellB    | CI          | '0002'O                             | Cell Id for cell B                                                                                                                                                      |
| C_ci_cellC    | CI          | '0003'O                             | Cell Id for cell C                                                                                                                                                      |
| C_ci_cellD    | CI          | '0004'O                             | Cell Id for cell D                                                                                                                                                      |
| C_ci_cellE    | CI          | '0005'O                             | Cell Id for cell E                                                                                                                                                      |
| C_ci_cellF    | CI          | '0006'O                             | Cell Id for cell F                                                                                                                                                      |
| C_ci_cellG    | CI          | '0007'O                             | Cell Id for cell G                                                                                                                                                      |
| C_ci_cellH    | CI          | '0008'O                             | Cell Id for cell H                                                                                                                                                      |
| C_cksnokey    | BITSTRING   | '111'B                              | No key available                                                                                                                                                        |
| C_flist_e_401 | OCTETSTRING | '8DF68AEC00'O                       | It includes the list of f's in EGSM test cases. The coded set is {1005, 1010, 1015}.<br>Length = 5<br>TC_26_10_4, k=1, c=1 TC: 26.10.5.1 k=1/2,c=1                      |
| C_flist_e_402 | OCTETSTRING | '8A2481FF03F8'O                     | It includes the list of f's in EGSM test cases. The coded set is {73, 74, 75, 76, 77}, range 256 format.<br>Length = 6<br>TC_26_10_4, k=1, c=2 TC: 26.10.5.1 k=1/2,c=2  |
| C_flist_e_403 | OCTETSTRING | '89EA00BFC040'O                     | It includes the list of f's in EGSM test cases. The coded set is {980, 981, 982, 983}, range 512 format.<br>Length = 6<br>TC_26_10_4, k=1, c=3 TC: 26.10.5.1 k=1/2,c=3  |
| C_flist_e_404 | OCTETSTRING | '801EED02BEC0'O                     | It includes the list of f's in EGSM test cases. The coded set is {30, 40, 1010, 1015}, range 1024 format.<br>Length = 6<br>TC_26_10_4, k=1, c=4 TC: 26.10.5.1 k=1/2,c=4 |
| C_flist_e_405 | OCTETSTRING | '8FEC001F000010'O                   | It includes the list of f's in EGSM test cases. The coded set is {980, 991, 992, 993, 994, 1015}.<br>Length = 7<br>TC_26_10_4, k=1, c=5 TC:                             |

|               |             |                                     |                                                                                                                                                                                                                                                   |
|---------------|-------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C_flist_e_406 | OCTETSTRING | '00000000000000020000008000080000'O | 26.10.5.1 k=1/2,c=5<br>It includes the list of f's in EGSM test cases. The coded set is {20, 40, 66}, bitmap 0 format.<br>Length = 16<br>TC_26_10_4, k=1, c=6 TC:<br>26.10.5.1 k=2,c=6                                                            |
| C_flist_e_407 | OCTETSTRING | '8DEA0DF4CC6C4AFAFB100000000000'O   | It includes the list of f's in EGSM test cases. The coded set is {980, 981, 982, 983, 990, 991, 992, 993, 994, 1000, 1005, 1010, 1015}, range 128 format.<br>Length = 16<br>TC_26_10_4, k=2, c=1 TC:<br>26.10.5.1 k=3,c=1<br>TC: 26.10.6 c=1      |
| C_flist_e_408 | OCTETSTRING | '8A0A1CFD3EF4610E2FFFFA0000'O       | It includes the list of f's in EGSM test cases. The coded set is {20, 40, 66, 73, 74, 75, 76, 77, 78, 79, 108, 114, 115}, range 256 format.<br>Length = 13<br>TC_26_10_4, k=2, c=2 TC:<br>26.10.5.1 k=3,c=2<br>TC: 26.10.6 c=2                    |
| C_flist_e_409 | OCTETSTRING | '89EA037F433C7B042BFEBFEC10000000'O | It includes the list of f's in EGSM test cases. The coded set is {980, 981, 982, 983, 990, 991, 992, 993, 994, 1000, 1005, 1010, 1015}, range 512 format.<br>Length = 16<br>TC_26_10_4, k=2, c=3 TC:<br>26.10.5.2 k=3,c=3<br>TC: 26.10.6 c=3      |
| C_flist_e_410 | OCTETSTRING | '841EEA893EF98143B161'O             | Length = 10<br>TC: 26.10.5.2 k=3,c=4                                                                                                                                                                                                              |
| C_flist_e_411 | OCTETSTRING | '8FEA703E084210'O                   | It includes the list of f's in EGSM test cases. The coded set is {980, 981, 982, 983, 990, 991, 992, 993, 994, 1000, 1005, 1010, 1015}, variable bitmap format.<br>Length = 7<br>TC_26_10_4, k=2, c=5 TC:<br>26.10.5.1 k=3,c=5<br>TC: 26.10.6 c=5 |
| C_flist_e_412 | OCTETSTRING | '000208000007F020000008000080000'O  | It includes the list of f's in EGSM test cases. The coded set is {20, 40, 66, 73, 74, 75, 76, 77, 78, 79, 108, 114, 115}, bitmap 0 format.<br>Length = 16<br>TC_26_10_4, k=2, c=6 TC:<br>26.10.5.1 k=3,c=6                                        |
| C_flist_e_413 | OCTETSTRING | '8DF68AEC00'O                       | Length = 5<br>TC: 26.10.5.2                                                                                                                                                                                                                       |
| C_flist_e_414 | OCTETSTRING | '00000000000000020000200020080000'O | Length = 16<br>f_list: 20, 30, 50 ,70<br>TC: 26.10.6 c=6                                                                                                                                                                                          |
| C_flist_e_415 | OCTETSTRING | '841EEA893EF9814380'O               | It includes the list of f's in EGSM test cases. The coded set is {0, 30, 40, 66, 80, 1005, 1010, 1015}, range 1024 format.<br>Length = 9<br>Format: 1024<br>TC_26_10_4, k=2, c=4 TC:<br>26.10.6 c=4                                               |
| C_IMSI        | INTEGER     | 0                                   |                                                                                                                                                                                                                                                   |
| C_TMSI        | INTEGER     | 1                                   |                                                                                                                                                                                                                                                   |
| C_IMEI        | INTEGER     | 2                                   |                                                                                                                                                                                                                                                   |
| C_IMEISV      | INTEGER     | 3                                   |                                                                                                                                                                                                                                                   |
| C_lacellA     | OCTETSTRING | '0001'O                             | lac value for cell A.                                                                                                                                                                                                                             |
| C_lacellB     | OCTETSTRING | '0002'O                             | lac value for cell B.                                                                                                                                                                                                                             |

|               |             |              |                                           |
|---------------|-------------|--------------|-------------------------------------------|
| C_lacellC     | OCTETSTRING | '0003'O      | lac value for cell C.                     |
| C_lacellD     | OCTETSTRING | '0004'O      | lac value for cell D.                     |
| C_lacellE     | OCTETSTRING | '0005'O      | lac value for cell E.                     |
| C_lacellF     | OCTETSTRING | '0006'O      | lac value for cell F.                     |
| C_lacellG     | OCTETSTRING | '0007'O      | lac value for cell G.                     |
| C_lacellH     | OCTETSTRING | '0008'O      | lac value for cell H.                     |
| C_lacdeleted  | OCTETSTRING | 'FFFE'O      | lac value deleted.                        |
| C_LAC_3       | OCTETSTRING | '0003'O      | lac value 0003.                           |
| C_LAC_4       | OCTETSTRING | '0004'O      | lac value 0004.                           |
| C_LAC_5       | OCTETSTRING | '0005'O      | lac value 0005.                           |
| C_LAC_6       | OCTETSTRING | '0006'O      | lac value 0006.                           |
| C_PLMN_1      | OCTETSTRING | '10'O        | PLMN 1 (mnc=01)                           |
| C_PLMN_2      | OCTETSTRING | '20'O        | PLMN 2 (mnc=02)                           |
| C_PLMN_3      | OCTETSTRING | '30'O        | PLMN 3 (mnc=03)                           |
| C_PLMN_Home   | OCTETSTRING | '10'O        | PLMN 1 (mnc=01)                           |
| C_NotCombined | BOOLEAN     | FALSE        | CCCH not combined with SDCCH              |
| C_Combined    | BOOLEAN     | TRUE         | CCCH combined with SDCCH                  |
| C_FCCH_A      | LOGICCH     | "C_FCCH_A"   | frequency correction channel of cell A(1) |
| C_FCCH_B      | LOGICCH     | "C_FCCH_B"   | frequency correction channel of cell B(2) |
| C_FCCH_C      | LOGICCH     | "C_FCCH_C"   | frequency correction channel of cell C(3) |
| C_FCCH_D      | LOGICCH     | "C_FCCH_D"   | frequency correction channel of cell D(4) |
| C_FCCH_E      | LOGICCH     | "C_FCCH_E"   | frequency correction channel of cell E(5) |
| C_FCCH_F      | LOGICCH     | "C_FCCH_F"   | frequency correction channel of cell F(6) |
| C_FCCH_G      | LOGICCH     | "C_FCCH_G"   | frequency correction channel of cell G(7) |
| C_FCCH_H      | LOGICCH     | "C_FCCH_H"   | frequency correction channel of cell H(8) |
| C_SCH_A       | LOGICCH     | "C_SCH_A"    | sync channel of cell A(1)                 |
| C_SCH_B       | LOGICCH     | "C_SCH_B"    | sync channel of cell B(2)                 |
| C_SCH_C       | LOGICCH     | "C_SCH_C"    | sync channel of cell C(3)                 |
| C_SCH_D       | LOGICCH     | "C_SCH_D"    | sync channel of cell D(4)                 |
| C_SCH_E       | LOGICCH     | "C_SCH_E"    | sync channel of cell E(5)                 |
| C_SCH_F       | LOGICCH     | "C_SCH_F"    | sync channel of cell F(6)                 |
| C_SCH_G       | LOGICCH     | "C_SCH_G"    | sync channel of cell G(7)                 |
| C_SCH_H       | LOGICCH     | "C_SCH_H"    | sync channel of cell H(8)                 |
| C_BCCH_A_1    | LOGICCH     | "C_BCCH_A_1" | 1st broadcast channel of cell A           |
| C_BCCH_A_2    | LOGICCH     | "C_BCCH_A_2" | 2nd broadcast channel of cell A           |
| C_BCCH_A_3    | LOGICCH     | "C_BCCH_A_3" | 3rd broadcast channel of cell A           |
| C_BCCH_A_4    | LOGICCH     | "C_BCCH_A_4" | 4th broadcast channel of cell A           |
| C_BCCH_B_1    | LOGICCH     | "C_BCCH_B_1" | 1st broadcast channel of cell B           |
| C_BCCH_C_1    | LOGICCH     | "C_BCCH_C_1" | 1st broadcast channel of cell C           |
| C_BCCH_D_1    | LOGICCH     | "C_BCCH_D_1" | 1st broadcast channel of cell D           |
| C_BCCH_E_1    | LOGICCH     | "C_BCCH_E_1" | 1st broadcast channel of cell E           |
| C_BCCH_F_1    | LOGICCH     | "C_BCCH_F_1" | 1st broadcast channel of cell F           |
| C_BCCH_G_1    | LOGICCH     | "C_BCCH_G_1" | 1st broadcast channel of cell G           |
| C_BCCH_H_1    | LOGICCH     | "C_BCCH_H_1" | 1st broadcast channel of cell H           |
| C_CBCH_A      | LOGICCH     | "C_CBCH_A"   | Cell broadcast channel in cell A          |
| C_AGCH_A_1    | LOGICCH     | "C_AGCH_A_1" | 1st down link CCCH (AGCH) of cell A       |
| C_AGCH_A_2    | LOGICCH     | "C_AGCH_A_2" | 2nd down link CCCH (AGCH) of cell A       |
| C_AGCH_A_3    | LOGICCH     | "C_AGCH_A_3" | 3rd down link CCCH (AGCH) of cell A       |
| C_AGCH_A_4    | LOGICCH     | "C_AGCH_A_4" | 4th down link CCCH (AGCH) of cell A       |
| C_AGCH_B_1    | LOGICCH     | "C_AGCH_B_1" | 1st down link CCCH (AGCH) of cell B       |
| C_AGCH_B_2    | LOGICCH     | "C_AGCH_B_2" | 2nd down link CCCH (AGCH) of cell B       |
| C_AGCH_B_3    | LOGICCH     | "C_AGCH_B_3" | 3rd down link CCCH (AGCH) of cell B       |

|              |         |                |                                             |
|--------------|---------|----------------|---------------------------------------------|
| C_AGCH_B_4   | LOGICCH | "C_AGCH_B_4"   | 4th down link CCCH (AGCH) of cell B         |
| C_AGCH_C_1   | LOGICCH | "C_AGCH_C_1"   | 1st down link CCCH (AGCH) of cell C         |
| C_AGCH_C_2   | LOGICCH | "C_AGCH_C_2"   | 2nd down link CCCH (AGCH) of cell C         |
| C_AGCH_C_3   | LOGICCH | "C_AGCH_C_3"   | 3rd down link CCCH (AGCH) of cell C         |
| C_AGCH_C_4   | LOGICCH | "C_AGCH_C_4"   | 4th down link CCCH (AGCH) of cell C         |
| C_AGCH_D_1   | LOGICCH | "C_AGCH_D_1"   | 1st down link CCCH (AGCH) of cell D         |
| C_AGCH_E_1   | LOGICCH | "C_AGCH_E_1"   | 1st down link CCCH (AGCH) of cell E         |
| C_AGCH_F_1   | LOGICCH | "C_AGCH_F_1"   | 1st down link CCCH (AGCH) of cell F         |
| C_AGCH_G_1   | LOGICCH | "C_AGCH_G_1"   | 1st down link CCCH (AGCH) of cell G         |
| C_AGCH_H_1   | LOGICCH | "C_AGCH_H_1"   | 1st down link CCCH (AGCH) of cell H         |
| C_PCH_A_1    | LOGICCH | "C_PCH_A_1"    | 1st down link CCCH (PCH) of cell A          |
| C_PCH_A_2    | LOGICCH | "C_PCH_A_2"    | 2nd down link CCCH (PCH) of cell A          |
| C_PCH_A_3    | LOGICCH | "C_PCH_A_3"    | 3rd down link CCCH (PCH) of cell A          |
| C_PCH_A_4    | LOGICCH | "C_PCH_A_4"    | 4th down link CCCH (PCH) of cell A          |
| C_PCH_B_1    | LOGICCH | "C_PCH_B_1"    | 1st down link CCCH (PCH) of cell B          |
| C_PCH_B_2    | LOGICCH | "C_PCH_B_2"    | 2nd down link CCCH (PCH) of cell B          |
| C_PCH_B_3    | LOGICCH | "C_PCH_B_3"    | 3rd down link CCCH (PCH) of cell B          |
| C_PCH_B_4    | LOGICCH | "C_PCH_B_4"    | 4th down link CCCH (PCH) of cell B          |
| C_PCH_C_1    | LOGICCH | "C_PCH_C_1"    | 1st down link CCCH (PCH) of cell C          |
| C_PCH_C_2    | LOGICCH | "C_PCH_C_2"    | 2nd down link CCCH (PCH) of cell C          |
| C_PCH_C_3    | LOGICCH | "C_PCH_C_3"    | 3rd down link CCCH (PCH) of cell C          |
| C_PCH_C_4    | LOGICCH | "C_PCH_C_4"    | 4th down link CCCH (PCH) of cell C          |
| C_PCH_D_1    | LOGICCH | "C_PCH_D_1"    | 1st down link CCCH (PCH and AGCH) of cell D |
| C_PCH_E_1    | LOGICCH | "C_PCH_E_1"    | 1st down link CCCH (PCH) of cell E          |
| C_PCH_F_1    | LOGICCH | "C_PCH_F_1"    | 1st down link CCCH (PCH) of cell F          |
| C_PCH_G_1    | LOGICCH | "C_PCH_G_1"    | 1st down link CCCH (PCH) of cell G          |
| C_PCH_H_1    | LOGICCH | "C_PCH_H_1"    | 1st down link CCCH (PCH) of cell H          |
| C_RACH_A_1   | LOGICCH | "C_RACH_A_1"   | 1st uplink CCCH (RACH) of cell A            |
| C_RACH_A_2   | LOGICCH | "C_RACH_A_2"   | 2nd uplink CCCH (RACH) of cell A            |
| C_RACH_A_3   | LOGICCH | "C_RACH_A_3"   | 3rd uplink CCCH (RACH) of cell A            |
| C_RACH_A_4   | LOGICCH | "C_RACH_A_4"   | 4th uplink CCCH (RACH) of cell A            |
| C_RACH_B_1   | LOGICCH | "C_RACH_B_1"   | 1st uplink CCCH (RACH) of cell B            |
| C_RACH_C_1   | LOGICCH | "C_RACH_C_1"   | 1st uplink CCCH (RACH) of cell C            |
| C_RACH_D_1   | LOGICCH | "C_RACH_D_1"   | 1st uplink CCCH (RACH) of cell D            |
| C_RACH_E_1   | LOGICCH | "C_RACH_E_1"   | 1st uplink CCCH (RACH) of cell E            |
| C_RACH_F_1   | LOGICCH | "C_RACH_F_1"   | 1st uplink CCCH (RACH) of cell F            |
| C_RACH_G_1   | LOGICCH | "C_RACH_G_1"   | 1st uplink CCCH (RACH) of cell G            |
| C_RACH_H_1   | LOGICCH | "C_RACH_H_1"   | 1st uplink CCCH (RACH) of cell H            |
| C_FACCHF_A_1 | LOGICCH | "C_FACCHF_A_1" | FACCH associated with 1st TCH/F of cell A   |
| C_FACCHF_A_2 | LOGICCH | "C_FACCHF_A_2" | FACCH associated with 2nd TCH/F of cell A   |



|               |         |                 |                                            |
|---------------|---------|-----------------|--------------------------------------------|
| C_FACCHF_A_3  | LOGICCH | "C_FACCHF_A_3"  | FACCH associated with 3rd TCH/F of cell A  |
| C_FACCHF_B_1  | LOGICCH | "C_FACCHF_B_1"  | FACCH associated with 1st TCH/F of cell B  |
| C_FACCHF_B_2  | LOGICCH | "C_FACCHF_B_2"  | FACCH associated with 2nd TCH/F of cell B  |
| C_FACCHF_B_3  | LOGICCH | "C_FACCHF_B_3"  | FACCH associated with 3rd TCH/F of cell B  |
| C_FACCHF_C_1  | LOGICCH | "C_FACCHF_C_1"  | FACCH associated with 1st TCH/F of cell C  |
| C_FACCHF_C_2  | LOGICCH | "C_FACCHF_C_2"  | FACCH associated with 2nd TCH/F of cell C  |
| C_FACCHF_C_3  | LOGICCH | "C_FACCHF_C_3"  | FACCH associated with 3rd TCH/F of cell C  |
| C_FACCHF_H_1  | LOGICCH | "C_FACCHF_H_1"  | FACCH associated with 1st TCH/F of cell H  |
| C_FACCHH_A_1  | LOGICCH | "C_FACCHH_A_1"  | FACCH associated with 1st TCH/H of cell A  |
| C_FACCHH_A_2  | LOGICCH | "C_FACCHH_A_2"  | FACCH associated with 2nd TCH/H of cell A  |
| C_FACCHH_A_3  | LOGICCH | "C_FACCHH_A_3"  | FACCH associated with 3rd TCH/H of cell A  |
| C_FACCHH_B_1  | LOGICCH | "C_FACCHH_B_1"  | FACCH associated with 1st TCH/H of cell B  |
| C_FACCHH_B_2  | LOGICCH | "C_FACCHH_B_2"  | FACCH associated with 2nd TCH/H of cell B  |
| C_FACCHH_B_3  | LOGICCH | "C_FACCHH_B_3"  | FACCH associated with 3rd TCH/H of cell B  |
| C_FACCHH_C_1  | LOGICCH | "C_FACCHH_C_1"  | FACCH associated with 1st TCH/H of cell C  |
| C_FACCHH_C_2  | LOGICCH | "C_FACCHH_C_2"  | FACCH associated with 2nd TCH/H of cell C  |
| C_FACCHH_C_3  | LOGICCH | "C_FACCHH_C_3"  | FACCH associated with 3rd TCH/H of cell C  |
| C_FACCHH0_A_1 | LOGICCH | "C_FACCHH0_A_1" | FACCH associated with 1st TCH/H0 of cell A |
| C_FACCHH1_A_1 | LOGICCH | "C_FACCHH1_A_1" | FACCH associated with 1st TCH/H1 of cell A |
| C_FACCHH0_A_2 | LOGICCH | "C_FACCHH0_A_2" | FACCH associated with 2nd TCH/H0 of cell A |
| C_FACCHH1_A_2 | LOGICCH | "C_FACCHH1_A_2" | FACCH associated with 2nd TCH/H1 of cell A |
| C_FACCHH0_A_3 | LOGICCH | "C_FACCHH0_A_3" | FACCH associated with 3rd TCH/H0 of cell A |
| C_FACCHH1_A_3 | LOGICCH | "C_FACCHH1_A_3" | FACCH associated with 3rd TCH/H1 of cell A |
| C_FACCHH0_B_1 | LOGICCH | "C_FACCHH0_B_1" | FACCH associated with 1st TCH/H0 of cell B |
| C_FACCHH1_B_1 | LOGICCH | "C_FACCHH1_B_1" | FACCH associated with 1st TCH/H1 of cell B |
| C_FACCHH0_B_2 | LOGICCH | "C_FACCHH0_B_2" | FACCH associated with 2nd TCH/H0 of cell B |
| C_FACCHH1_B_2 | LOGICCH | "C_FACCHH1_B_2" | FACCH associated with 2nd TCH/H1 of cell B |
| C_FACCHH0_B_3 | LOGICCH | "C_FACCHH0_B_3" | FACCH associated with 3rd TCH/H0 of cell B |
| C_FACCHH1_B_3 | LOGICCH | "C_FACCHH1_B_3" | FACCH associated with 3rd TCH/H1 of cell B |
| C_FACCHH0_C_1 | LOGICCH | "C_FACCHH0_C_1" | FACCH associated with 1st TCH/H0 of cell C |
| C_FACCHH1_C_1 | LOGICCH | "C_FACCHH1_C_1" | FACCH associated with 1st TCH/H1 of cell C |
| C_FACCHH0_C_2 | LOGICCH | "C_FACCHH0_C_2" | FACCH associated with 2nd TCH/H0 of cell C |
| C_FACCHH1_C_2 | LOGICCH | "C_FACCHH1_C_2" | FACCH associated with 2nd TCH/H1 of cell C |
| C_FACCHH0_C_3 | LOGICCH | "C_FACCHH0_C_3" | FACCH associated with 3rd TCH/H0 of cell C |
| C_FACCHH1_C_3 | LOGICCH | "C_FACCHH1_C_3" | FACCH associated with 3rd TCH/H1 of cell C |
| C_SACCH_A     | LOGICCH | "C_SACCH_A"     | all SACCHs of cell A                       |

|               |         |                 |                                             |
|---------------|---------|-----------------|---------------------------------------------|
| C_SACCH_B     | LOGICCH | "C_SACCH_B"     | all SACCHs of cell B                        |
| C_SACCH_C     | LOGICCH | "C_SACCH_C"     | all SACCHs of cell C                        |
| C_SACCH_D     | LOGICCH | "C_SACCH_D"     | all SACCHs of cell D                        |
| C_SACCH_E     | LOGICCH | "C_SACCH_E"     | all SACCHs of cell E                        |
| C_SACCH_F     | LOGICCH | "C_SACCH_F"     | all SACCHs of cell F                        |
| C_SACCH_G     | LOGICCH | "C_SACCH_G"     | all SACCHs of cell G                        |
| C_SACCH_H     | LOGICCH | "C_SACCH_H"     | all SACCHs of cell H                        |
| C_SACCHF_A_1  | LOGICCH | "C_SACCHF_A_1"  | SACCH associated with 1st TCH/F of cell A   |
| C_SACCHF_A_2  | LOGICCH | "C_SACCHF_A_2"  | SACCH associated with 2nd TCH/F of cell A   |
| C_SACCHF_B_1  | LOGICCH | "C_SACCHF_B_1"  | SACCH associated with 1st TCH/F of cell B   |
| C_SACCHF_B_2  | LOGICCH | "C_SACCHF_B_2"  | SACCH associated with 2nd TCH/F of cell B   |
| C_SACCHF_H_1  | LOGICCH | "C_SACCHF_H_1"  | SACCH associated with 1st TCH/F of cell H   |
| C_SACCHH_A_1  | LOGICCH | "C_SACCHH_A_1"  | SACCH associated with 1st TCH/H of cell A   |
| C_SACCHH_A_2  | LOGICCH | "C_SACCHH_A_2"  | SACCH associated with 2nd TCH/H of cell A   |
| C_SACCHH_A_3  | LOGICCH | "C_SACCHH_A_3"  | SACCH associated with 3rd TCH/H of cell A   |
| C_SACCHH_B_1  | LOGICCH | "C_SACCHH_B_1"  | SACCH associated with 1st TCH/H of cell B   |
| C_SACCHH_B_2  | LOGICCH | "C_SACCHH_B_2"  | SACCH associated with 2nd TCH/H of cell B   |
| C_SACCHH_B_3  | LOGICCH | "C_SACCHH_B_3"  | SACCH associated with 3rd TCH/H of cell B   |
| C_SACCHH_C_1  | LOGICCH | "C_SACCHH_C_1"  | SACCH associated with 1st TCH/H of cell C   |
| C_SACCHH_C_2  | LOGICCH | "C_SACCHH_C_2"  | SACCH associated with 2nd TCH/H of cell C   |
| C_SACCHH_C_3  | LOGICCH | "C_SACCHH_C_3"  | SACCH associated with 3rd TCH/H of cell C   |
| C_SACCHH0_A_1 | LOGICCH | "C_SACCHH0_A_1" | SACCH associated with 1st TCH/H_0 of cell A |
| C_SACCHH1_A_1 | LOGICCH | "C_SACCHH1_A_1" | SACCH associated with 1st TCH/H_1 of cell A |
| C_SACCHH0_A_2 | LOGICCH | "C_SACCHH0_A_2" | SACCH associated with 2nd TCH/H_0 of cell A |
| C_SACCHH1_A_2 | LOGICCH | "C_SACCHH1_A_2" | SACCH associated with 2nd TCH/H_1 of cell A |
| C_SACCHH0_A_3 | LOGICCH | "C_SACCHH0_A_3" | SACCH associated with 3rd TCH/H_0 of cell A |
| C_SACCHH1_A_3 | LOGICCH | "C_SACCHH1_A_3" | SACCH associated with 3rd TCH/H_1 of cell A |
| C_SACCHH0_B_1 | LOGICCH | "C_SACCHH0_B_1" | SACCH associated with 1st TCH/H_0 of cell B |
| C_SACCHH1_B_1 | LOGICCH | "C_SACCHH1_B_1" | SACCH associated with 1st TCH/H_1 of cell B |
| C_SACCHH0_B_2 | LOGICCH | "C_SACCHH0_B_2" | SACCH associated with 2nd TCH/H_0 of cell B |
| C_SACCHH1_B_2 | LOGICCH | "C_SACCHH1_B_2" | SACCH associated with 2nd TCH/H_1 of cell B |
| C_SACCHH0_B_3 | LOGICCH | "C_SACCHH0_B_3" | SACCH associated with 3rd TCH/H_0 of cell B |
| C_SACCHH1_B_3 | LOGICCH | "C_SACCHH1_B_3" | SACCH associated with 3rd TCH/H_1 of cell B |
| C_SACCHH0_C_1 | LOGICCH | "C_SACCHH0_C_1" | SACCH associated with 1st TCH/H_0 of cell C |
| C_SACCHH1_C_1 | LOGICCH | "C_SACCHH1_C_1" | SACCH associated with 1st TCH/H_1 of cell C |
| C_SACCHH0_C_2 | LOGICCH | "C_SACCHH0_C_2" | SACCH associated with 2nd TCH/H_0 of cell C |
| C_SACCHH1_C_2 | LOGICCH | "C_SACCHH1_C_2" | SACCH associated with 2nd TCH/H_1 of cell C |
| C_SACCHH0_C_3 | LOGICCH | "C_SACCHH0_C_3" | SACCH associated with 3rd TCH/H_0 of cell C |
| C_SACCHH1_C_3 | LOGICCH | "C_SACCHH1_C_3" | SACCH associated with 3rd TCH/H_1 of cell C |

|              |         |                |                                                  |
|--------------|---------|----------------|--------------------------------------------------|
| C_SACCHC4_A  | LOGICCH | "C_SACCHC4_A"  | TCH/H_1 of cell C                                |
| C_SACCHC4_B  | LOGICCH | "C_SACCHC4_B"  | SACCHC4 channel of cell A                        |
| C_SACCHC4_C  | LOGICCH | "C_SACCHC4_C"  | SACCHC4 channel of cell B                        |
| C_SACCHC4_D  | LOGICCH | "C_SACCHC4_D"  | SACCHC4 channel of cell C                        |
| C_SACCHC4_E  | LOGICCH | "C_SACCHC4_E"  | SACCHC4 channel of cell D                        |
| C_SACCHC4_F  | LOGICCH | "C_SACCHC4_F"  | SACCHC4 channel of cell E                        |
| C_SACCHC4_G  | LOGICCH | "C_SACCHC4_G"  | SACCHC4 channel of cell F                        |
| C_SACCHC4_H  | LOGICCH | "C_SACCHC4_H"  | SACCHC4 channel of cell G                        |
| C_SACCHC40_A | LOGICCH | "C_SACCHC40_A" | SACCHC4 channel of cell H                        |
|              |         |                | SACCH/C4(0) associated with SDCCH/4(0) of cell A |
| C_SACCHC41_A | LOGICCH | "C_SACCHC41_A" | SACCH/C4(1) associated with SDCCH/4(1) of cell A |
| C_SACCHC42_A | LOGICCH | "C_SACCHC42_A" | SACCH/C4(2) associated with SDCCH/4(2) of cell A |
| C_SACCHC43_A | LOGICCH | "C_SACCHC43_A" | SACCH/C4(3) associated with SDCCH/4(3) of cell A |
| C_SACCHC40_B | LOGICCH | "C_SACCHC40_B" | SACCH/C4(0) associated with SDCCH/4(0) of cell B |
| C_SACCHC41_B | LOGICCH | "C_SACCHC41_B" | SACCH/C4(1) associated with SDCCH/4(1) of cell B |
| C_SACCHC42_B | LOGICCH | "C_SACCHC42_B" | SACCH/C4(2) associated with SDCCH/4(2) of cell B |
| C_SACCHC43_B | LOGICCH | "C_SACCHC43_B" | SACCH/C4(3) associated with SDCCH/4(3) of cell B |
| C_SACCHC40_C | LOGICCH | "C_SACCHC40_C" | SACCH/C4(0) associated with SDCCH/4(0) of cell C |
| C_SACCHC41_C | LOGICCH | "C_SACCHC41_C" | SACCH/C4(1) associated with SDCCH/4(1) of cell C |
| C_SACCHC42_C | LOGICCH | "C_SACCHC42_C" | SACCH/C4(2) associated with SDCCH/4(2) of cell C |
| C_SACCHC43_C | LOGICCH | "C_SACCHC43_C" | SACCH/C4(3) associated with SDCCH/4(3) of cell C |
| C_SACCHC40_D | LOGICCH | "C_SACCHC40_D" | SACCH/C4(0) associated with SDCCH/4(0) of cell D |
| C_SACCHC41_D | LOGICCH | "C_SACCHC41_D" | SACCH/C4(1) associated with SDCCH/4(1) of cell D |
| C_SACCHC42_D | LOGICCH | "C_SACCHC42_D" | SACCH/C4(2) associated with SDCCH/4(2) of cell D |
| C_SACCHC43_D | LOGICCH | "C_SACCHC43_D" | SACCH/C4(3) associated with SDCCH/4(3) of cell D |
| C_SACCHC40_E | LOGICCH | "C_SACCHC40_E" | SACCH/C4(0) associated with SDCCH/4(0) of cell E |
| C_SACCHC41_E | LOGICCH | "C_SACCHC41_E" | SACCH/C4(1) associated with SDCCH/4(1) of cell E |
| C_SACCHC42_E | LOGICCH | "C_SACCHC42_E" | SACCH/C4(2) associated with SDCCH/4(2) of cell E |
| C_SACCHC43_E | LOGICCH | "C_SACCHC43_E" | SACCH/C4(3) associated with SDCCH/4(3) of cell E |
| C_SACCHC40_F | LOGICCH | "C_SACCHC40_F" | SACCH/C4(0) associated with SDCCH/4(0) of cell F |
| C_SACCHC41_F | LOGICCH | "C_SACCHC41_F" | SACCH/C4(1) associated with SDCCH/4(1) of cell F |
| C_SACCHC42_F | LOGICCH | "C_SACCHC42_F" | SACCH/C4(2) associated with SDCCH/4(2) of cell F |
| C_SACCHC43_F | LOGICCH | "C_SACCHC43_F" | SACCH/C4(3) associated with SDCCH/4(3) of cell F |
| C_SACCHC40_G | LOGICCH | "C_SACCHC40_G" | SACCH/C4(0) associated with SDCCH/4(0) of cell G |
| C_SACCHC41_G | LOGICCH | "C_SACCHC41_G" | SACCH/C4(1) associated with SDCCH/4(1) of cell G |
| C_SACCHC42_G | LOGICCH | "C_SACCHC42_G" | SACCH/C4(2) associated with SDCCH/4(2) of cell G |
| C_SACCHC43_G | LOGICCH | "C_SACCHC43_G" | SACCH/C4(3) associated with SDCCH/4(3) of cell G |
| C_SACCHC40_H | LOGICCH | "C_SACCHC40_C" | SACCH/C4(0) associated with SDCCH/4(0) of cell H |
| C_SACCHC41_H | LOGICCH | "C_SACCHC41_C" | SACCH/C4(1) associated with SDCCH/4(1) of cell H |
| C_SACCHC42_H | LOGICCH | "C_SACCHC42_C" | SACCH/C4(2) associated with                      |

|                |         |                  |                                                                             |
|----------------|---------|------------------|-----------------------------------------------------------------------------|
| C_SACCHC43_H   | LOGICCH | "C_SACCHC43_C"   | SDCCH/4(2) of cell H<br>SACCH/C4(3) associated with<br>SDCCH/4(3) of cell H |
| C_SACCHC8_A_1  | LOGICCH | "C_SACCHC8_A_1"  | 1st SACCH/8 channel of cell A                                               |
| C_SACCHC8_A_2  | LOGICCH | "C_SACCHC8_A_2"  | 2nd SACCH/8 channel of cell A                                               |
| C_SACCHC8_A_3  | LOGICCH | "C_SACCHC8_A_3"  | 3rd SACCH/8 channel of cell A                                               |
| C_SACCHC8_B_1  | LOGICCH | "C_SACCHC8_B_1"  | 1st SACCH/8 channel of cell B                                               |
| C_SACCHC8_B_2  | LOGICCH | "C_SACCHC8_B_2"  | 2nd SACCH/8 channel of cell B                                               |
| C_SACCHC8_B_3  | LOGICCH | "C_SACCHC8_B_3"  | 3rd SACCH/8 channel of cell B                                               |
| C_SACCHC8_C_1  | LOGICCH | "C_SACCHC8_C_1"  | 1st SACCH/8 channel of cell C                                               |
| C_SACCHC8_C_2  | LOGICCH | "C_SACCHC8_C_2"  | 2nd SACCH/8 channel of cell C                                               |
| C_SACCHC8_C_3  | LOGICCH | "C_SACCHC8_C_3"  | 3rd SACCH/8 channel of cell C                                               |
| C_SACCHC80_A_1 | LOGICCH | "C_SACCHC80_A_1" | SACCH/C8(0) associated with 1st<br>SDCCH/8(0) of cell A                     |
| C_SACCHC81_A_1 | LOGICCH | "C_SACCHC81_A_1" | SACCH/C8(1) associated with 1st<br>SDCCH/8(1) of cell A                     |
| C_SACCHC82_A_1 | LOGICCH | "C_SACCHC82_A_1" | SACCH/C8(2) associated with 1st<br>SDCCH/8(2) of cell A                     |
| C_SACCHC83_A_1 | LOGICCH | "C_SACCHC83_A_1" | SACCH/C8(3) associated with 1st<br>SDCCH/8(3) of cell A                     |
| C_SACCHC84_A_1 | LOGICCH | "C_SACCHC84_A_1" | SACCH/C8(4) associated with 1st<br>SDCCH/8(4) of cell A                     |
| C_SACCHC85_A_1 | LOGICCH | "C_SACCHC85_A_1" | SACCH/C8(5) associated with 1st<br>SDCCH/8(5) of cell A                     |
| C_SACCHC86_A_1 | LOGICCH | "C_SACCHC86_A_1" | SACCH/C8(6) associated with 1st<br>SDCCH/8(6) of cell A                     |
| C_SACCHC87_A_1 | LOGICCH | "C_SACCHC87_A_1" | SACCH/C8(7) associated with 1st<br>SDCCH/8(7) of cell A                     |
| C_SACCHC80_A_2 | LOGICCH | "C_SACCHC80_A_2" | SACCH/C8(0) associated with<br>2nd SDCCH/8(0) of cell A                     |
| C_SACCHC81_A_2 | LOGICCH | "C_SACCHC81_A_2" | SACCH/C8(1) associated with<br>2nd SDCCH/8(1) of cell A                     |
| C_SACCHC82_A_2 | LOGICCH | "C_SACCHC82_A_2" | SACCH/C8(2) associated with<br>2nd SDCCH/8(2) of cell A                     |
| C_SACCHC83_A_2 | LOGICCH | "C_SACCHC83_A_2" | SACCH/C8(3) associated with<br>2nd SDCCH/8(3) of cell A                     |
| C_SACCHC84_A_2 | LOGICCH | "C_SACCHC84_A_2" | SACCH/C8(4) associated with<br>2nd SDCCH/8(4) of cell A                     |
| C_SACCHC85_A_2 | LOGICCH | "C_SACCHC85_A_2" | SACCH/C8(5) associated with<br>2nd SDCCH/8(5) of cell A                     |
| C_SACCHC86_A_2 | LOGICCH | "C_SACCHC86_A_2" | SACCH/C8(6) associated with<br>2nd SDCCH/8(6) of cell A                     |
| C_SACCHC87_A_2 | LOGICCH | "C_SACCHC87_A_2" | SACCH/C8(7) associated with<br>2nd SDCCH/8(7) of cell A                     |
| C_SACCHC80_A_3 | LOGICCH | "C_SACCHC80_A_3" | SACCH/C8(0) associated with 3rd<br>SDCCH/8(0) of cell A                     |
| C_SACCHC81_A_3 | LOGICCH | "C_SACCHC81_A_3" | SACCH/C8(1) associated with 3rd<br>SDCCH/8(1) of cell A                     |
| C_SACCHC82_A_3 | LOGICCH | "C_SACCHC82_A_3" | SACCH/C8(2) associated with 3rd<br>SDCCH/8(2) of cell A                     |
| C_SACCHC83_A_3 | LOGICCH | "C_SACCHC83_A_3" | SACCH/C8(3) associated with 3rd<br>SDCCH/8(3) of cell A                     |
| C_SACCHC84_A_3 | LOGICCH | "C_SACCHC84_A_3" | SACCH/C8(4) associated with 3rd<br>SDCCH/8(4) of cell A                     |
| C_SACCHC85_A_3 | LOGICCH | "C_SACCHC85_A_3" | SACCH/C8(5) associated with 3rd<br>SDCCH/8(5) of cell A                     |
| C_SACCHC86_A_3 | LOGICCH | "C_SACCHC86_A_3" | SACCH/C8(6) associated with 3rd<br>SDCCH/8(6) of cell A                     |
| C_SACCHC87_A_3 | LOGICCH | "C_SACCHC87_A_3" | SACCH/C8(7) associated with 3rd<br>SDCCH/8(7) of cell A                     |
| C_SACCHC80_B_1 | LOGICCH | "C_SACCHC80_B_1" | SACCH/C8(0) associated with 1st<br>SDCCH/8(0) of cell B                     |
| C_SACCHC81_B_1 | LOGICCH | "C_SACCHC81_B_1" | SACCH/C8(1) associated with 1st<br>SDCCH/8(1) of cell B                     |
| C_SACCHC82_B_1 | LOGICCH | "C_SACCHC82_B_1" | SACCH/C8(2) associated with 1st<br>SDCCH/8(2) of cell B                     |
| C_SACCHC83_B_1 | LOGICCH | "C_SACCHC83_B_1" | SACCH/C8(3) associated with 1st<br>SDCCH/8(3) of cell B                     |
| C_SACCHC84_B_1 | LOGICCH | "C_SACCHC84_B_1" | SACCH/C8(4) associated with 1st<br>SDCCH/8(4) of cell B                     |

|                |         |                  |                                                      |
|----------------|---------|------------------|------------------------------------------------------|
| C_SACCHC85_B_1 | LOGICCH | "C_SACCHC85_B_1" | SACCH/C8(5) associated with 1st SDCCH/8(5) of cell B |
| C_SACCHC86_B_1 | LOGICCH | "C_SACCHC86_B_1" | SACCH/C8(6) associated with 1st SDCCH/8(6) of cell B |
| C_SACCHC87_B_1 | LOGICCH | "C_SACCHC87_B_1" | SACCH/C8(7) associated with 1st SDCCH/8(7) of cell B |
| C_SACCHC80_B_2 | LOGICCH | "C_SACCHC80_B_2" | SACCH/C8(0) associated with 2nd SDCCH/8(0) of cell B |
| C_SACCHC81_B_2 | LOGICCH | "C_SACCHC81_B_2" | SACCH/C8(1) associated with 2nd SDCCH/8(1) of cell B |
| C_SACCHC82_B_2 | LOGICCH | "C_SACCHC82_B_2" | SACCH/C8(2) associated with 2nd SDCCH/8(2) of cell B |
| C_SACCHC83_B_2 | LOGICCH | "C_SACCHC83_B_2" | SACCH/C8(3) associated with 2nd SDCCH/8(3) of cell B |
| C_SACCHC84_B_2 | LOGICCH | "C_SACCHC84_B_2" | SACCH/C8(4) associated with 2nd SDCCH/8(4) of cell B |
| C_SACCHC85_B_2 | LOGICCH | "C_SACCHC85_B_2" | SACCH/C8(5) associated with 2nd SDCCH/8(5) of cell B |
| C_SACCHC86_B_2 | LOGICCH | "C_SACCHC86_B_2" | SACCH/C8(6) associated with 2nd SDCCH/8(6) of cell B |
| C_SACCHC87_B_2 | LOGICCH | "C_SACCHC87_B_2" | SACCH/C8(7) associated with 2nd SDCCH/8(7) of cell B |
| C_SACCHC80_B_3 | LOGICCH | "C_SACCHC80_B_3" | SACCH/C8(0) associated with 3rd SDCCH/8(0) of cell B |
| C_SACCHC81_B_3 | LOGICCH | "C_SACCHC81_B_3" | SACCH/C8(1) associated with 3rd SDCCH/8(1) of cell B |
| C_SACCHC82_B_3 | LOGICCH | "C_SACCHC82_B_3" | SACCH/C8(2) associated with 3rd SDCCH/8(2) of cell B |
| C_SACCHC83_B_3 | LOGICCH | "C_SACCHC83_B_3" | SACCH/C8(3) associated with 3rd SDCCH/8(3) of cell B |
| C_SACCHC84_B_3 | LOGICCH | "C_SACCHC84_B_3" | SACCH/C8(4) associated with 3rd SDCCH/8(4) of cell B |
| C_SACCHC85_B_3 | LOGICCH | "C_SACCHC85_B_3" | SACCH/C8(5) associated with 3rd SDCCH/8(5) of cell B |
| C_SACCHC86_B_3 | LOGICCH | "C_SACCHC86_B_3" | SACCH/C8(6) associated with 3rd SDCCH/8(6) of cell B |
| C_SACCHC87_B_3 | LOGICCH | "C_SACCHC87_B_3" | SACCH/C8(7) associated with 3rd SDCCH/8(7) of cell B |
| C_SACCHC80_C_1 | LOGICCH | "C_SACCHC80_C_1" | SACCH/C8(0) associated with 1st SDCCH/8(0) of cell C |
| C_SACCHC81_C_1 | LOGICCH | "C_SACCHC81_C_1" | SACCH/C8(1) associated with 1st SDCCH/8(1) of cell C |
| C_SACCHC82_C_1 | LOGICCH | "C_SACCHC82_C_1" | SACCH/C8(2) associated with 1st SDCCH/8(2) of cell C |
| C_SACCHC83_C_1 | LOGICCH | "C_SACCHC83_C_1" | SACCH/C8(3) associated with 1st SDCCH/8(3) of cell C |
| C_SACCHC84_C_1 | LOGICCH | "C_SACCHC84_C_1" | SACCH/C8(4) associated with 1st SDCCH/8(4) of cell C |
| C_SACCHC85_C_1 | LOGICCH | "C_SACCHC85_C_1" | SACCH/C8(5) associated with 1st SDCCH/8(5) of cell C |
| C_SACCHC86_C_1 | LOGICCH | "C_SACCHC86_C_1" | SACCH/C8(6) associated with 1st SDCCH/8(6) of cell C |
| C_SACCHC87_C_1 | LOGICCH | "C_SACCHC87_C_1" | SACCH/C8(7) associated with 1st SDCCH/8(7) of cell C |
| C_SACCHC80_C_2 | LOGICCH | "C_SACCHC80_C_2" | SACCH/C8(0) associated with 2nd SDCCH/8(0) of cell C |
| C_SACCHC81_C_2 | LOGICCH | "C_SACCHC81_C_2" | SACCH/C8(1) associated with 2nd SDCCH/8(1) of cell C |
| C_SACCHC82_C_2 | LOGICCH | "C_SACCHC82_C_2" | SACCH/C8(2) associated with 2nd SDCCH/8(2) of cell C |
| C_SACCHC83_C_2 | LOGICCH | "C_SACCHC83_C_2" | SACCH/C8(3) associated with 2nd SDCCH/8(3) of cell C |
| C_SACCHC84_C_2 | LOGICCH | "C_SACCHC84_C_2" | SACCH/C8(4) associated with 2nd SDCCH/8(4) of cell C |
| C_SACCHC85_C_2 | LOGICCH | "C_SACCHC85_C_2" | SACCH/C8(5) associated with 2nd SDCCH/8(5) of cell C |
| C_SACCHC86_C_2 | LOGICCH | "C_SACCHC86_C_2" | SACCH/C8(6) associated with 2nd SDCCH/8(6) of cell C |
| C_SACCHC87_C_2 | LOGICCH | "C_SACCHC87_C_2" | SACCH/C8(7) associated with 2nd SDCCH/8(7) of cell C |
| C_SACCHC80_C_3 | LOGICCH | "C_SACCHC80_C_3" | SACCH/C8(0) associated with 3rd                      |

|                |         |                  |                                                      |
|----------------|---------|------------------|------------------------------------------------------|
| C_SACCHC81_C_3 | LOGICCH | "C_SACCHC81_C_3" | SDCCH/8(0) of cell C                                 |
| C_SACCHC82_C_3 | LOGICCH | "C_SACCHC82_C_3" | SACCH/C8(1) associated with 3rd SDCCH/8(1) of cell C |
| C_SACCHC83_C_3 | LOGICCH | "C_SACCHC83_C_3" | SACCH/C8(2) associated with 3rd SDCCH/8(2) of cell C |
| C_SACCHC84_C_3 | LOGICCH | "C_SACCHC84_C_3" | SACCH/C8(3) associated with 3rd SDCCH/8(3) of cell C |
| C_SACCHC85_C_3 | LOGICCH | "C_SACCHC85_C_3" | SACCH/C8(4) associated with 3rd SDCCH/8(4) of cell C |
| C_SACCHC86_C_3 | LOGICCH | "C_SACCHC86_C_3" | SACCH/C8(5) associated with 3rd SDCCH/8(5) of cell C |
| C_SACCHC87_C_3 | LOGICCH | "C_SACCHC87_C_3" | SACCH/C8(6) associated with 3rd SDCCH/8(6) of cell C |
| C_SDCCH4_A     | LOGICCH | "C_SDCCH4_A"     | SACCH/C8(7) associated with 3rd SDCCH/8(7) of cell C |
| C_SDCCH4_B     | LOGICCH | "C_SDCCH4_B"     | SDCCH/4 channel of cell A                            |
| C_SDCCH4_C     | LOGICCH | "C_SDCCH4_C"     | SDCCH/4 channel of cell B                            |
| C_SDCCH4_D     | LOGICCH | "C_SDCCH4_D"     | SDCCH/4 channel of cell C                            |
| C_SDCCH4_E     | LOGICCH | "C_SDCCH4_E"     | SDCCH/4 channel of cell D                            |
| C_SDCCH4_F     | LOGICCH | "C_SDCCH4_F"     | SDCCH/4 channel of cell E                            |
| C_SDCCH4_G     | LOGICCH | "C_SDCCH4_G"     | SDCCH/4 channel of cell F                            |
| C_SDCCH4_H     | LOGICCH | "C_SDCCH4_H"     | SDCCH/4 channel of cell G                            |
| C_SDCCH40_A    | LOGICCH | "C_SDCCH40_A"    | SDCCH/4 channel of cell H                            |
| C_SDCCH41_A    | LOGICCH | "C_SDCCH41_A"    | SDCCH/4(0) of cell A                                 |
| C_SDCCH42_A    | LOGICCH | "C_SDCCH42_A"    | SDCCH/4(1) of cell A                                 |
| C_SDCCH43_A    | LOGICCH | "C_SDCCH43_A"    | SDCCH/4(2) of cell A                                 |
| C_SDCCH40_B    | LOGICCH | "C_SDCCH40_B"    | SDCCH/4(3) of cell A                                 |
| C_SDCCH41_B    | LOGICCH | "C_SDCCH41_B"    | SDCCH/4(0) of cell B                                 |
| C_SDCCH42_B    | LOGICCH | "C_SDCCH42_B"    | SDCCH/4(1) of cell B                                 |
| C_SDCCH43_B    | LOGICCH | "C_SDCCH43_B"    | SDCCH/4(2) of cell B                                 |
| C_SDCCH40_C    | LOGICCH | "C_SDCCH40_C"    | SDCCH/4(3) of cell B                                 |
| C_SDCCH41_C    | LOGICCH | "C_SDCCH41_C"    | SDCCH/4(0) of cell C                                 |
| C_SDCCH42_C    | LOGICCH | "C_SDCCH42_C"    | SDCCH/4(1) of cell C                                 |
| C_SDCCH43_C    | LOGICCH | "C_SDCCH43_C"    | SDCCH/4(2) of cell C                                 |
| C_SDCCH40_D    | LOGICCH | "C_SDCCH40_D"    | SDCCH/4(3) of cell C                                 |
| C_SDCCH41_D    | LOGICCH | "C_SDCCH41_D"    | SDCCH/4(0) of cell D                                 |
| C_SDCCH42_D    | LOGICCH | "C_SDCCH42_D"    | SDCCH/4(1) of cell D                                 |
| C_SDCCH43_D    | LOGICCH | "C_SDCCH43_D"    | SDCCH/4(2) of cell D                                 |
| C_SDCCH40_E    | LOGICCH | "C_SDCCH40_E"    | SDCCH/4(3) of cell D                                 |
| C_SDCCH41_E    | LOGICCH | "C_SDCCH41_E"    | SDCCH/4(0) of cell E                                 |
| C_SDCCH42_E    | LOGICCH | "C_SDCCH42_E"    | SDCCH/4(1) of cell E                                 |
| C_SDCCH43_E    | LOGICCH | "C_SDCCH43_E"    | SDCCH/4(2) of cell E                                 |
| C_SDCCH40_F    | LOGICCH | "C_SDCCH40_F"    | SDCCH/4(3) of cell E                                 |
| C_SDCCH41_F    | LOGICCH | "C_SDCCH41_F"    | SDCCH/4(0) of cell F                                 |
| C_SDCCH42_F    | LOGICCH | "C_SDCCH42_F"    | SDCCH/4(1) of cell F                                 |
| C_SDCCH43_F    | LOGICCH | "C_SDCCH43_F"    | SDCCH/4(2) of cell F                                 |
| C_SDCCH40_G    | LOGICCH | "C_SDCCH40_G"    | SDCCH/4(3) of cell F                                 |
| C_SDCCH41_G    | LOGICCH | "C_SDCCH41_G"    | SDCCH/4(0) of cell G                                 |
| C_SDCCH42_G    | LOGICCH | "C_SDCCH42_G"    | SDCCH/4(1) of cell G                                 |
| C_SDCCH43_G    | LOGICCH | "C_SDCCH43_G"    | SDCCH/4(2) of cell G                                 |
| C_SDCCH40_H    | LOGICCH | "C_SDCCH40_H"    | SDCCH/4(3) of cell G                                 |
| C_SDCCH41_H    | LOGICCH | "C_SDCCH41_H"    | SDCCH/4(0) of cell H                                 |
| C_SDCCH42_H    | LOGICCH | "C_SDCCH42_H"    | SDCCH/4(1) of cell H                                 |
| C_SDCCH43_H    | LOGICCH | "C_SDCCH43_H"    | SDCCH/4(2) of cell H                                 |
| C_SDCCH8_A_1   | LOGICCH | "C_SDCCH8_A_1"   | SDCCH/4(3) of cell H                                 |
| C_SDCCH8_A_2   | LOGICCH | "C_SDCCH8_A_2"   | 1st SDCCH/8 channel of cell A                        |
| C_SDCCH8_A_3   | LOGICCH | "C_SDCCH8_A_3"   | 2nd SDCCH/8 channel of cell A                        |
| C_SDCCH8_B_1   | LOGICCH | "C_SDCCH8_B_1"   | 3rd SDCCH/8 channel of cell A                        |
| C_SDCCH8_B_2   | LOGICCH | "C_SDCCH8_B_2"   | 1st SDCCH/8 channel of cell B                        |
| C_SDCCH80_A_1  | LOGICCH | "C_SDCCH80_A_1"  | 2nd SDCCH/8 channel of cell B                        |
| C_SDCCH81_A_1  | LOGICCH | "C_SDCCH81_A_1"  | 1st SDCCH/8(0) of cell A                             |
| C_SDCCH82_A_1  | LOGICCH | "C_SDCCH82_A_1"  | 1st SDCCH/8(1) of cell A                             |
| C_SDCCH83_A_1  | LOGICCH | "C_SDCCH83_A_1"  | 1st SDCCH/8(2) of cell A                             |
| C_SDCCH84_A_1  | LOGICCH | "C_SDCCH84_A_1"  | 1st SDCCH/8(3) of cell A                             |
| C_SDCCH85_A_1  | LOGICCH | "C_SDCCH85_A_1"  | 1st SDCCH/8(4) of cell A                             |
|                |         |                  | 1st SDCCH/8(5) of cell A                             |



|                                                  |             |                                                    |                                                                                                                                                 |
|--------------------------------------------------|-------------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| C_SDCCH87_C_3                                    | LOGICCH     | "C_SDCCH87_C_3"                                    | 3rd SDCCH/8(7) of cell C                                                                                                                        |
| C_CHSDCCH8_FH                                    | OCTETSTRING | '00'O                                              | ch.type SDCCH8 with FH                                                                                                                          |
| C_CHSDCCH8_NonFH                                 | OCTETSTRING | '01'O                                              | ch.type SDCCH8 No FH                                                                                                                            |
| C_CHSDCCH4_NonFH                                 | OCTETSTRING | '03'O                                              | ch.type SDCCH4 NoFH                                                                                                                             |
| C_CHTCHF_FH                                      | OCTETSTRING | '04'O                                              | ch.type TCHF FH                                                                                                                                 |
| C_CHTCHF_NonFH                                   | OCTETSTRING | '05'O                                              | ch.type TCHF NonFH                                                                                                                              |
| C_CHTCHH_FH                                      | OCTETSTRING | '06'O                                              | ch.type TCHH FH                                                                                                                                 |
| C_TCHF_ACCHF_1                                   | LOGCH       | "C_TCHF_ACCHF_1"                                   | first TCH/F + ACCHs type channel                                                                                                                |
| C_TCHF_ACCHF_2                                   | LOGCH       | "C_TCHF_ACCHF_2"                                   | second TCH/F + ACCHs type channel                                                                                                               |
| C_TCHH_ACCHH_1                                   | LOGCH       | "C_TCHH_ACCHH_1"                                   | first TCH/H + ACCHs type channel                                                                                                                |
| C_TCHH_ACCHH_2                                   | LOGCH       | "C_TCHH_ACCHH_2"                                   | second TCH/H + ACCHs type channel                                                                                                               |
| C_FCCH_SCH_BCCH_CCH<br>H                         | LOGCH       | "C_FCCH_SCH_BCCH_CCH<br>H"                         | FCCH_SCH_BCCH_CCH type channel                                                                                                                  |
| C_BCCH_CCCH_2                                    | LOGCH       | "C_BCCH_CCCH_2"                                    | second BCCH_CCCH type channel                                                                                                                   |
| C_BCCH_CCCH_3                                    | LOGCH       | "C_BCCH_CCCH_3"                                    | third BCCH_CCCH type channel                                                                                                                    |
| C_BCCH_CCCH_4                                    | LOGCH       | "C_BCCH_CCCH_4"                                    | fourth BCCH_CCCH type channel                                                                                                                   |
| C_FCCH_SCH_BCCH_CCH<br>H_SDCCH4_SACCHC4          | LOGCH       | "C_FCCH_SCH_BCCH_CCH<br>H_SDCCH4_SACCHC4"          | combined CCCH type channel                                                                                                                      |
| C_CBCH_FCCH_SCH_BCC<br>H_CCCH_SDCCH4_SACCH<br>C4 | LOGCH       | "C_CBCH_FCCH_SCH_BCC<br>H_CCCH_SDCCH4_SACCH<br>C4" | combined CCCH type channel for cell broadcast SM                                                                                                |
| C_SDCCH8_SACCHC8_1                               | LOGCH       | "C_SDCCH8_SACCHC8_1"                               | first SDCCH/8 type channel                                                                                                                      |
| C_SDCCH8_SACCHC8_2                               | LOGCH       | "C_SDCCH8_SACCHC8_2"                               | second SDCCH/8 type channel                                                                                                                     |
| C_SDCCH8_SACCHC8_3                               | LOGCH       | "C_SDCCH8_SACCHC8_3"                               | 3rd SDCCH/8 type channel                                                                                                                        |
| C_S0                                             | SN          | '000'B                                             | time slot 0                                                                                                                                     |
| C_S2                                             | SN          | '010'B                                             | time slot 2                                                                                                                                     |
| C_S3                                             | SN          | '011'B                                             | time slot 3                                                                                                                                     |
| C_S4                                             | SN          | '100'B                                             | time slot 4                                                                                                                                     |
| C_S6                                             | SN          | '110'B                                             | time slot 6                                                                                                                                     |
| C_Rcv                                            | BITSTRING   | '101'B                                             | receiving only                                                                                                                                  |
| C_SAVE                                           | INTEGER     | 0                                                  | the OC_SaveAndProc saves input values                                                                                                           |
| C_PROC                                           | INTEGER     | 1                                                  | the OC_SvaAndProc processes saved values                                                                                                        |
| C_RETRV                                          | INTEGER     | 1                                                  |                                                                                                                                                 |
| C_U1                                             | CCSTATE     | 1                                                  | CC state U1                                                                                                                                     |
| C_U3                                             | CCSTATE     | 3                                                  | CC state U3                                                                                                                                     |
| C_U4                                             | CCSTATE     | 4                                                  | CC state U4                                                                                                                                     |
| C_U6                                             | CCSTATE     | 6                                                  | CC state U6                                                                                                                                     |
| C_U7                                             | CCSTATE     | 7                                                  | CC state U7                                                                                                                                     |
| C_U8                                             | CCSTATE     | 8                                                  | CC state U8                                                                                                                                     |
| C_U9                                             | CCSTATE     | 9                                                  | CC state U9                                                                                                                                     |
| C_U10                                            | CCSTATE     | 10                                                 | CC state U10                                                                                                                                    |
| C_U11                                            | CCSTATE     | 11                                                 | CC state U11                                                                                                                                    |
| C_U12                                            | CCSTATE     | 12                                                 | CC state U12                                                                                                                                    |
| C_U19                                            | CCSTATE     | 19                                                 | CC state U19                                                                                                                                    |
| C_U26                                            | CCSTATE     | 26                                                 | CC state U26                                                                                                                                    |
| C_NxtButOne                                      | SENDINGMODE | 1                                                  | send the second message on the next but one paging subblock                                                                                     |
| C_FmrAGB                                         | SENDINGMODE | 2                                                  | send the second message on the former access grant block                                                                                        |
| C_BfReOcc                                        | SENDINGMODE | 3                                                  | send the second message before the MS's original paging subchannel re-occurs, but later than the next paging block of that CCCH                 |
| C_NxtButOneNxt                                   | SENDINGMODE | 4                                                  | nothing is sent in the next but one paging sub block, then send the second message<br>in the next paging subblock of the MS's paging subchannel |
| C_CMServiceTypeE                                 | CMSVTYPE    | '0010'B                                            | CM Service Type for emergency call.                                                                                                             |



|                  |           |                    |                                                                      |
|------------------|-----------|--------------------|----------------------------------------------------------------------|
| C_Telephony      | IA5String | "C_Telephony"      | telephony service (TS11)                                             |
| C_EmgCallSRV     | IA5String | "C_EmgCallSRV"     | emergency call service (TS12)                                        |
| C_AltSpchG3_2400 | IA5String | "C_AltSpchG3_2400" | alternate speech and G3 fax (rate: 2400 Bit/s) service (TS61)        |
| C_AltSpchG3_4800 | IA5String | "C_AltSpchG3_4800" | alternate speech and G3 fax (rate: 4800 Bit/s) service (TS61)        |
| C_AltSpchG3_9600 | IA5String | "C_AltSpchG3_9600" | alternate speech and G3 fax (rate: 9600 Bit/s) service (TS61)        |
| C_AutoG3_T_2400  | IA5String | "C_AutoG3_T_2400"  | automatic G3 fax service (TS62) transparent, user rate 2,4 kbits/s   |
| C_AutoG3_T_4800  | IA5String | "C_AutoG3_T_4800"  | automatic G3 fax service (TS62) transparent, user rate 4,8 kbits/s   |
| C_AutoG3_T_9600  | IA5String | "C_AutoG3_T_9600"  | automatic G3 fax service (TS62) transparent, user rate 9,6 kbits/s   |
| C_300cda         | IA5String | "C_300cda"         | data circuit duplex async. 300 bit/s service (BS21)                  |
| C_300cda_T       | IA5String | "C_300cda_T"       | data circuit duplex async. 300 bit/s service (BS21), transparent     |
| C_1200cda        | IA5String | "C_1200cda"        | data circuit duplex async. 1200 bit/s service (BS22)                 |
| C_1200cda_T      | IA5String | "C_1200cda_T"      | data circuit duplex async. 1200 bit/s service (BS22), transparent    |
| C_120075cda      | IA5String | "C_120075cda"      | data circuit duplex async. 1200/75 bit/s service (BS23)              |
| C_120075cda_T    | IA5String | "C_120075cda_T"    | data circuit duplex async. 1200/75 bit/s service (BS23), transparent |
| C_2400cda        | IA5String | "C_2400cda"        | data circuit duplex async. 2400 bit/s service (BS24)                 |
| C_2400cda_T      | IA5String | "C_2400cda_T"      | data circuit duplex async. 2400 bit/s service (BS24), transparent    |
| C_4800cda        | IA5String | "C_4800cda"        | data circuit duplex async. 4800 bit/s service (BS25)                 |
| C_4800cda_T      | IA5String | "C_4800cda_T"      | data circuit duplex async. 4800 bit/s service (BS25), transparent    |
| C_9600cda        | IA5String | "C_9600cda"        | data circuit duplex async 9600 bit/s service (BS26)                  |
| C_1200cda        | IA5String | "C_1200cda"        | data circuit duplex sync. 1200 bit/s service (BS31)                  |
| C_2400cda        | IA5String | "C_2400cda"        | data circuit duplex sync. 2400 bit/s service (BS32)                  |
| C_2400cda_T      | IA5String | "C_2400cda_T"      | data circuit duplex sync. 2400 bit/s service (BS32), transparent     |
| C_4800cda        | IA5String | "C_4800cda"        | data circuit duplex sync. 4800 bit/s service (BS33)                  |
| C_4800cda_T      | IA5String | "C_4800cda_T"      | data circuit duplex sync. 4800 bit/s service (BS33), transparent     |
| C_9600cda        | IA5String | "C_9600cda"        | data circuit duplex sync 9600 bit/s service (BS34)                   |
| C_PAD300         | IA5String | "C_PAD300"         | PAD access 300 bit/s service (BS41)                                  |
| C_PAD300_T       | IA5String | "C_PAD300_T"       | PAD access 300 bit/s service (BS41), transparent                     |
| C_PAD1200        | IA5String | "C_PAD1200"        | PAD access 1200 bit/s service (BS42)                                 |
| C_PAD1200_T      | IA5String | "C_PAD1200_T"      | PAD access 1200 bit/s service (BS42), transparent                    |
| C_PAD120075      | IA5String | "C_PAD120075"      | PAD access 1200/75 bit/s service (BS43)                              |
| C_PAD120075_T    | IA5String | "C_PAD120075_T"    | PAD access 1200/75 bit/s service (BS43), transparent                 |
| C_PAD2400        | IA5String | "C_PAD2400"        | PAD access 2400 bit/s service (BS44)                                 |
| C_PAD2400_T      | IA5String | "C_PAD2400_T"      | PAD access 2400 bit/s service (BS44), transparent                    |
| C_PAD4800        | IA5String | "C_PAD4800"        | PAD access 4800 bit/s service (BS45)                                 |
| C_PAD4800_T      | IA5String | "C_PAD4800_T"      | PAD access 4800 bit/s service (BS45), transparent                    |
| C_PAD9600        | IA5String | "C_PAD9600"        | PAD access 9600 bit/s service (BS46)                                 |
| C_Pkt2400        | IA5String | "C_Pkt2400"        | packt access 2400 bit/s service                                      |

|                       |           |                        |                                                            |
|-----------------------|-----------|------------------------|------------------------------------------------------------|
| C_Pkt4800             | IA5String | "C_Pkt4800"            | (BS51)<br>packt access 4800 bit/s service (BS52)           |
| C_Pkt9600             | IA5String | "C_Pkt9600"            | packt access 9600 bit/s service (BS53)                     |
| C_AltSpchData_300     | IA5String | "C_AltSpchData_300"    | alternate speech/data (rate: 300 Bit/s) service (BS61)     |
| C_AltSpchData_1200    | IA5String | "C_AltSpchData_1200"   | alternate speech/data (rate: 1200 Bit/s) service (BS61)    |
| C_AltSpchData_120075  | IA5String | "C_AltSpchData_120075" | alternate speech/data (rate: 1200/75 Bit/s) service (BS61) |
| C_AltSpchData_2400    | IA5String | "C_AltSpchData_2400"   | alternate speech/data (rate: 2400 Bit/s) service (BS61)    |
| C_AltSpchData_4800    | IA5String | "C_AltSpchData_4800"   | alternate speech/data (rate: 4800 Bit/s) service (BS61)    |
| C_AltSpchData_9600    | IA5String | "C_AltSpchData_9600"   | alternate speech/data (rate: 9600 Bit/s) service (BS61)    |
| C_SpchData_300        | IA5String | "C_SpchData_300"       | speech followed data (rate: 300 Bit/s) service (BS81)      |
| C_SpchData_1200       | IA5String | "C_SpchData_1200"      | speech followed data (rate: 1200 Bit/s) service (BS81)     |
| C_SpchData_120075     | IA5String | "C_SpchData_120075"    | speech followed data (rate: 1200/75 Bit/s) service (BS81)  |
| C_SpchData_2400       | IA5String | "C_SpchData_2400"      | speech followed data (rate: 2400 Bit/s) service (BS81)     |
| C_SpchData_4800       | IA5String | "C_SpchData_4800"      | speech followed data (rate: 4800 Bit/s) service (BS81)     |
| C_SpchData_9600       | IA5String | "C_SpchData_9600"      | speech followed data (rate: 9600 Bit/s) service (BS81)     |
| C_I                   | INTEGER   | 1                      | I command of L 2                                           |
| C_Immass              | BITSTRING | '000'B                 | activation for immediate assignment                        |
| C_Ass                 | BITSTRING | '001'B                 | activation for assignment                                  |
| C_Asynho              | BITSTRING | '010'B                 | activation for asynchronous handover                       |
| C_LocEndRel           | RelMode   | '01'O                  | local end release                                          |
| C_MaxPwrLvlD          | INTEGER   | 15                     | Max power level for MS DCS                                 |
| C_MaxPwrLvlG          | INTEGER   | 19                     | Max power level for MS GSM                                 |
| C_rc_conditIEerror    | REJCAU    | '64'O                  | reject cause:<br>Conditional IE error                      |
| C_rc_congestion       | REJCAU    | '16'O                  | reject cause:<br>congestion                                |
| C_rc_illegal_ms       | REJCAU    | '03'O                  | reject cause:<br>illegal MS                                |
| C_rc_illegal_me       | REJCAU    | '06'O                  | reject cause:<br>illegal ME                                |
| C_rc_imsiunknownhlr   | REJCAU    | '02'O                  | reject cause:<br>IMSI unknown in HLR                       |
| C_rc_imsiunknownvlr   | REJCAU    | '04'O                  | reject cause:<br>IMSI unknown in VLR                       |
| C_rc_invalidmaninfo   | REJCAU    | '60'O                  | reject cause:<br>invalid mandatory information             |
| C_rc_LAnotallowed     | REJCAU    | '06'O                  | reject cause:<br>LocationArea is not allowed               |
| C_rc_networkfailure   | REJCAU    | '11'O                  | reject cause:<br>network failure                           |
| C_rc_notidentified    | REJCAU    | '26'O                  | reject cause:<br>can not be identified                     |
| C_rc_plmn_not         | REJCAU    | '0B'O                  | reject cause:<br>PLMN not allowed                          |
| C_rc_protocolerror    | REJCAU    | '6F'O                  | reject cause:<br>Protocol error unspecified                |
| C_rc_reqservoptnotsub | REJCAU    | '21'O                  | reject cause:<br>requested service option not subscribed   |
| C_rc_roamingnot       | REJCAU    | '0D'O                  | reject cause:<br>Roaming not allowed                       |
| C_RadioLinkTimeOut    | INTEGER   | 1                      | default value for radio link timeout                       |

|                    |         |                      |                                                                                         |
|--------------------|---------|----------------------|-----------------------------------------------------------------------------------------|
| C_Restablishment   | B_1     | '0'B                 | Restablishment allowed                                                                  |
| C_noRestablishment | B_1     | '1'B                 | No restablishment allowed                                                               |
| C_CellReselectHys0 | INTEGER | 0                    | Cell Reselection Hysteresis value<br>0                                                  |
| C_STRT             | BOOLEAN | TRUE                 | start checking                                                                          |
| C_STOP             | BOOLEAN | FALSE                | stop checking                                                                           |
| C_T_8SACCHblocks   | INTEGER | 4                    | Time for the period of 8<br>SACCHblocks in sec.<br>(8X480ms=4sec)                       |
| C_Tzone0           | TZONES  | 0                    | Time zone 0 (used in TC_34_2_1,<br>TC_34_2_5_3)                                         |
| C_Tzone1           | TZONES  | 4                    | Time zone 4 (used in TC_34_2_2,<br>TC_34_2_7)                                           |
| C_Tzone2           | TZONES  | 10                   | Time zone 10 (used in<br>TC_34_2_3)                                                     |
| C_Tzone3           | TZONES  | 15                   | Time zone 15 (used in<br>TC_34_2_4)                                                     |
| C_Tzone4           | TZONES  | 25                   | Time zone 25 (used in<br>TC_34_2_5_1)                                                   |
| C_Tzone5           | TZONES  | 35                   | Time zone 35 (used in<br>TC_34_2_5_2)                                                   |
| C_Tzone6           | TZONES  | 45                   | Time zone 45 (used in<br>TC_34_2_8)                                                     |
| C_T_TwiceTC1M      | INTEGER | TSPX_TC1M * 2000     | Twice TC1M in ms                                                                        |
| C_T_T3211_80       | INTEGER | 12000                | 80 % of T3211 (15s)                                                                     |
| C_T_T3212          | INTEGER | 360000               | T3212(6min)                                                                             |
| C_T_T3212min       | INTEGER | 345000               | T3212(6min) - 15sec                                                                     |
| C_T_T3212dif       | INTEGER | 15000                | Difference between T3212 and<br>T3212min                                                |
| C_T_T3210          | INTEGER | TSPX_T3210 * 1000    | timer T3210 in ms                                                                       |
| C_T_T3211min       | INTEGER | TSPX_T3211min * 1000 | (T3211 - 10% T3211) in ms                                                               |
| C_T_T3230min       | INTEGER | TSPX_T3230min * 1000 | 90% T3230 in ms                                                                         |
| C_T_T3240min       | INTEGER | TSPX_T3240min * 1000 | 90% T3240 in ms                                                                         |
| C_T_T3240tol       | INTEGER | TSPX_T3240tol * 1000 | ( TSPX_T3240max -<br>TSPX_T3240min) in ms                                               |
| C_release_time     | INTEGER | 11                   | release timer value                                                                     |
| C_RegCFNRy         | INTEGER | 1                    | registration of call forwarding<br>service for CFNRy (speech)                           |
| C_RegCFU           | INTEGER | 2                    | registration of call forwarding<br>service for CFU (all facsimile)                      |
| C_RegCF            | INTEGER | 3                    | registration of call forwarding<br>service for CF (all facsimile)                       |
| C_ErsCFC           | INTEGER | 4                    | erasure of call forwarding service<br>for CFC (all facsimile)                           |
| C_ErsCFNRc         | INTEGER | 5                    | erasure of call forwarding service<br>for CFNRc (all basic services)                    |
| C_ErsCFNRy         | INTEGER | 6                    | erasure of call forwarding service<br>for CFNRy (all facsimile)                         |
| C_ActCF            | INTEGER | 7                    | activation of call forwarding<br>service for CF (all synchronous<br>services)           |
| C_ActCFU           | INTEGER | 8                    | activation of call forwarding<br>service for CFU (all basic<br>services)                |
| C_DeactCFC         | INTEGER | 9                    | deactivation of call forwarding<br>service for CFC (speech)                             |
| C_DeactCFNRc       | INTEGER | 10                   | deactivation of call forwarding<br>service for CFNRc (all facsimile)                    |
| C_InterrogCFC      | INTEGER | 11                   | interrogation of call forwarding<br>service for CFC (Speech)                            |
| C_InterrogCFB      | INTEGER | 12                   | interrogation of call forwarding<br>service for CFB (all basic<br>services)             |
| C_NotifyCFB        | INTEGER | 13                   | notification of call forwarding<br>service for CFB (incoming call is<br>forwarded)      |
| C_NotifyCFU        | INTEGER | 14                   | notification of call forwarding<br>service for CFU (provisioned,<br>registered, active) |
| C_NotifyCFC        | INTEGER | 15                   | notification of call forwarding                                                         |

|                                    |             |       |                                                                                                                           |
|------------------------------------|-------------|-------|---------------------------------------------------------------------------------------------------------------------------|
| C_NotifyCFNRc                      | INTEGER     | 16    | service for CFC (provisioned, registered, active)<br>notification of call forwarding service for CFNRc (Ms not reachable) |
| C_RegPswd                          | INTEGER     | 17    | Registration of password for all call barring services                                                                    |
| C_ActBOAC                          | INTEGER     | 18    | Activation of BOAC                                                                                                        |
| C_ActBICRoam                       | INTEGER     | 19    | Activation of BICRoam                                                                                                     |
| C_ActBOIC                          | INTEGER     | 20    | Activation of BOIC                                                                                                        |
| C_ActBAIC                          | INTEGER     | 21    | Activation of BAIC                                                                                                        |
| C_DeactBO                          | INTEGER     | 22    | Deactivation of BO                                                                                                        |
| C_DeactBI                          | INTEGER     | 23    | Deactivation of BI                                                                                                        |
| C_DeactBOICExHC                    | INTEGER     | 24    | Deactivation of BOICExHC                                                                                                  |
| C_NotifyBI                         | INTEGER     | 25    | Notify of BI                                                                                                              |
| C_InterrogBOIC                     | INTEGER     | 26    | Interrogation of BOIC                                                                                                     |
| C_InterrogBOICExHC                 | INTEGER     | 27    | Interrogation of BOICExHC                                                                                                 |
| C_Full                             | IA5String   | "F"   | full rate channel                                                                                                         |
| C_Half                             | IA5String   | "H"   | half rate channel                                                                                                         |
| C_StartingTimeHO                   | INTEGER     | 238   | Value for Starting time (1.1sec=238 frames) for HO testcase TC_26_6_5_1_3, TC_26_6_5_1_6, TC_26_6_5_4_2                   |
| C_Norm                             | OCTETSTRING | '00'O | Establish mode: normal                                                                                                    |
| maxAddressLength                   | Asn1Integer | 20    |                                                                                                                           |
| maxISDN_AddressLength              | Asn1Integer | 9     |                                                                                                                           |
| maxISDN_SubaddressLength           | Asn1Integer | 21    |                                                                                                                           |
| maxNumOfBasicServiceGroups         | Asn1Integer | 13    |                                                                                                                           |
| maxNumOfCUG                        | Asn1Integer | 10    |                                                                                                                           |
| maxNumberOfSegmentsPerDataInterval | Asn1Integer | 8191  |                                                                                                                           |
| maxSignalInfoLength                | Asn1Integer | 200   |                                                                                                                           |
| maxUSSD_StringLength               | Asn1Integer | 160   |                                                                                                                           |
| max10TimesIncrement                | Asn1Integer | 8191  |                                                                                                                           |
| max10TimesIncrementPerDataInterval | Asn1Integer | 8191  |                                                                                                                           |
| max10TimesInitialTime              | Asn1Integer | 8191  |                                                                                                                           |
| max100TimesScalingFactor           | Asn1Integer | 8191  |                                                                                                                           |
| max10TimesTimeInterval             | Asn1Integer | 8191  |                                                                                                                           |
| max10TimesUnitsPerTime             | Asn1Integer | 8191  |                                                                                                                           |
| <b>Detailed Comments:</b>          |             |       |                                                                                                                           |

## Test case variable declarations

| Test Case Variable Declarations |               |         |                                                               |
|---------------------------------|---------------|---------|---------------------------------------------------------------|
| Variable Name                   | Type          | Value   | Comments                                                      |
| TCV_AssCmd                      | ASS_CMD_PDU   |         | to hold ASSIGNMENT<br>COMMAND PDU                             |
| TCV_Att                         | BITSTRING     |         | to hold ATT bitstring                                         |
| TCV_Bcap1                       | BCAP          |         | to hold bearer capability                                     |
| TCV_Bcap2                       | BCAP          |         | to hold bearer capability                                     |
| TCV_bs_ag_blks_res              | INTEGER       |         |                                                               |
| TCV_bs_cc_chans                 | INTEGER       |         |                                                               |
| TCV_bs_pa_mfrms                 | INTEGER       |         |                                                               |
| TCV_CalledNum                   | CDPN          |         | to hold called party number                                   |
| TCV_CallProc                    | CALL_PROC_PDU |         | to hold CALL PROCEEDING PDU                                   |
| TCV_CallCfm                     | CALL_CO_PDU   |         | to hold CALL CONFIRM PDU                                      |
| TCV_Cau                         | CAU           |         | to hold cause                                                 |
| TCV_Cau0                        | CAU           |         | to hold cause                                                 |
| TCV_CA                          | CCHD          |         |                                                               |
| TCV_Ccchg                       | INTEGER       |         | CCCH_GROUP                                                    |
| TCV_Ccd                         | CCD           |         | to hold control channel description<br>IE                     |
| TCV_Ccd0A                       | CCD           |         | a copy of control channel<br>description in use for cell A    |
| TCV_Ccd0B                       | CCD           |         | a copy of control channel<br>description in use for cell B    |
| TCV_Ccd0C                       | CCD           |         | a copy of control channel<br>description in use for cell C    |
| TCV_Ccd0D                       | CCD           |         | a copy of control channel<br>description in use for cell D    |
| TCV_Ccd0E                       | CCD           |         | a copy of control channel<br>description in use for cell E    |
| TCV_Ccd0F                       | CCD           |         | a copy of control channel<br>description in use for cell F    |
| TCV_Ccd0G                       | CCD           |         | a copy of control channel<br>description in use for cell G    |
| TCV_Ccd0H                       | CCD           |         | a copy of control channel<br>description in use for cell H    |
| TCV_cchdescr                    | OCTETSTRING   |         | Frequency list of Cell Channel<br>Descr, used in EGSM         |
| TCV_CCst                        | CST           |         | to hold call status                                           |
| TCV_ch                          | LOGICCH       | "dummy" | to hold logic channel                                         |
| TCV_ch1                         | LOGICCH       | "dummy" | to hold logic channel                                         |
| TCV_sacch                       | LOGICCH       | "dummy" | to hold logic channel                                         |
| TCV_sacch_B                     | LOGICCH       | "dummy" | to hold logic channel                                         |
| TCV_sacch_C                     | LOGICCH       | "dummy" | to hold logic channel                                         |
| TCV_sacch_D                     | LOGICCH       | "dummy" | to hold logic channel                                         |
| TCV_sacch_E                     | LOGICCH       | "dummy" | to hold logic channel                                         |
| TCV_sacch_F                     | LOGICCH       | "dummy" | to hold logic channel                                         |
| TCV_sacch_G                     | LOGICCH       | "dummy" | to hold logic channel                                         |
| TCV_sacch_H                     | LOGICCH       | "dummy" | to hold logic channel                                         |
| TCV_sacch8                      | LOGICCH       | "dummy" | to hold logic channel                                         |
| TCV_sacchTch                    | LOGICCH       | "dummy" | to hold logic channel                                         |
| TCV_sacchTch1                   | LOGICCH       | "dummy" | to hold logic channel                                         |
| TCV_sacchTch_B                  | LOGICCH       | "dummy" | to hold logic channel                                         |
| TCV_sacchTch_H                  | LOGICCH       | "dummy" | to hold logic channel                                         |
| TCV_chTch                       | LOGICCH       | "dummy" | to hold logic channel                                         |
| TCV_chTch1                      | LOGICCH       | "dummy" | to hold logic channel                                         |
| TCV_chSms                       | LOGICCH       | "dummy" | to hold logic channel                                         |
| TCV_cellid                      | CellID        |         | to hold the cell identifier                                   |
| TCV_agch                        | LOGICCH       | "dummy" | downlink access grant channel<br>corresponding to a DTMF tone |
| TCV_Char                        | IA5String     |         | to hold the IA5 char.                                         |
| TCV_chd1                        | CHD           |         | to hold channel description IE                                |
| TCV_ChMod                       | CHMOD         |         | to hold channel mode IE                                       |
| TCV_ChModb                      | CHMOD         |         | to hold channel mode IE for<br>second mode in dual mode       |

|                     |             |         |                                                                                          |
|---------------------|-------------|---------|------------------------------------------------------------------------------------------|
| TCV_cht1            | BITSTRING   |         | services                                                                                 |
| TCV_ctype           | BITSTRING   |         | to channel type and TDMA offset in channel description IE                                |
| TCV_cksn            | BITSTRING   |         | to channel type and TDMA offset in channel description IE                                |
| TCV_cksn1           | BITSTRING   |         | to hold the CKSN.                                                                        |
| TCV_Cnt             | INTEGER     |         | to hold the CKSN.                                                                        |
| TCV_Cnt1            | INTEGER     |         | general loop counter                                                                     |
| TCV_Cnt2            | INTEGER     |         | general loop counter                                                                     |
| TCV_Cntstart        | BOOLEAN     |         | general loop counter                                                                     |
| TCV_Cntstart1       | BOOLEAN     |         | general loop counter start decision                                                      |
| TCV_Cntref          | INTEGER     |         | general loop counter start decision                                                      |
| TCV_CphAlg          | BITSTRING   |         | Reference for general loop counter                                                       |
| TCV_CphKey          | BITSTRING   |         | counter                                                                                  |
| TCV_CphMd           | CPHMS       |         | ciphering algorithm                                                                      |
| TCV_CPDDataRetx     | INTEGER     |         | ciphering key                                                                            |
| TCV_ChRate          | IA5String   |         | ciphering mode setting                                                                   |
| TCV_counter_c       | INTEGER     |         | Number of CP Data retransmissions for SMS                                                |
| TCV_counter_k       | INTEGER     |         | channel rate                                                                             |
| TCV_Fk              | INTEGER     |         | loop counter c                                                                           |
| TCV_flist           | OCTETSTRING |         | loop counter k                                                                           |
| TCV_flistl          | OCTETSTRING |         | to hold an interval between events                                                       |
| TCV_Fn              | FN          |         | Frequency List, used in EGSM for IE "frequency list" or "frequency short list"           |
| TCV_Fn1             | FN          |         | Length of Frequency List, used in EGSM for IE "frequency list" or "frequency short list" |
| TCV_FnAss           | FN          |         | to hold the frame number (T1', T2, T3)                                                   |
| TCV_FollowingOctets | OCTETSTRING |         | to hold the frame number (T1', T2, T3)                                                   |
| TCV_Horf            | HORF        |         | to hold the frame number in AssCmd statement                                             |
| TCV_Hrf             | HORF        |         | Contains the octets following the invoke id                                              |
| TCV_ImmConn         | BOOLEAN     |         | Variable for HO reference in HO-Messages of HO cases.                                    |
| TCV_kcnt            | INTEGER     |         | to hold handover reference                                                               |
| TCV_K               | INTEGER     |         | The selected MT service supports immediate connect                                       |
| TCV_L1Head0         | L1HD        |         | loop counter                                                                             |
| TCV_L1Head          | L1HD        |         | to hold L 1 header                                                                       |
| TCV_lac             | OCTETSTRING |         | to hold L 1 header                                                                       |
| TCV_n               | INTEGER     |         | to hold the lac. 2 octets                                                                |
| TCV_Neci            | BITSTRING   |         |                                                                                          |
| TCV_M               | INTEGER     |         | counter                                                                                  |
| TCV_mae1            | BITSTRING   |         | Mobile Allocation in EGSM. It includes the 1.octet of MA                                 |
| TCV_mae2            | BITSTRING   |         | Mobile Allocation in EGSM. It includes the 2.octet of MA                                 |
| TCV_Max             | BITSTRING   |         | to hold Max-retrans bitstring                                                            |
| TCV_MaxRetrans      | INTEGER     |         | to hold Max_Retrans chosen randomly                                                      |
| TCV_MemCapExcd      | BOOLEAN     |         | RP error Memory Capacity Exceeded was sent                                               |
| TCV_MsrRes          | MSRR        |         | to hold measurement results                                                              |
| TCV_Mt              | BITSTRING   |         | to hold message type                                                                     |
| TCV_Mt1             | BITSTRING   |         | to hold message type                                                                     |
| TCV_Modify          | MODIFY_PDU  |         | To hold Modify message                                                                   |
| TCV_Null            | BOOLEAN     |         | to collect useless result from some test suite operations                                |
| TCV_PgCh            | LOGICCH     | "dummy" | logical channel for paging                                                               |

|                     |                 |                                                                           |
|---------------------|-----------------|---------------------------------------------------------------------------|
| TCV_Pgg             | PGG             | paging group                                                              |
| TCV_PreviousOctets  | OCTETSTRING     | Contains the octets previous to the invoke id                             |
| TCV_ProtErrorUnspec | BOOLEAN         | RP error Protocol Error Unspecified was sent                              |
| TCV_Pwrlvl          | BITSTRING       | to hold the power level                                                   |
| TCV_Pwrlvl_ho       | BITSTRING       | power level for HO_CMD, used in HO cases.                                 |
| TCV_Rchr            | BITSTRING       | to hold Radio channel requirement                                         |
| TCV_Res             | BOOLEAN         | to hold the result of a test suite operation                              |
| TCV_Rpmr            | MR              | RP message reference for SMS                                              |
| TCV_Rqr             | RQR             | to hold the request reference                                             |
| TCV_Rqr9            | RQR             | to hold the request reference differing from TCV_Rqr                      |
| TCV_Rqr10           | RQR             | to hold the request reference differing from TCV_Rqr, TCV_Rqr9            |
| TCV_Rqr11           | RQR             | to hold the request reference differing from TCV_Rqr, TCV_Rqr9, TCV_Rqr10 |
| TCV_Rr              | BITSTRING       | to hold the random request reference                                      |
| TCV_Rr1             | BITSTRING       | to hold the random reference                                              |
| TCV_Service         | IA5String       | to hold basicservice selected                                             |
| TCV_Setup_mo        | SETUP_MO_PDU    | to hold the SETUP PDU (MO)                                                |
| TCV_Setup_mt        | SETUP_MT_PDU    | to hold the SETUP PDU (MT)                                                |
| TCV_Esetup          | ESETUP_PDU      | to hold the emergency SETUP PDU                                           |
| TCV_slot            | SN              | To hold the default slot used during the entire TC.                       |
| TCV_slt2            | SN              | To hold a second working slot number.                                     |
| TCV_Sres            | OCTETSTRING     | to hold the SRES returned                                                 |
| TCV_sysinfo5        | SYSINFO5_PDU    | to hold the SysInfo5 PDU for cell A                                       |
| TCV_sysinfo5bis     | SYSINFO5bis_PDU | to hold the SysInfo5bis PDU for cell A                                    |
| TCV_sysinfo5_B      | SYSINFO5_PDU    | to hold the SysInfo5 PDU for cell B                                       |
| TCV_sysinfo5_C      | SYSINFO5_PDU    | to hold the SysInfo5 PDU for cell c                                       |
| TCV_sysinfo5_D      | SYSINFO5_PDU    | to hold the SysInfo5 PDU for cell D                                       |
| TCV_sysinfo5_E      | SYSINFO5_PDU    | to hold the SysInfo5 PDU for cell E                                       |
| TCV_sysinfo5_F      | SYSINFO5_PDU    | to hold the SysInfo5 PDU for cell F                                       |
| TCV_sysinfo5_G      | SYSINFO5_PDU    | to hold the SysInfo5 PDU for cell G                                       |
| TCV_sysinfo5_H      | SYSINFO5_PDU    | to hold the SysInfo5 PDU for cell H                                       |
| TCV_sysinfo6        | SYSINFO6_PDU    | to hold the SysInfo6 PDU for cell A                                       |
| TCV_sysinfo6_B      | SYSINFO6_PDU    | to hold the SysInfo6 PDU for cell B                                       |
| TCV_sysinfo6_C      | SYSINFO6_PDU    | to hold the SysInfo6 PDU for cell C                                       |
| TCV_sysinfo6_D      | SYSINFO6_PDU    | to hold the SysInfo6 PDU for cell D                                       |
| TCV_sysinfo6_E      | SYSINFO6_PDU    | to hold the SysInfo6 PDU for cell E                                       |
| TCV_sysinfo6_F      | SYSINFO6_PDU    | to hold the SysInfo6 PDU for cell F                                       |
| TCV_sysinfo6_G      | SYSINFO6_PDU    | to hold the SysInfo6 PDU for cell G                                       |
| TCV_sysinfo6_H      | SYSINFO6_PDU    | to hold the SysInfo6 PDU for cell H                                       |
| TCV_ti_orig         | TI              | to hold the transaction id. for                                           |

|                   |             |         |                                                                  |
|-------------------|-------------|---------|------------------------------------------------------------------|
| TCV_ti_dest       | TI          |         | originating part                                                 |
| TCV_ti_v          | TI_V        |         | to hold the transaction id. for the destination part             |
| TCV_ti_v_2        | TI_V        |         | to hold the transaction id. value for another transaction        |
| TCV_ti_f          | BITSTRING   |         | to hold the transaction id. flag. Only one bit.                  |
| TCV_timeout       | BOOLEAN     |         |                                                                  |
| TCV_T             | INTEGER     |         | to hold Tx-integer chosen randomly                               |
| TCV_chdescr_arfcn | INTEGER     |         | ARFCN carrier of actual cell.                                    |
| TCV_asscmd_ts     | BITSTRING   |         | Time slot for channel description in assignment cmd.             |
| TCV_ts            | BITSTRING   |         | Time slot for channel description in handover cmd.               |
| TCV_ia_ts         | BITSTRING   |         | Time slot for channel description in immediate assignment        |
| TCV_tchcarrier    | INTEGER     |         | TCH carrier of actual cell.                                      |
| TCV_tsc           | TSC         |         | To hold the default training sequence used during the entire TC. |
| TCV_Td            | OCTETSTRING |         | to hold timing difference                                        |
| TCV_Time          | INTEGER     |         | to hold the measured value of T310 or T305 or T308               |
| TCV_TimingAdv     | TA          |         | To hold multiple TimingAdv used in one TC                        |
| TCV_TimingAdviei  | TA          |         | To hold multiple TimingAdv wit iei value used in one TC          |
| TCV_TI            | TI          |         | to hold the transaction ID for MO calls in sending evets         |
| TCV_TI0           | TI          |         | to hold the transaction ID for MO calls in receiving evets       |
| TCV_TI1           | TI          |         | to hold the transaction ID                                       |
| TCV_TI2           | TI          |         | to hold the transaction ID                                       |
| TCV_TI3           | TI          |         | to hold the transaction ID                                       |
| TCV_tmp           | INTEGER     |         | temporary integer variable                                       |
| TCV_Tx            | BITSTRING   |         | to hold Tx bitstring                                             |
| TCV_S             | INTEGER     |         | to hold the S parameter                                          |
| TCV_Upd           | BOOLEAN     |         | to hold the information whether the MS is updated or not,.       |
| TCV_UssdString    | IA5String   |         | String for USS Data                                              |
| TCV_UssdString1   | IA5String   |         | String for USS Data                                              |
| TCV_UssdString2   | IA5String   |         | String for USS Data                                              |
| TCV_Invkld        | OCTETSTRING |         | to hold SS transaction ID                                        |
| TCV_Invkld0       | OCTETSTRING |         | to hold SS transaction ID                                        |
| TCV_Invkld1       | OCTETSTRING |         | to hold SS transaction ID                                        |
| TCV_Comp          | Components  |         | to hold SS Components                                            |
| TCV_Strt          | STRT        |         | to hold starting time                                            |
| TCV_CBch          | LOGICCH     | "dummy" | Cell Broadcast channel                                           |
| TCV_Tpmr          | MR          |         | TP message reference                                             |
| TCV_TPOA1         | BCDN        |         | TP originating address digits                                    |
| TCV_TPOA2         | BCDN        |         | TP originating address digits                                    |
| TCV_TPDA          | BCDN        |         | TP destination address digits                                    |
| TCV_RPOA_MT       | BCDN        |         | RP originating address digits for MT short messages              |
| TCV_RPOA_MO       | BCDN        |         | RP originating address digits for MO short messages              |
| TCV_RPOA1         | BCDN        |         | RP originating address digits for MT short messages              |
| TCV_RPOA2         | BCDN        |         | RP originating address digits for MT short messages              |
| TCV_RPDA_MT       | BCDN        |         | RP destination address digits for MT short messages              |
| TCV_RPDA_MO       | BCDN        |         | RP destination address digits for MO short messages              |
| TCV_SMTtypeM      | INTEGER     |         | Replace short message type                                       |
| TCV_SMTtypeN      | INTEGER     |         | Replace short message type                                       |



|                           |         |                               |
|---------------------------|---------|-------------------------------|
| TCV_freq                  | FRQPARA | to hold Freq type constraints |
| <b>Detailed Comments:</b> |         |                               |

## PCO declarations

| PCO Declarations                                                                                                                                                                                                                                                                                                                                                                                                                     |        |      |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|----------|
| PCO Name                                                                                                                                                                                                                                                                                                                                                                                                                             | Type   | Role | Comments |
| L                                                                                                                                                                                                                                                                                                                                                                                                                                    | SAP0_3 | LT   |          |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                            |        |      |          |
| 1. The PCO consists of multiple SAPs: the SAP0 and SAP3.<br>2. The lower tester (LT) is the user of the data link layer service.<br>3. The SAP0 at the lower tester controlling and observing the exchange of CC, MM, RR and SS PDUs (messages) on the DCCH, SACCH and/or RACH, BCCH, CCCH channels.<br>4. The SAP3 at the lower tester controlling and observing the exchange of SMS PDUs (messages) on the DCCH or SACCH channels. |        |      |          |

## Timer declarations

| Timer Declarations        |                |      |                             |
|---------------------------|----------------|------|-----------------------------|
| Timer Name                | Duration       | Unit | Comments                    |
| T_dly                     |                | ms   | general purpose delay timer |
| T_dly1                    |                | ms   | general purpose delay timer |
| T_dly2                    |                | ms   | general purpose delay timer |
| T_dlyAss                  |                | ms   | AssCmd timer                |
| T_guard                   | 300            | s    | guard timer                 |
| T_release                 | C_release_time | s    | release timer               |
| <b>Detailed Comments:</b> |                |      |                             |

## ASP type definitions

### TTCN ASP Type definitions

| ASP Type Definition       |                                                                                                                                       |          |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_EstRq (DL_ESTABLISH_REQUEST)                                                                                                       |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                                |          |
| <b>Comments:</b>          | The ASP is used to request the establishment of multiple frame operation (L3 -> L2). The normal establishment procedure is initiated. |          |
| Parameter Name            | Parameter Type                                                                                                                        | Comments |
| sapi                      | SAPID                                                                                                                                 |          |
| logic_ch                  | LOGICCH                                                                                                                               |          |
| establish_mode            | EstMode                                                                                                                               |          |
| <b>Detailed Comments:</b> |                                                                                                                                       |          |

| ASP Type Definition       |                                                                                                                                              |          |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_EstIn (DL_ESTABLISH_INDICATION)                                                                                                           |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                                       |          |
| <b>Comments:</b>          | The ASP is used to indicate the establishment of multiple frame operation (L2 -> L3). The normal establishment procedure has been initiated. |          |
| Parameter Name            | Parameter Type                                                                                                                               | Comments |
| sapi                      | SAPID                                                                                                                                        |          |
| logic_ch                  | LOGICCH                                                                                                                                      |          |
| establish_mode            | EstMode                                                                                                                                      |          |
| fn                        | FN                                                                                                                                           |          |
| <b>Detailed Comments:</b> |                                                                                                                                              |          |

| ASP Type Definition       |                                                                                                                                                                                                                     |          |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_EstInCmsRq (DL_ESTABLISH_INDICATION_CM_SERVICE_REQUEST)                                                                                                                                                          |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                                                                                                              |          |
| <b>Comments:</b>          | The ASP is used to indicate the establishment of multiple frame operation due to the receipt of the MM CM SERVICE REQUEST message (L2 -> L3). The contention resolution establishment procedure has been initiated. |          |
| Parameter Name            | Parameter Type                                                                                                                                                                                                      | Comments |
| sapi                      | SAPID                                                                                                                                                                                                               |          |
| logic_ch                  | LOGICCH                                                                                                                                                                                                             |          |
| establish_mode            | EstMode                                                                                                                                                                                                             |          |
| msg                       | CMS_RQ_PDU                                                                                                                                                                                                          |          |
| fn                        | FN                                                                                                                                                                                                                  |          |
| <b>Detailed Comments:</b> |                                                                                                                                                                                                                     |          |

| ASP Type Definition       |                                                                                                                                                                                                                            |          |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_EstInLupRq (DL_ESTABLISH_INDICATION_LOCATION_UPDATING_REQUEST)                                                                                                                                                          |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                                                                                                                     |          |
| <b>Comments:</b>          | The ASP is used to indicate the establishment of multiple frame operation due to the receipt of the MM LOCATION UPDATING REQUEST message (L2 -> L3). The contention resolution establishment procedure has been initiated. |          |
| Parameter Name            | Parameter Type                                                                                                                                                                                                             | Comments |
| sapi                      | SAPID                                                                                                                                                                                                                      |          |
| logic_ch                  | LOGICCH                                                                                                                                                                                                                    |          |
| establish_mode            | EstMode                                                                                                                                                                                                                    |          |
| msg                       | LUP_RQ_PDU                                                                                                                                                                                                                 |          |
| fn                        | FN                                                                                                                                                                                                                         |          |
| <b>Detailed Comments:</b> |                                                                                                                                                                                                                            |          |

| ASP Type Definition       |                                                                                                                                                                                                                         |          |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_EstInImsidIn (DL_ESTABLISH_INDICATION_IMSI_DETACH_INDICATION)                                                                                                                                                        |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                                                                                                                  |          |
| <b>Comments:</b>          | The ASP is used to indicate the establishment of multiple frame operation due to the receipt of the MM IMSI DETACH INDICATION message (L2 -> L3). The contention resolution establishment procedure has been initiated. |          |
| Parameter Name            | Parameter Type                                                                                                                                                                                                          | Comments |
| sapi                      | SAPID                                                                                                                                                                                                                   |          |
| logic_ch                  | LOGICCH                                                                                                                                                                                                                 |          |
| establish_mode            | EstMode                                                                                                                                                                                                                 |          |
| msg                       | IMSID_IN_PDU                                                                                                                                                                                                            |          |
| fn                        | FN                                                                                                                                                                                                                      |          |
| <b>Detailed Comments:</b> |                                                                                                                                                                                                                         |          |

| ASP Type Definition       |                                                                                                                                                                                                                  |          |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_EstInPgRes (DL_ESTABLISH_INDICATION_PAGING_RESPONSE)                                                                                                                                                          |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                                                                                                           |          |
| <b>Comments:</b>          | The ASP is used to indicate the establishment of multiple frame operation due to the receipt of the RR PAGING RESPONSE message (L2 -> L3). The contention resolution establishment procedure has been initiated. |          |
| Parameter Name            | Parameter Type                                                                                                                                                                                                   | Comments |
| sapi                      | SAPID                                                                                                                                                                                                            |          |
| logic_ch                  | LOGICCH                                                                                                                                                                                                          |          |
| establish_mode            | EstMode                                                                                                                                                                                                          |          |
| msg                       | PG_RES_PDU                                                                                                                                                                                                       |          |
| fn                        | FN                                                                                                                                                                                                               |          |
| <b>Detailed Comments:</b> |                                                                                                                                                                                                                  |          |

| ASP Type Definition       |                                                                                                                                                                                                                             |          |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_EstInCmreRq (DL_ESTABLISH_INDICATION_CM_REESTABLISHMENT_REQUEST)                                                                                                                                                         |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                                                                                                                      |          |
| <b>Comments:</b>          | The ASP is used to indicate the establishment of multiple frame operation due to the receipt of the MM CM REESTABLISHMENT REQUEST message (L2 -> L3). The contention resolution establishment procedure has been initiated. |          |
| Parameter Name            | Parameter Type                                                                                                                                                                                                              | Comments |
| sapi                      | SAPID                                                                                                                                                                                                                       |          |
| logic_ch                  | LOGICCH                                                                                                                                                                                                                     |          |
| establish_mode            | EstMode                                                                                                                                                                                                                     |          |
| msg                       | CMRE_RQ_PDU                                                                                                                                                                                                                 |          |
| fn                        | FN                                                                                                                                                                                                                          |          |
| <b>Detailed Comments:</b> |                                                                                                                                                                                                                             |          |

| ASP Type Definition       |                                                                                                       |          |
|---------------------------|-------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_EstCo (DL_ESTABLISH_CONFIRM)                                                                       |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                |          |
| <b>Comments:</b>          | The ASP is used by the L2 to inform the L3 about the establishment of multiple frame link (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                        | Comments |
| sapi                      | SAPID                                                                                                 |          |
| logic_ch                  | LOGICCH                                                                                               |          |
| establish_mode            | EstMode                                                                                               |          |
| <b>Detailed Comments:</b> |                                                                                                       |          |

| ASP Type Definition       |                                                                                                                                                       |          |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_RelIn (DL_RELEASE_INDICATION)                                                                                                                      |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                                                |          |
| <b>Comments:</b>          | The ASP is used to indicate the termination of an established multiple frame operation or to report an unsuccessful establishment attempt (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                                                                        | Comments |
| sapi                      | SAPID                                                                                                                                                 |          |
| logic_ch                  | LOGICCH                                                                                                                                               |          |
| release_mode              | RelMode                                                                                                                                               |          |
| outstanding_indicator     | BOOLEAN                                                                                                                                               |          |
| fn                        | FN                                                                                                                                                    |          |
| <b>Detailed Comments:</b> | The outstanding indicator indicates whether or not there are outstanding acknowledgements or unsolved DL_DATA_REQUEST primitives.                     |          |

| ASP Type Definition       |                                                                                      |          |
|---------------------------|--------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_RacInChRq (DL_RANDOM_ACCESS_INDICATION_CHANNEL_REQUEST)                           |          |
| <b>PCO Type:</b>          | SAP0_3                                                                               |          |
| <b>Comments:</b>          | The ASP is used to indicate the arrival of an RR CHANNEL REQUEST message (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                       | Comments |
| sapi                      | SAPID                                                                                |          |
| logic_ch                  | LOGICCH                                                                              |          |
| fn                        | FN                                                                                   |          |
| msg                       | CH_RQ_PDU                                                                            |          |
| <b>Detailed Comments:</b> |                                                                                      |          |

| ASP Type Definition       |                                                                                      |          |
|---------------------------|--------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_RaInHoacc (DL_RADOM_ACCESS_INDICATION_HANDOVER_ACCESS)                            |          |
| <b>PCO Type:</b>          | SAP0_3                                                                               |          |
| <b>Comments:</b>          | The ASP is used to indicate the arrival of an RR HANDOVER ACCESS message (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                       | Comments |
| sapi                      | SAPID                                                                                |          |
| logic_ch                  | LOGICCH                                                                              |          |
| msg                       | HOACC_PDU                                                                            |          |
| fn                        | FN                                                                                   |          |
| <b>Detailed Comments:</b> |                                                                                      |          |

| ASP Type Definition       |                                                                                                                               |          |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_UdatRqImmass (DL_UNIT_DATA_REQUEST_IMMEDIATE_ASSIGNMENT)                                                                   |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                        |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the RR IMMEDIATE ASSIGNMENT message using unacknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                                | Comments |
| sapi                      | SAPID                                                                                                                         |          |
| logic_ch                  | LOGICCH                                                                                                                       |          |
| msg                       | IMMASS_PDU                                                                                                                    |          |
| <b>Detailed Comments:</b> |                                                                                                                               |          |

| ASP Type Definition       |                                                                                                                                        |          |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_UdatRqImmassx (DL_UNIT_DATA_REQUEST_IMMEDIATE_ASSIGNMENT_EXTENDED)                                                                  |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                                 |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the RR IMMEDIATE ASSIGNMENT EXTENDED message using unacknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                                         | Comments |
| sapi                      | SAPID                                                                                                                                  |          |
| logic_ch                  | LOGICCH                                                                                                                                |          |
| msg                       | IMMASSX_PDU                                                                                                                            |          |
| <b>Detailed Comments:</b> |                                                                                                                                        |          |

| ASP Type Definition       |                                                                                                                                      |          |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_UdatRqImmassRej (DL_UNIT_DATA_REQUEST_IMMEDIATE_ASSIGNMENT_REJECT)                                                                |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                               |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the RR IMMEDIATE ASSIGNMENT REJECT message using unacknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                                       | Comments |
| sapi                      | SAPID                                                                                                                                |          |
| logic_ch                  | LOGICCH                                                                                                                              |          |
| msg                       | IMMASS_REJ_PDU                                                                                                                       |          |
| <b>Detailed Comments:</b> |                                                                                                                                      |          |

| ASP Type Definition                                                              |                                                                                                                         |          |
|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>                                                                 | DL_UdatInMsrRpt (DL_DATA_INDICATION_MEASUREMENT_REPORT)                                                                 |          |
| <b>PCO Type:</b>                                                                 | SAP0_3                                                                                                                  |          |
| <b>Comments:</b>                                                                 | The ASP is used to indicate the receipt of the RR MEASUREMENT REPORT message using unacknowledged operation (L2 -> L3). |          |
| Parameter Name                                                                   | Parameter Type                                                                                                          | Comments |
| sapi                                                                             | SAPID                                                                                                                   |          |
| logic_ch                                                                         | LOGICCH                                                                                                                 |          |
| msg                                                                              | MSR_RPT_PDU                                                                                                             |          |
| fn                                                                               | FN                                                                                                                      |          |
| <b>Detailed Comments:</b> The ASPs are continuously received during the testing. |                                                                                                                         |          |

| ASP Type Definition       |                                                                                                          |          |
|---------------------------|----------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_UdatRqSMSCBData (DL_UNIT_DATA_REQUEST_SMSCB_DATA)                                                     |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                   |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the SMSCB data using unacknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                           | Comments |
| sapi                      | SAPID                                                                                                    |          |
| logic_ch                  | LOGICCH                                                                                                  |          |
| msg                       | SMSCB_PDU                                                                                                |          |
| <b>Detailed Comments:</b> |                                                                                                          |          |

| ASP Type Definition       |                                                                                                                                |          |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_UdatRqPg1Rq (DL_UNIT_DATA_REQUEST_PAGING_REQUEST_TYPE1)                                                                     |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                         |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the RR PAGING REQUEST TYPE 1 message using unacknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                                 | Comments |
| sapi                      | SAPID                                                                                                                          |          |
| logic_ch                  | LOGICCH                                                                                                                        |          |
| pgg                       | PGG                                                                                                                            |          |
| msg                       | PG1_RQ_PDU                                                                                                                     |          |
| <b>Detailed Comments:</b> |                                                                                                                                |          |

| ASP Type Definition       |                                                                                                                                |          |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_UdatRqPg2Rq (DL_UNIT_DATA_REQUEST_PAGING_REQUEST_TYPE2)                                                                     |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                         |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the RR PAGING REQUEST TYPE 2 message using unacknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                                 | Comments |
| sapi                      | SAPID                                                                                                                          |          |
| logic_ch                  | LOGICCH                                                                                                                        |          |
| pgg                       | PGG                                                                                                                            |          |
| msg                       | PG2_RQ_PDU                                                                                                                     |          |
| <b>Detailed Comments:</b> |                                                                                                                                |          |

| ASP Type Definition       |                                                                                                                                |          |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_UdatRqPg3Rq (DL_UNIT_DATA_REQUEST_PAGING_REQUEST_TYPE3)                                                                     |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                         |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the RR PAGING REQUEST TYPE 3 message using unacknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                                 | Comments |
| sapi                      | SAPID                                                                                                                          |          |
| logic_ch                  | LOGICCH                                                                                                                        |          |
| pgg                       | PGG                                                                                                                            |          |
| msg                       | PG3_RQ_PDU                                                                                                                     |          |
| <b>Detailed Comments:</b> |                                                                                                                                |          |

| ASP Type Definition       |                                                                                                                                              |          |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_UdatRqSchinfo<br>(DL_UNIT_DATA_REQUEST_SYNCHRONIZATION_CHANNEL_INFORMATION)                                                               |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                                       |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the RR SYNCHRONIZATION CHANNEL INFORMATION message using unacknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                                               | Comments |
| sapi                      | SAPID                                                                                                                                        |          |
| logic_ch                  | LOGICCH                                                                                                                                      |          |
| msg                       | SCHINFO_PDU                                                                                                                                  |          |
| <b>Detailed Comments:</b> |                                                                                                                                              |          |

| ASP Type Definition       |                                                                                                                                    |          |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_UdatRqSysinfo1 (DL_UNIT_DATA_REQUEST_SYSTEM_INFORMATION_TYPE1)                                                                  |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                             |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the RR SYSTEM INFORMATION TYPE 1 message using unacknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                                     | Comments |
| sapi                      | SAPID                                                                                                                              |          |
| logic_ch                  | LOGICCH                                                                                                                            |          |
| msg                       | SYSINFO1_PDU                                                                                                                       |          |
| <b>Detailed Comments:</b> |                                                                                                                                    |          |

| ASP Type Definition       |                                                                                                                |          |
|---------------------------|----------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_UdatRqSysinfo1_nh (DL_UNIT_DATA_REQUEST_SYSTEM_INFORMATION_TYPE1)                                           |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                         |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the RR SYSTEM INFORMATION TYPE 3 message in case of non hopping |          |
| Parameter Name            | Parameter Type                                                                                                 | Comments |
| sapi                      | SAPID                                                                                                          |          |
| logic_ch                  | LOGICCH                                                                                                        |          |
| msg                       | SYSINFO3_PDU                                                                                                   |          |
| <b>Detailed Comments:</b> |                                                                                                                |          |

| ASP Type Definition       |                                                                                                                                    |          |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_UdatRqSysinfo2 (DL_UNIT_DATA_REQUEST_SYSTEM_INFORMATION_TYPE2)                                                                  |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                             |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the RR SYSTEM INFORMATION TYPE 2 message using unacknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                                     | Comments |
| sapi                      | SAPID                                                                                                                              |          |
| logic_ch                  | LOGICCH                                                                                                                            |          |
| msg                       | SYSINFO2_PDU                                                                                                                       |          |
| <b>Detailed Comments:</b> |                                                                                                                                    |          |

| ASP Type Definition       |                                                                                                                                       |          |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_UdatRqSysinfo2bis (DL_UNIT_DATA_REQUEST_SYSTEM_INFORMATION_TYPE2bis)                                                               |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                                |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the RR SYSTEM INFORMATION TYPE 2bis message using unacknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                                        | Comments |
| sapi                      | SAPID                                                                                                                                 |          |
| logic_ch                  | LOGICCH                                                                                                                               |          |
| msg                       | SYSINFO2bis_PDU                                                                                                                       |          |
| <b>Detailed Comments:</b> |                                                                                                                                       |          |

| ASP Type Definition       |                                                                                                                                    |          |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_UdatRqSysinfo3 (DL_UNIT_DATA_REQUEST_SYSTEM_INFORMATION_TYPE3)                                                                  |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                             |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the RR SYSTEM INFORMATION TYPE 3 message using unacknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                                     | Comments |
| sapi                      | SAPID                                                                                                                              |          |
| logic_ch                  | LOGICCH                                                                                                                            |          |
| msg                       | SYSINFO3_PDU                                                                                                                       |          |
| <b>Detailed Comments:</b> |                                                                                                                                    |          |

| ASP Type Definition       |                                                                                                                                    |          |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_UdatRqSysinfo4 (DL_UNIT_DATA_REQUEST_SYSTEM_INFORMATION_TYPE4)                                                                  |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                             |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the RR SYSTEM INFORMATION TYPE 4 message using unacknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                                     | Comments |
| sapi                      | SAPID                                                                                                                              |          |
| logic_ch                  | LOGICCH                                                                                                                            |          |
| msg                       | SYSINFO4_PDU                                                                                                                       |          |
| <b>Detailed Comments:</b> |                                                                                                                                    |          |

| ASP Type Definition       |                                                                                                                                    |          |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_UdatRqSysinfo5 (DL_UNIT_DATA_REQUEST_SYSTEM_INFORMATION_TYPE5)                                                                  |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                             |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the RR SYSTEM INFORMATION TYPE 5 message using unacknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                                     | Comments |
| sapi                      | SAPID                                                                                                                              |          |
| logic_ch                  | LOGICCH                                                                                                                            |          |
| msg                       | SYSINFO5_PDU                                                                                                                       |          |
| <b>Detailed Comments:</b> |                                                                                                                                    |          |

| ASP Type Definition       |                                                                                                                                       |          |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_UdatRqSysinfo5bis (DL_UNIT_DATA_REQUEST_SYSTEM_INFORMATION_TYPE5bis)                                                               |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                                |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the RR SYSTEM INFORMATION TYPE 5bis message using unacknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                                        | Comments |
| sapi                      | SAPID                                                                                                                                 |          |
| logic_ch                  | LOGICCH                                                                                                                               |          |
| msg                       | SYSINFO5bis_PDU                                                                                                                       |          |
| <b>Detailed Comments:</b> |                                                                                                                                       |          |

| ASP Type Definition       |                                                                                                                                    |          |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_UdatRqSysinfo6 (DL_UNIT_DATA_REQUEST_SYSTEM_INFORMATION_TYPE6)                                                                  |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                             |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the RR SYSTEM INFORMATION TYPE 6 message using unacknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                                     | Comments |
| sapi                      | SAPID                                                                                                                              |          |
| logic_ch                  | LOGICCH                                                                                                                            |          |
| msg                       | SYSINFO6_PDU                                                                                                                       |          |
| <b>Detailed Comments:</b> |                                                                                                                                    |          |

| ASP Type Definition       |                                                                                                                       |          |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_UdatnCImChn (DL_UdatnINDICATION_CLASSMARK_CHANGE)                                                                  |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the RR CLASSMARK CHANGE message using unacknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                                        | Comments |
| sapi                      | SAPID                                                                                                                 |          |
| logic_ch                  | LOGICCH                                                                                                               |          |
| msg                       | CLM_CHN_PDU                                                                                                           |          |
| fn                        | FN                                                                                                                    |          |
| <b>Detailed Comments:</b> |                                                                                                                       |          |

| ASP Type Definition       |                                                                                                                           |          |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqAssCmd (DL_DATA_REQUEST_ASSIGNMENT_COMMAND)                                                                       |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                    |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the RR ASSIGNMENT COMMAND message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                            | Comments |
| sapi                      | SAPID                                                                                                                     |          |
| logic_ch                  | LOGICCH                                                                                                                   |          |
| msg                       | ASS_CMD_PDU                                                                                                               |          |
| <b>Detailed Comments:</b> |                                                                                                                           |          |

| ASP Type Definition       |                                                                                                                        |          |
|---------------------------|------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInAssCom (DL_DATA_INDICATION_ASSIGNMENT_COMPLETE)                                                                |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                 |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the RR ASSIGNMENT COMPLETE message using acknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                                         | Comments |
| sapi                      | SAPID                                                                                                                  |          |
| logic_ch                  | LOGICCH                                                                                                                |          |
| msg                       | ASS_COM_PDU                                                                                                            |          |
| fn                        | FN                                                                                                                     |          |
| <b>Detailed Comments:</b> | The ASP is a result of the ASP DL_RESUME_REQUEST of the SUT sending the ASSIGNMENT COMPLETE message.                   |          |

| ASP Type Definition       |                                                                                                                       |          |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInAssfl (DL_DATA_INDICATION_ASSIGNMENT_FAILURE)                                                                 |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the RR ASSIGNMENT FAILURE message using acknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                                        | Comments |
| sapi                      | SAPID                                                                                                                 |          |
| logic_ch                  | LOGICCH                                                                                                               |          |
| msg                       | ASSFL_PDU                                                                                                             |          |
| fn                        | FN                                                                                                                    |          |
| <b>Detailed Comments:</b> | The ASP is a result of the ASP DL_RECONNECT_REQUEST of the SUT sending the ASSIGNMENT FAILURE message.                |          |



| ASP Type Definition       |                                                                                                                            |          |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqChmmo (DL_DATA_REQUEST_CHANNEL_MODE_MODIFY)                                                                        |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                     |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the RR CHANNEL MODE MODIFY message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                             | Comments |
| sapi                      | SAPID                                                                                                                      |          |
| logic_ch                  | LOGICCH                                                                                                                    |          |
| msg                       | CHMMO_PDU                                                                                                                  |          |
| <b>Detailed Comments:</b> |                                                                                                                            |          |

| ASP Type Definition       |                                                                                                                                    |          |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInChmmoAck (DL_DATA_INDICATION_CHANNEL_MODE_MODIFY_ACKNOWLEDGE)                                                              |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                             |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the RR CHANNEL MODE MODIFY ACKNOWLEDGE message using acknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                                                     | Comments |
| sapi                      | SAPID                                                                                                                              |          |
| logic_ch                  | LOGICCH                                                                                                                            |          |
| msg                       | CHMMO_ACK_PDU                                                                                                                      |          |
| fn                        | FN                                                                                                                                 |          |
| <b>Detailed Comments:</b> |                                                                                                                                    |          |

| ASP Type Definition       |                                                                                                                        |          |
|---------------------------|------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqChRel (DL_DATA_REQUEST_CHANNEL_RELEASE)                                                                        |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                 |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the RR CHANNEL_RELEASE message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                         | Comments |
| sapi                      | SAPID                                                                                                                  |          |
| logic_ch                  | LOGICCH                                                                                                                |          |
| msg                       | CH_REL_PDU                                                                                                             |          |
| <b>Detailed Comments:</b> |                                                                                                                        |          |

| ASP Type Definition       |                                                                                                                        |          |
|---------------------------|------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqChRelErr (DL_DATA_REQUEST_CHANNEL_RELEASE_ERROR)                                                               |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                 |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the RR CHANNEL_RELEASE message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                         | Comments |
| sapi                      | SAPID                                                                                                                  |          |
| logic_ch                  | LOGICCH                                                                                                                |          |
| msg                       | CH_REL_PDU_ERR                                                                                                         |          |
| <b>Detailed Comments:</b> |                                                                                                                        |          |

| ASP Type Definition       |                                                                                                                               |          |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqCphmCmd (DL_DATA_REQUEST_CIPHERING_MODE_COMMAND)                                                                      |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                        |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the RR CIPHERING_MODE_COMMAND message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                                | Comments |
| sapi                      | SAPID                                                                                                                         |          |
| logic_ch                  | LOGICCH                                                                                                                       |          |
| msg                       | CPHM_CMD_PDU                                                                                                                  |          |
| <b>Detailed Comments:</b> |                                                                                                                               |          |

| ASP Type Definition       |                                                                                                                                       |          |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqCphmCmdErr (DL_DATA_REQUEST_CIPHERING_MODE_COMMAND_ERROR)                                                                     |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                                |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the invalid RR CIPHERING_MODE_COMMAND message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                                        | Comments |
| sapi                      | SAPID                                                                                                                                 |          |
| logic_ch                  | LOGICCH                                                                                                                               |          |
| msg                       | CPHM_CMD_PDU_ERR                                                                                                                      |          |
| <b>Detailed Comments:</b> |                                                                                                                                       |          |

| ASP Type Definition       |                                                                                                                            |          |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInCphmCom (DL_DATA_INDICATION_CIPHERING_MODE_COMPLETE)                                                               |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                     |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the RR CIPHERING MODE COMPLETE message using acknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                                             | Comments |
| sapi                      | SAPID                                                                                                                      |          |
| logic_ch                  | LOGICCH                                                                                                                    |          |
| msg                       | CPHM_COM_PDU                                                                                                               |          |
| fn                        | FN                                                                                                                         |          |
| <b>Detailed Comments:</b> |                                                                                                                            |          |

| ASP Type Definition       |                                                                                                                     |          |
|---------------------------|---------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInClmChn (DL_DAT_INDICATION_CLASSMARK_CHANGE)                                                                 |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                              |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the RR CLASSMARK CHANGE message using acknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                                      | Comments |
| sapi                      | SAPID                                                                                                               |          |
| logic_ch                  | LOGICCH                                                                                                             |          |
| msg                       | CLM_CHN_PDU                                                                                                         |          |
| fn                        | FN                                                                                                                  |          |
| <b>Detailed Comments:</b> |                                                                                                                     |          |

| ASP Type Definition       |                                                                                                                          |          |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqClmEnq (DL_DATA_REQUEST_CLASSMARK_ENQUIRY)                                                                       |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                   |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the RR CLASSMARK ENQUIRY message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                           | Comments |
| sapi                      | SAPID                                                                                                                    |          |
| logic_ch                  | LOGICCH                                                                                                                  |          |
| msg                       | CLM_ENQ_PDU                                                                                                              |          |
| <b>Detailed Comments:</b> |                                                                                                                          |          |

| ASP Type Definition       |                                                                                                                               |          |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqFrqre (DL_DATA_REQUEST_FREQUENCY_REDEFINITION)                                                                        |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                        |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the RR FREQUENCY REDEFINITION message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                                | Comments |
| sapi                      | SAPID                                                                                                                         |          |
| logic_ch                  | LOGICCH                                                                                                                       |          |
| msg                       | FRQRE_PDU                                                                                                                     |          |
| <b>Detailed Comments:</b> |                                                                                                                               |          |

| ASP Type Definition       |                                                                                                                         |          |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqHoCmd (DL_DATA_REQUEST_HANDOVER_COMMAND)                                                                        |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                  |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the RR HANDOVER COMMAND message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                          | Comments |
| sapi                      | SAPID                                                                                                                   |          |
| logic_ch                  | LOGICCH                                                                                                                 |          |
| msg                       | HO_CMD_PDU                                                                                                              |          |
| <b>Detailed Comments:</b> |                                                                                                                         |          |

| ASP Type Definition       |                                                                                                                      |          |
|---------------------------|----------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInHoCom (DL_DATA_INDICATION_HANDOVER_COMPLETE)                                                                 |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                               |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the RR HANDOVER COMPLETE message using acknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                                       | Comments |
| sapi                      | SAPID                                                                                                                |          |
| logic_ch                  | LOGICCH                                                                                                              |          |
| msg                       | HO_COM_PDU                                                                                                           |          |
| fn                        | FN                                                                                                                   |          |
| <b>Detailed Comments:</b> | The ASP is a result of the ASP DL_RESUME_REQUEST of the SUT sending the HANDOVER COMPLETE message.                   |          |

| ASP Type Definition       |                                                                                                                     |          |
|---------------------------|---------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInHofl (DL_DATA_INDICATION_HANDOVER_FAILURE)                                                                  |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                              |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the RR HANDOVER FAILURE message using acknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                                      | Comments |
| sapi                      | SAPID                                                                                                               |          |
| logic_ch                  | LOGICCH                                                                                                             |          |
| msg                       | HOFL_PDU                                                                                                            |          |
| fn                        | FN                                                                                                                  |          |
| <b>Detailed Comments:</b> | The ASP is a result of the ASP DL_RECONNECT_REQUEST of the SUT sending the HANDOVER FAILURE message.                |          |

| ASP Type Definition       |                                                                                                                             |          |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqPhyinfo (DL_DATA_REQUEST_PHYSICAL_INFORMATION)                                                                      |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                      |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the RR PHYSICAL INFORMATION message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                              | Comments |
| sapi                      | SAPID                                                                                                                       |          |
| logic_ch                  | LOGICCH                                                                                                                     |          |
| msg                       | PHYINFO_PDU                                                                                                                 |          |
| <b>Detailed Comments:</b> |                                                                                                                             |          |

| ASP Type Definition       |                                                                                                           |          |
|---------------------------|-----------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInRst (DL_DATA_INDICATION_RR_STATUS)                                                                |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                    |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the RR STATUS message using acknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                            | Comments |
| sapi                      | SAPID                                                                                                     |          |
| logic_ch                  | LOGICCH                                                                                                   |          |
| msg                       | RRST_PDU                                                                                                  |          |
| fn                        | FN                                                                                                        |          |
| <b>Detailed Comments:</b> |                                                                                                           |          |

| ASP Type Definition       |                                                                                                                              |          |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqAuthRej (DL_DATA_REQUEST_AUTHENTICATION_REJECT)                                                                      |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                       |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the MM AUTHENTICATION REJECT message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                               | Comments |
| sapi                      | SAPID                                                                                                                        |          |
| logic_ch                  | LOGICCH                                                                                                                      |          |
| msg                       | AUTH_REJ_PDU                                                                                                                 |          |
| <b>Detailed Comments:</b> |                                                                                                                              |          |

| ASP Type Definition       |                                                                                                                               |          |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqAuthRq (DL_DATA_REQUEST_AUTHENTICATION_REQUEST)                                                                       |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                        |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the MM AUTHENTICATION REQUEST message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                                | Comments |
| sapi                      | SAPID                                                                                                                         |          |
| logic_ch                  | LOGICCH                                                                                                                       |          |
| msg                       | AUTH_RQ_PDU                                                                                                                   |          |
| <b>Detailed Comments:</b> |                                                                                                                               |          |

| ASP Type Definition       |                                                                                                                            |          |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInAuthRes (DL_DATA_INDICATION_AUTHENTICATION_RESPONSE)                                                               |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                     |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the MM AUTHENTICATION RESPONSE message using acknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                                             | Comments |
| sapi                      | SAPID                                                                                                                      |          |
| logic_ch                  | LOGICCH                                                                                                                    |          |
| msg                       | AUTH_RES_PDU                                                                                                               |          |
| fn                        | FN                                                                                                                         |          |
| <b>Detailed Comments:</b> |                                                                                                                            |          |

| ASP Type Definition       |                                                                                                                          |          |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqCmsAcp (DL_DATA_REQUEST_CM_SERVICE_ACCEPT)                                                                       |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                   |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the MM CM SERVICE ACCEPT message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                           | Comments |
| sapi                      | SAPID                                                                                                                    |          |
| logic_ch                  | LOGICCH                                                                                                                  |          |
| msg                       | CMS_ACP_PDU                                                                                                              |          |
| <b>Detailed Comments:</b> |                                                                                                                          |          |

| ASP Type Definition       |                                                                                                                          |          |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqCmsRej (DL_DATA_REQUEST_CM_SERVICE_REJECT)                                                                       |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                   |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the MM CM SERVICE REJECT message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                           | Comments |
| sapi                      | SAPID                                                                                                                    |          |
| logic_ch                  | LOGICCH                                                                                                                  |          |
| msg                       | CMS_REJ_PDU                                                                                                              |          |
| <b>Detailed Comments:</b> |                                                                                                                          |          |

| ASP Type Definition       |                                                                                                              |          |
|---------------------------|--------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqAbrt (DL_DATA_REQUEST_ABORT)                                                                         |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                       |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the MM ABORT message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                               | Comments |
| sapi                      | SAPID                                                                                                        |          |
| logic_ch                  | LOGICCH                                                                                                      |          |
| msg                       | ABRT_PDU                                                                                                     |          |
| <b>Detailed Comments:</b> |                                                                                                              |          |

| ASP Type Definition       |                                                                                                                         |          |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqdRq (DL_DATA_REQUEST_IDENTITY_REQUEST)                                                                          |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                  |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the MM IDENTITY REQUEST message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                          | Comments |
| sapi                      | SAPID                                                                                                                   |          |
| logic_ch                  | LOGICCH                                                                                                                 |          |
| msg                       | ID_RQ_PDU                                                                                                               |          |
| <b>Detailed Comments:</b> |                                                                                                                         |          |

| ASP Type Definition       |                                                                                                                      |          |
|---------------------------|----------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInIdRes (DL_DATA_INDICATION_IDENTIFY_RESPONSE)                                                                 |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                               |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the MM IDENTITY RESPONSE message using acknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                                       | Comments |
| sapi                      | SAPID                                                                                                                |          |
| logic_ch                  | LOGICCH                                                                                                              |          |
| msg                       | ID_RES_PDU                                                                                                           |          |
| fn                        | FN                                                                                                                   |          |
| <b>Detailed Comments:</b> |                                                                                                                      |          |

| ASP Type Definition       |                                                                                                                                 |          |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqLupAcp (DL_DATA_REQUEST_LOCATION_UPDATING_ACCEPT)                                                                       |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                          |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the MM LOCATION UPDATING ACCEPT message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                                  | Comments |
| sapi                      | SAPID                                                                                                                           |          |
| logic_ch                  | LOGICCH                                                                                                                         |          |
| msg                       | LUP_ACP_PDU                                                                                                                     |          |
| <b>Detailed Comments:</b> |                                                                                                                                 |          |

| ASP Type Definition       |                                                                                                                                 |          |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqLupAcpErr (DL_DATA_REQUEST_LOCATION_UPDATING_ACCEPT_ERR)                                                                |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                          |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the MM LOCATION UPDATING ACCEPT message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                                  | Comments |
| sapi                      | SAPID                                                                                                                           |          |
| logic_ch                  | LOGICCH                                                                                                                         |          |
| msg                       | LUP_ACP_PDU_ERR                                                                                                                 |          |
| <b>Detailed Comments:</b> |                                                                                                                                 |          |

| ASP Type Definition       |                                                                                                                                 |          |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqLupRej (DL_DATA_REQUEST_LOCATION_UPDATING_REJECT)                                                                       |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                          |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the MM LOCATION UPDATING REJECT message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                                  | Comments |
| sapi                      | SAPID                                                                                                                           |          |
| logic_ch                  | LOGICCH                                                                                                                         |          |
| msg                       | LUP_REJ_PDU                                                                                                                     |          |
| <b>Detailed Comments:</b> |                                                                                                                                 |          |

| ASP Type Definition       |                                                                                                           |          |
|---------------------------|-----------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInMmst (DL_DATA_INDICATION_MM_STATUS)                                                               |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                    |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the MM STATUS message using acknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                            | Comments |
| sapi                      | SAPID                                                                                                     |          |
| logic_ch                  | LOGICCH                                                                                                   |          |
| msg                       | MMST_PDU                                                                                                  |          |
| fn                        | FN                                                                                                        |          |
| <b>Detailed Comments:</b> |                                                                                                           |          |

| ASP Type Definition       |                                                                                                                                  |          |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqTmsireCmd (DL_DATA_REQUEST_TMSI_REALLOCATION_COMMAND)                                                                    |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                           |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the MM TMSI REALLOCATION COMMAND message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                                   | Comments |
| sapi                      | SAPID                                                                                                                            |          |
| logic_ch                  | LOGICCH                                                                                                                          |          |
| msg                       | TMSIRE_CMD_PDU                                                                                                                   |          |
| <b>Detailed Comments:</b> |                                                                                                                                  |          |

| ASP Type Definition       |                                                                                                                               |          |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInTmsireCom (DL_DATA_INDICATION_TMSI_REALLOCATION_COMPLETE)                                                             |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                        |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the MM TMSI REALLOCATION COMPLETE message using acknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                                                | Comments |
| sapi                      | SAPID                                                                                                                         |          |
| logic_ch                  | LOGICCH                                                                                                                       |          |
| msg                       | TMSIRE_COM_PDU                                                                                                                |          |
| fn                        | FN                                                                                                                            |          |
| <b>Detailed Comments:</b> |                                                                                                                               |          |

| ASP Type Definition       |                                                                                                                 |          |
|---------------------------|-----------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqAlert (DL_DATA_REQUEST_ALERTING)                                                                        |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                          |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the CC ALERTING message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                  | Comments |
| sapi                      | SAPID                                                                                                           |          |
| logic_ch                  | LOGICCH                                                                                                         |          |
| msg                       | ALERT_PDU                                                                                                       |          |
| <b>Detailed Comments:</b> |                                                                                                                 |          |

| ASP Type Definition       |                                                                                                             |          |
|---------------------------|-------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInAlert (DL_DATA_INDICATION_ALERTING)                                                                 |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                      |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the CC ALERTING message using acknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                              | Comments |
| sapi                      | SAPID                                                                                                       |          |
| logic_ch                  | LOGICCH                                                                                                     |          |
| msg                       | ALERT_PDU                                                                                                   |          |
| fn                        | FN                                                                                                          |          |
| <b>Detailed Comments:</b> |                                                                                                             |          |

| ASP Type Definition       |                                                                                                                   |          |
|---------------------------|-------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInCallCo (DL_DATA_INDICATION_CALL_CONFIRMED)                                                                |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                            |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the CC CALL CONFIRMED message using acknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                                    | Comments |
| sapi                      | SAPID                                                                                                             |          |
| logic_ch                  | LOGICCH                                                                                                           |          |
| msg                       | CALL_CO_PDU                                                                                                       |          |
| fn                        | FN                                                                                                                |          |
| <b>Detailed Comments:</b> |                                                                                                                   |          |

| ASP Type Definition       |                                                                                                                        |          |
|---------------------------|------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqCallProc (DL_DATA_REQUEST_CALL_PROCEEDING)                                                                     |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                 |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the CC CALL PROCEEDING message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                         | Comments |
| sapi                      | SAPID                                                                                                                  |          |
| logic_ch                  | LOGICCH                                                                                                                |          |
| msg                       | CALL_PROC_PDU                                                                                                          |          |
| <b>Detailed Comments:</b> |                                                                                                                        |          |

| ASP Type Definition       |                                                                                                                |          |
|---------------------------|----------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqConn (DL_DATA_REQUEST_CONNECT)                                                                         |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                         |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the CC CONNECT message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                 | Comments |
| sapi                      | SAPID                                                                                                          |          |
| logic_ch                  | LOGICCH                                                                                                        |          |
| msg                       | CONN_PDU                                                                                                       |          |
| <b>Detailed Comments:</b> |                                                                                                                |          |



| ASP Type Definition       |                                                                                                                |          |
|---------------------------|----------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqConnErr (DL_DATA_REQUEST_CONNECT_ERR)                                                                  |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                         |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the CC CONNECT message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                 | Comments |
| sapi                      | SAPID                                                                                                          |          |
| logic_ch                  | LOGICCH                                                                                                        |          |
| msg                       | CONN_PDU_ERR                                                                                                   |          |
| <b>Detailed Comments:</b> |                                                                                                                |          |

| ASP Type Definition       |                                                                                                            |          |
|---------------------------|------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInConn (DL_DATA_INDICATION_CONNECT)                                                                  |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                     |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the CC CONNECT message using acknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                             | Comments |
| sapi                      | SAPID                                                                                                      |          |
| logic_ch                  | LOGICCH                                                                                                    |          |
| msg                       | CONN_PDU                                                                                                   |          |
| fn                        | FN                                                                                                         |          |
| <b>Detailed Comments:</b> |                                                                                                            |          |

| ASP Type Definition       |                                                                                                                            |          |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqConnAck (DL_DATA_REQUEST_CONNECT_ACKNOWLEDGE)                                                                      |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                     |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the CC CONNECT ACKNOWLEDGE message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                             | Comments |
| sapi                      | SAPID                                                                                                                      |          |
| logic_ch                  | LOGICCH                                                                                                                    |          |
| msg                       | CONN_ACK_PDU                                                                                                               |          |
| <b>Detailed Comments:</b> |                                                                                                                            |          |

| ASP Type Definition       |                                                                                                                          |          |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInConnAck (DL_DATA_INDICATION_CONNECT_ACKNOWLEDGE)                                                                 |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                   |          |
| <b>Comments:</b>          | The ASP is used to indicate the reception of the CC CONNECT ACKNOWLEDGE message using acknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                                           | Comments |
| sapi                      | SAPID                                                                                                                    |          |
| logic_ch                  | LOGICCH                                                                                                                  |          |
| msg                       | CONN_ACK_PDU                                                                                                             |          |
| fn                        | FN                                                                                                                       |          |
| <b>Detailed Comments:</b> |                                                                                                                          |          |

| ASP Type Definition       |                                                                                                                   |          |
|---------------------------|-------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqDisc (DL_DATA_REQUEST_DISCONNECT)                                                                         |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                            |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the CC DISCONNECT message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                    | Comments |
| sapi                      | SAPID                                                                                                             |          |
| logic_ch                  | LOGICCH                                                                                                           |          |
| msg                       | DISC_PDU                                                                                                          |          |
| <b>Detailed Comments:</b> |                                                                                                                   |          |

| ASP Type Definition       |                                                                                                                   |          |
|---------------------------|-------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqDiscErr (DL_DATA_REQUEST_DISCONNECT_ERR)                                                                  |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                            |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the CC DISCONNECT message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                    | Comments |
| sapi                      | SAPID                                                                                                             |          |
| logic_ch                  | LOGICCH                                                                                                           |          |
| msg                       | DISC_PDU_ERR                                                                                                      |          |
| <b>Detailed Comments:</b> |                                                                                                                   |          |

| ASP Type Definition       |                                                                                                               |          |
|---------------------------|---------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInDisc (DL_DATA_INDICATION_DISCONNECT)                                                                  |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                        |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the CC DISCONNECT message using acknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                                | Comments |
| sapi                      | SAPID                                                                                                         |          |
| logic_ch                  | LOGICCH                                                                                                       |          |
| msg                       | DISC_PDU                                                                                                      |          |
| fn                        | FN                                                                                                            |          |
| <b>Detailed Comments:</b> |                                                                                                               |          |

| ASP Type Definition       |                                                                                                                    |          |
|---------------------------|--------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInESetup (DL_DATA_INDICATION_EMERGENCY_SETUP)                                                                |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                             |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the CC EMERGENCY_SETUP message using acknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                                     | Comments |
| sapi                      | SAPID                                                                                                              |          |
| logic_ch                  | LOGICCH                                                                                                            |          |
| msg                       | ESETUP_PDU                                                                                                         |          |
| fn                        | FN                                                                                                                 |          |
| <b>Detailed Comments:</b> |                                                                                                                    |          |

| ASP Type Definition       |                                                                                                                 |          |
|---------------------------|-----------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqFac (DL_DATA_REQUEST_FACILITY)                                                                          |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                          |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the CC FACILITY message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                  | Comments |
| sapi                      | SAPID                                                                                                           |          |
| logic_ch                  | LOGICCH                                                                                                         |          |
| msg                       | FAC_PDU                                                                                                         |          |
| <b>Detailed Comments:</b> |                                                                                                                 |          |

| ASP Type Definition       |                                                                                                             |          |
|---------------------------|-------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInFac (DL_DATA_INDICATION_FACILITY)                                                                   |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                      |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the CC FACILITY message using acknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                              | Comments |
| sapi                      | SAPID                                                                                                       |          |
| logic_ch                  | LOGICCH                                                                                                     |          |
| msg                       | FAC_PDU                                                                                                     |          |
| fn                        | FN                                                                                                          |          |
| <b>Detailed Comments:</b> |                                                                                                             |          |

| ASP Type Definition       |                                                                                                         |          |
|---------------------------|---------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInHold (DL_DATA_INDICATION_HOLD)                                                                  |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                  |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the CC HOLD message using acknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                          | Comments |
| sapi                      | SAPID                                                                                                   |          |
| logic_ch                  | LOGICCH                                                                                                 |          |
| msg                       | HOLD_PDU                                                                                                |          |
| fn                        | FN                                                                                                      |          |
| <b>Detailed Comments:</b> |                                                                                                         |          |

| ASP Type Definition       |                                                                                                                         |          |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqHoldAck (DL_DATA_REQUEST_HOLD_ACKNOWLEDGE)                                                                      |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                  |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the CC HOLD ACKNOWLEDGE message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                          | Comments |
| sapi                      | SAPID                                                                                                                   |          |
| logic_ch                  | LOGICCH                                                                                                                 |          |
| msg                       | HOLD_ACK_PDU                                                                                                            |          |
| <b>Detailed Comments:</b> |                                                                                                                         |          |

| ASP Type Definition       |                                                                                                               |          |
|---------------------------|---------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqModify (DL_DATA_REQUEST_MODIFY)                                                                       |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                        |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the CC MODIFY message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                | Comments |
| sapi                      | SAPID                                                                                                         |          |
| logic_ch                  | LOGICCH                                                                                                       |          |
| msg                       | MODIFY_PDU                                                                                                    |          |
| <b>Detailed Comments:</b> |                                                                                                               |          |

| ASP Type Definition       |                                                                                                           |          |
|---------------------------|-----------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInModify (DL_DATA_INDICATION_MODIFY)                                                                |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                    |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the CC MODIFY message using acknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                            | Comments |
| sapi                      | SAPID                                                                                                     |          |
| logic_ch                  | LOGICCH                                                                                                   |          |
| msg                       | MODIFY_PDU                                                                                                |          |
| fn                        | FN                                                                                                        |          |
| <b>Detailed Comments:</b> |                                                                                                           |          |

| ASP Type Definition       |                                                                                                                        |          |
|---------------------------|------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqModifyCom (DL_DATA_REQUEST_MODIFY_COMPLETE)                                                                    |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                 |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the CC MODIFY COMPLETE message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                         | Comments |
| sapi                      | SAPID                                                                                                                  |          |
| logic_ch                  | LOGICCH                                                                                                                |          |
| msg                       | MODIFY_COM_PDU                                                                                                         |          |
| <b>Detailed Comments:</b> |                                                                                                                        |          |

| ASP Type Definition       |                                                                                                                      |          |
|---------------------------|----------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqModifyRej (DL_DATA_REQUEST_MODIFY_REJECT)                                                                    |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                               |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the CC MODIFY REJECT message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                       | Comments |
| sapi                      | SAPID                                                                                                                |          |
| logic_ch                  | LOGICCH                                                                                                              |          |
| msg                       | MODIFY_REJ_PDU                                                                                                       |          |
| <b>Detailed Comments:</b> |                                                                                                                      |          |

| ASP Type Definition       |                                                                                                                  |          |
|---------------------------|------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInModifyRej (DL_DATA_INDICATION_MODIFY_REJECT)                                                             |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                           |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the CC MODIFY REJECT message using acknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                                   | Comments |
| sapi                      | SAPID                                                                                                            |          |
| logic_ch                  | LOGICCH                                                                                                          |          |
| msg                       | MODIFY_REJ_PDU                                                                                                   |          |
| fn                        | FN                                                                                                               |          |
| <b>Detailed Comments:</b> |                                                                                                                  |          |

| ASP Type Definition       |                                                                                                               |          |
|---------------------------|---------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqNotify (DL_DATA_REQUEST_NOTIFY)                                                                       |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                        |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the CC NOTIFY message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                | Comments |
| sapi                      | SAPID                                                                                                         |          |
| logic_ch                  | LOGICCH                                                                                                       |          |
| msg                       | NOTIFY_PDU                                                                                                    |          |
| <b>Detailed Comments:</b> |                                                                                                               |          |

| ASP Type Definition       |                                                                                                                 |          |
|---------------------------|-----------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqProg (DL_DATA_REQUEST_PROGRESS)                                                                         |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                          |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the CC PROGRESS message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                  | Comments |
| sapi                      | SAPID                                                                                                           |          |
| logic_ch                  | LOGICCH                                                                                                         |          |
| msg                       | PROG_PDU                                                                                                        |          |
| <b>Detailed Comments:</b> |                                                                                                                 |          |

| ASP Type Definition       |                                                                                                                 |          |
|---------------------------|-----------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqRegister (DL_DATA_REQUEST_REGISTER)                                                                     |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                          |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the SS REGISTER message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                  | Comments |
| sapi                      | SAPID                                                                                                           |          |
| logic_ch                  | LOGICCH                                                                                                         |          |
| msg                       | REGISTER_PDU                                                                                                    |          |
| <b>Detailed Comments:</b> |                                                                                                                 |          |

| ASP Type Definition       |                                                                                                      |          |
|---------------------------|------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInRegister (DL_DATA_INDICATION_REGISTER)                                                       |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                               |          |
| <b>Comments:</b>          | The ASP is used to receive the transmission of the SS REGISTER message using acknowledged operation. |          |
| Parameter Name            | Parameter Type                                                                                       | Comments |
| sapi                      | SAPID                                                                                                |          |
| logic_ch                  | LOGICCH                                                                                              |          |
| msg                       | REGISTER_PDU                                                                                         |          |
| fn                        | FN                                                                                                   |          |
| <b>Detailed Comments:</b> |                                                                                                      |          |

| ASP Type Definition       |                                                                                                                |          |
|---------------------------|----------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqRel (DL_DATA_REQUEST_RELEASE)                                                                          |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                         |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the CC RELEASE message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                 | Comments |
| sapi                      | SAPID                                                                                                          |          |
| logic_ch                  | LOGICCH                                                                                                        |          |
| msg                       | REL_PDU                                                                                                        |          |
| <b>Detailed Comments:</b> |                                                                                                                |          |

| ASP Type Definition       |                                                                                                            |          |
|---------------------------|------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInRel (DL_DATA_INDICATION_RELEASE)                                                                   |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                     |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the CC RELEASE message using acknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                             | Comments |
| sapi                      | SAPID                                                                                                      |          |
| logic_ch                  | LOGICCH                                                                                                    |          |
| msg                       | REL_PDU                                                                                                    |          |
| fn                        | FN                                                                                                         |          |
| <b>Detailed Comments:</b> |                                                                                                            |          |

| ASP Type Definition       |                                                                                                                         |          |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqRelCmp (DL_DATA_REQUEST_RELEASE_COMPLETE)                                                                       |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                  |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the CC RELEASE COMPLETE message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                          | Comments |
| sapi                      | SAPID                                                                                                                   |          |
| logic_ch                  | LOGICCH                                                                                                                 |          |
| msg                       | REL_COM_PDU                                                                                                             |          |
| <b>Detailed Comments:</b> |                                                                                                                         |          |

| ASP Type Definition       |                                                                                                                     |          |
|---------------------------|---------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInRelCmp (DL_DATA_INDICATION_RELEASE_COMPLETE)                                                                |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                              |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the CC RELEASE COMPLETE message using acknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                                      | Comments |
| sapi                      | SAPID                                                                                                               |          |
| logic_ch                  | LOGICCH                                                                                                             |          |
| msg                       | REL_COM_PDU                                                                                                         |          |
| fn                        | FN                                                                                                                  |          |
| <b>Detailed Comments:</b> |                                                                                                                     |          |

| ASP Type Definition       |                                                                                                              |          |
|---------------------------|--------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqSetup (DL_DATA_REQUEST_SETUP)                                                                        |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                       |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the CC SETUP message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                               | Comments |
| sapi                      | SAPID                                                                                                        |          |
| logic_ch                  | LOGICCH                                                                                                      |          |
| msg                       | SETUP_MT_PDU                                                                                                 |          |
| <b>Detailed Comments:</b> |                                                                                                              |          |

| ASP Type Definition       |                                                                                                          |          |
|---------------------------|----------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInSetup (DL_DATA_INDICATION_SETUP)                                                                 |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                   |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the CC SETUP message using acknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                           | Comments |
| sapi                      | SAPID                                                                                                    |          |
| logic_ch                  | LOGICCH                                                                                                  |          |
| msg                       | SETUP_MO_PDU                                                                                             |          |
| fn                        | FN                                                                                                       |          |
| <b>Detailed Comments:</b> |                                                                                                          |          |

| ASP Type Definition       |                                                                                                               |          |
|---------------------------|---------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInStartDtmf (DL_DATA_INDICATION_START_DTMF)                                                             |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                        |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the CC START_DTMF message using acknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                                | Comments |
| sapi                      | SAPID                                                                                                         |          |
| logic_ch                  | LOGICCH                                                                                                       |          |
| msg                       | START_DTMF_PDU                                                                                                |          |
| fn                        | FN                                                                                                            |          |
| <b>Detailed Comments:</b> |                                                                                                               |          |

| ASP Type Definition       |                                                                                                                               |          |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqStartDtmfAck (DL_DATA_REQUEST_START_DTMF_ACKNOWLEDGE)                                                                 |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                        |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the CC START DTMF ACKNOWLEDGE message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                                | Comments |
| sapi                      | SAPID                                                                                                                         |          |
| logic_ch                  | LOGICCH                                                                                                                       |          |
| msg                       | START_DTMF_ACK_PDU                                                                                                            |          |
| <b>Detailed Comments:</b> |                                                                                                                               |          |

| ASP Type Definition       |                                                                                                                         |          |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqStartDtmfRej (DL_DATA_REQUEST_START_DTMF_REJCT)                                                                 |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                  |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the CC START DTMF REJCT message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                          | Comments |
| sapi                      | SAPID                                                                                                                   |          |
| logic_ch                  | LOGICCH                                                                                                                 |          |
| msg                       | START_DTMF_REJ_PDU                                                                                                      |          |
| <b>Detailed Comments:</b> |                                                                                                                         |          |

| ASP Type Definition       |                                                                                                              |          |
|---------------------------|--------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInStopDtmf (DL_DATA_INDICATION_STOP_DTMF)                                                              |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                       |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the CC STOP_DTMF message using acknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                               | Comments |
| sapi                      | SAPID                                                                                                        |          |
| logic_ch                  | LOGICCH                                                                                                      |          |
| msg                       | STOP_DTMF_PDU                                                                                                |          |
| fn                        | FN                                                                                                           |          |
| <b>Detailed Comments:</b> |                                                                                                              |          |

| ASP Type Definition       |                                                                                                                              |          |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqStopDtmfAck (DL_DATA_REQUEST_STOP_DTMF_ACKNOWLEDGE)                                                                  |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                       |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the CC STOP DTMF ACKNOWLEDGE message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                               | Comments |
| sapi                      | SAPID                                                                                                                        |          |
| logic_ch                  | LOGICCH                                                                                                                      |          |
| msg                       | STOP_DTMF_ACK_PDU                                                                                                            |          |
| <b>Detailed Comments:</b> |                                                                                                                              |          |

| ASP Type Definition       |                                                                                                               |          |
|---------------------------|---------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqCcst (DL_DATA_REQUEST_CC_STATUS)                                                                      |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                        |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the CC STATUS message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                | Comments |
| sapi                      | SAPID                                                                                                         |          |
| logic_ch                  | LOGICCH                                                                                                       |          |
| msg                       | CCST_PDU                                                                                                      |          |
| <b>Detailed Comments:</b> |                                                                                                               |          |



| ASP Type Definition       |                                                                                                           |          |
|---------------------------|-----------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInCcst (DL_DATA_INDICATION_CC_STATUS)                                                               |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                    |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the CC STATUS message using acknowledged operation (L2 -> L3). |          |
| Parameter Name            | Parameter Type                                                                                            | Comments |
| sapi                      | SAPID                                                                                                     |          |
| logic_ch                  | LOGICCH                                                                                                   |          |
| msg                       | CCST_PDU                                                                                                  |          |
| fn                        | FN                                                                                                        |          |
| <b>Detailed Comments:</b> |                                                                                                           |          |

| ASP Type Definition       |                                                                                                                   |          |
|---------------------------|-------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqCcstEnq (DL_DATA_REQUEST_CC_STATUS_ENQ)                                                                   |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                            |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the CC STATUS_ENQ message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                    | Comments |
| sapi                      | SAPID                                                                                                             |          |
| logic_ch                  | LOGICCH                                                                                                           |          |
| msg                       | CCST_ENQ_PDU                                                                                                      |          |
| <b>Detailed Comments:</b> |                                                                                                                   |          |

| ASP Type Definition       |                                                                                  |          |
|---------------------------|----------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqUndefCC (DL_DATA_REQUEST)                                                |          |
| <b>PCO Type:</b>          | SAP0_3                                                                           |          |
| <b>Comments:</b>          | The ASP is used to transmit any message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                   | Comments |
| sapi                      | SAPID                                                                            |          |
| logic_ch                  | LOGICCH                                                                          |          |
| msg                       | CONN_PDU                                                                         |          |
| <b>Detailed Comments:</b> |                                                                                  |          |

| ASP Type Definition       |                                                                                  |          |
|---------------------------|----------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqUndefMM (DL_DATA_REQUEST)                                                |          |
| <b>PCO Type:</b>          | SAP0_3                                                                           |          |
| <b>Comments:</b>          | The ASP is used to transmit any message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                   | Comments |
| sapi                      | SAPID                                                                            |          |
| logic_ch                  | LOGICCH                                                                          |          |
| msg                       | ID_RES_PDU                                                                       |          |
| <b>Detailed Comments:</b> |                                                                                  |          |

| ASP Type Definition       |                                                                                  |          |
|---------------------------|----------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqUndefRR (DL_DATA_REQUEST)                                                |          |
| <b>PCO Type:</b>          | SAP0_3                                                                           |          |
| <b>Comments:</b>          | The ASP is used to transmit any message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                   | Comments |
| sapi                      | SAPID                                                                            |          |
| logic_ch                  | LOGICCH                                                                          |          |
| msg                       | PART_REL_PDU                                                                     |          |
| <b>Detailed Comments:</b> |                                                                                  |          |

| ASP Type Definition       |                                                                                  |          |
|---------------------------|----------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqUnknown (DL_DATA_REQUEST)                                                |          |
| <b>PCO Type:</b>          | SAP0_3                                                                           |          |
| <b>Comments:</b>          | The ASP is used to transmit any message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                   | Comments |
| sapi                      | SAPID                                                                            |          |
| logic_ch                  | LOGICCH                                                                          |          |
| msg                       | CCST_ENQ_PDU                                                                     |          |
| <b>Detailed Comments:</b> |                                                                                  |          |

| ASP Type Definition       |                                                                                                                    |          |
|---------------------------|--------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInCpData (DL_DATA_INDICATION_CP_DATA)                                                                        |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                             |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the SMS CP DATA message using acknowledged operation (L2 -> L3) for MT. |          |
| Parameter Name            | Parameter Type                                                                                                     | Comments |
| sapi                      | SAPID                                                                                                              |          |
| logic_ch                  | LOGICCH                                                                                                            |          |
| msg                       | CP_DATA_PDU                                                                                                        |          |
| fn                        | FN                                                                                                                 |          |
| <b>Detailed Comments:</b> |                                                                                                                    |          |

| ASP Type Definition       |                                                                                                                        |          |
|---------------------------|------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqCpData (DL_DATA_REQUEST_CP_DATA)                                                                               |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                 |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the SMS CP DATA message using acknowledged operation (L3 -> L2) for MO. |          |
| Parameter Name            | Parameter Type                                                                                                         | Comments |
| sapi                      | SAPID                                                                                                                  |          |
| logic_ch                  | LOGICCH                                                                                                                |          |
| msg                       | CP_DATA_PDU                                                                                                            |          |
| <b>Detailed Comments:</b> |                                                                                                                        |          |

| ASP Type Definition       |                                                                                                              |          |
|---------------------------|--------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatInCpDataAck (DL_DATA_INDICATION_CPDATA_ACKNOWLEDGE)                                                    |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                       |          |
| <b>Comments:</b>          | The ASP is used to indicate the receipt of the SMS CP DATA message using acknowledged operation (L2 -> L3) . |          |
| Parameter Name            | Parameter Type                                                                                               | Comments |
| sapi                      | SAPID                                                                                                        |          |
| logic_ch                  | LOGICCH                                                                                                      |          |
| msg                       | CPDATA_ACK_PDU                                                                                               |          |
| fn                        | FN                                                                                                           |          |
| <b>Detailed Comments:</b> |                                                                                                              |          |

| ASP Type Definition       |                                                                                                                         |          |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqCpDataAck (DL_DATA_REQUEST_CPDATA_ACKNOWLEDGE)                                                                  |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                  |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the CP DATA ACKNOWLEDGE message using acknowledged operation (L3 -> L2). |          |
| Parameter Name            | Parameter Type                                                                                                          | Comments |
| sapi                      | SAPID                                                                                                                   |          |
| logic_ch                  | LOGICCH                                                                                                                 |          |
| msg                       | CPDATA_ACK_PDU                                                                                                          |          |
| <b>Detailed Comments:</b> |                                                                                                                         |          |

| ASP Type Definition       |                                                                                                                         |          |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | DL_DatRqCpError (DL_DATA_REQUEST_CP_ERROR)                                                                              |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                  |          |
| <b>Comments:</b>          | The ASP is used to request the transmission of the SMS CP ERROR message using acknowledged operation (L3 -> L2) for MO. |          |
| Parameter Name            | Parameter Type                                                                                                          | Comments |
| sapi                      | SAPID                                                                                                                   |          |
| logic_ch                  | LOGICCH                                                                                                                 |          |
| msg                       | CPERR_PDU                                                                                                               |          |
| <b>Detailed Comments:</b> |                                                                                                                         |          |

| ASP Type Definition       |                                                                                                                                                                          |          |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ASP Name:</b>          | MDL_ReIRq (MDL_RELEASE_REQUEST)                                                                                                                                          |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                                                                   |          |
| <b>Comments:</b>          | The ASP is used to request the local end termination of a previous established acknowledged mode operation (L3 -> L2). The local end termination procedure is initiated. |          |
| Parameter Name            | Parameter Type                                                                                                                                                           | Comments |
| sapi                      | SAPID                                                                                                                                                                    |          |
| logic_ch                  | LOGICCH                                                                                                                                                                  |          |
| release_mode              | RelMode                                                                                                                                                                  |          |
| <b>Detailed Comments:</b> |                                                                                                                                                                          |          |

## PDU type definitions

### TTCN PDU Type definitions

| PDU Type Definition       |                                                    |          |
|---------------------------|----------------------------------------------------|----------|
| <b>PDU Name:</b>          | ASS_CMD_PDU                                        |          |
| <b>PCO Type:</b>          | SAP0_3                                             |          |
| <b>Comments:</b>          | RR ASSSIGNMENT COMMAND n -> ms<br>GSM 04.08, 9.1.2 |          |
| Field Name                | Field Type                                         | Comments |
| ski                       | SKI                                                |          |
| rrpd                      | PD                                                 |          |
| mt                        | MT                                                 |          |
| ch1d_at                   | CHD                                                |          |
| pcmd                      | PCMD                                               |          |
| frql_at                   | FRQL                                               |          |
| cchd                      | CCHD                                               |          |
| ch1mod                    | CHMOD                                              |          |
| ch2d_at                   | CHD                                                |          |
| ch2mod                    | CHMOD                                              |          |
| ma_at                     | MA                                                 |          |
| strt                      | STRT                                               |          |
| frql_bt                   | FRQL                                               |          |
| ch1d_bt                   | CHD                                                |          |
| ch2d_bt                   | CHD                                                |          |
| frqchs_bt                 | FRQCHS                                             |          |
| ma_bt                     | MA                                                 |          |
| cphms                     | CPHMS                                              |          |
| <b>Detailed Comments:</b> |                                                    |          |

| PDU Type Definition       |                                                    |          |
|---------------------------|----------------------------------------------------|----------|
| <b>PDU Name:</b>          | ASS_COM_PDU                                        |          |
| <b>PCO Type:</b>          | SAP0_3                                             |          |
| <b>Comments:</b>          | RR ASSIGNMENT COMPLETE ms -> n<br>GSM 04.08, 9.1.3 |          |
| Field Name                | Field Type                                         | Comments |
| ski                       | SKI                                                |          |
| rrpd                      | PD                                                 |          |
| mt                        | MT                                                 |          |
| rrcau                     | RRCAU                                              |          |
| <b>Detailed Comments:</b> |                                                    |          |

| PDU Type Definition       |                                                   |          |
|---------------------------|---------------------------------------------------|----------|
| <b>PDU Name:</b>          | ASSFL_PDU                                         |          |
| <b>PCO Type:</b>          | SAP0_3                                            |          |
| <b>Comments:</b>          | RR ASSIGNMENT FAILURE ms -> n<br>GSM 04.08, 9.1.4 |          |
| Field Name                | Field Type                                        | Comments |
| ski                       | SKI                                               |          |
| rrpd                      | PD                                                |          |
| mt                        | MT                                                |          |
| rrcau                     | RRCAU                                             |          |
| <b>Detailed Comments:</b> |                                                   |          |

| PDU Type Definition       |                                                    |          |
|---------------------------|----------------------------------------------------|----------|
| <b>PDU Name:</b>          | CHMMO_PDU                                          |          |
| <b>PCO Type:</b>          | SAP0_3                                             |          |
| <b>Comments:</b>          | RR CHANNEL MODE MODIFY n -> ms<br>GSM 04.08, 9.1.5 |          |
| Field Name                | Field Type                                         | Comments |
| ski                       | SKI                                                |          |
| rrpd                      | PD                                                 |          |
| mt                        | MT                                                 |          |
| chd                       | CHD                                                |          |
| chmod                     | CHMOD                                              |          |
| <b>Detailed Comments:</b> |                                                    |          |

| PDU Type Definition       |                                                                |          |
|---------------------------|----------------------------------------------------------------|----------|
| <b>PDU Name:</b>          | CHMMO_ACK_PDU                                                  |          |
| <b>PCO Type:</b>          | SAP0_3                                                         |          |
| <b>Comments:</b>          | RR CHANNEL MODE MODIFY ACKNOWLEDGE ms -> n<br>GSM 04.08, 9.1.6 |          |
| Field Name                | Field Type                                                     | Comments |
| ski                       | SKI                                                            |          |
| rrpd                      | PD                                                             |          |
| mt                        | MT                                                             |          |
| chd                       | CHD                                                            |          |
| chmod                     | CHMOD                                                          |          |
| <b>Detailed Comments:</b> |                                                                |          |

| PDU Type Definition       |                                                |          |
|---------------------------|------------------------------------------------|----------|
| <b>PDU Name:</b>          | CH_REL_PDU                                     |          |
| <b>PCO Type:</b>          | SAP0_3                                         |          |
| <b>Comments:</b>          | RR CHANNEL RELEASE n -> ms<br>GSM 04.08, 9.1.7 |          |
| Field Name                | Field Type                                     | Comments |
| ski                       | SKI                                            |          |
| rrpd                      | PD                                             |          |
| mt                        | MT                                             |          |
| rrcau                     | RRCAU                                          |          |
| <b>Detailed Comments:</b> |                                                |          |

| PDU Type Definition       |                                                                                 |          |
|---------------------------|---------------------------------------------------------------------------------|----------|
| <b>PDU Name:</b>          | CH_REL_PDU_ERR                                                                  |          |
| <b>PCO Type:</b>          | SAP0_3                                                                          |          |
| <b>Comments:</b>          | RR CHANNEL RELEASE containing additional unknown IE n -> ms<br>GSM 04.08, 9.1.7 |          |
| Field Name                | Field Type                                                                      | Comments |
| ski                       | SKI                                                                             |          |
| rrpd                      | PD                                                                              |          |
| mt                        | MT                                                                              |          |
| rrcau                     | RRCAU                                                                           |          |
| add                       | OCTETSTRING                                                                     |          |
| <b>Detailed Comments:</b> |                                                                                 |          |

| PDU Type Definition       |                                                |          |
|---------------------------|------------------------------------------------|----------|
| <b>PDU Name:</b>          | CH_RQ_PDU                                      |          |
| <b>PCO Type:</b>          | SAP0_3                                         |          |
| <b>Comments:</b>          | RR CHANNEL REQUEST ms -> n<br>GSM 04.08, 9.1.8 |          |
| Field Name                | Field Type                                     | Comments |
| ecau_rrf                  | BITSTRING [8]                                  |          |
| <b>Detailed Comments:</b> |                                                |          |

| PDU Type Definition       |                                                       |          |
|---------------------------|-------------------------------------------------------|----------|
| <b>PDU Name:</b>          | CPHM_CMD_PDU                                          |          |
| <b>PCO Type:</b>          | SAP0_3                                                |          |
| <b>Comments:</b>          | RR CIPHERING MODE COMMAND n -> ms<br>GSM 04.08, 9.1.9 |          |
| Field Name                | Field Type                                            | Comments |
| ski                       | SKI                                                   |          |
| rrpd                      | PD                                                    |          |
| mt                        | MT                                                    |          |
| cph_res                   | CPH_RES                                               |          |
| cphms                     | CPHMS                                                 |          |
| <b>Detailed Comments:</b> |                                                       |          |

| PDU Type Definition       |                                                                          |          |
|---------------------------|--------------------------------------------------------------------------|----------|
| <b>PDU Name:</b>          | CPHM_CMD_PDU_ERR                                                         |          |
| <b>PCO Type:</b>          | SAP0_3                                                                   |          |
| <b>Comments:</b>          | RR CIPHERING MODE COMMAND with additional unknown IE<br>GSM 04.08, 9.1.9 |          |
| Field Name                | Field Type                                                               | Comments |
| ski                       | SKI                                                                      |          |
| rrpd                      | PD                                                                       |          |
| mt                        | MT                                                                       |          |
| cph_res                   | CPH_RES                                                                  |          |
| cphms                     | CPHMS                                                                    |          |
| add                       | OCTETSTRING                                                              |          |
| <b>Detailed Comments:</b> |                                                                          |          |

| PDU Type Definition       |                                                         |          |
|---------------------------|---------------------------------------------------------|----------|
| <b>PDU Name:</b>          | CPHM_COM_PDU                                            |          |
| <b>PCO Type:</b>          | SAP0_3                                                  |          |
| <b>Comments:</b>          | RR CIPHERING MODE COMPLETE ms -> n<br>GSM 04.08, 9.1.10 |          |
| Field Name                | Field Type                                              | Comments |
| ski                       | SKI                                                     |          |
| rrpd                      | PD                                                      |          |
| mt                        | MT                                                      |          |
| mei                       | MI                                                      |          |
| <b>Detailed Comments:</b> |                                                         |          |

| PDU Type Definition       |                                                  |          |
|---------------------------|--------------------------------------------------|----------|
| <b>PDU Name:</b>          | CLM_CHN_PDU                                      |          |
| <b>PCO Type:</b>          | SAP0_3                                           |          |
| <b>Comments:</b>          | RR CLASSMARK CHANGE ms -> n<br>GSM 04.08, 9.1.11 |          |
| Field Name                | Field Type                                       | Comments |
| ski                       | SKI                                              |          |
| rrpd                      | PD                                               |          |
| mt                        | MT                                               |          |
| msclm                     | MSCLM2                                           |          |
| msclm_adi                 | MSCLM3                                           |          |
| <b>Detailed Comments:</b> |                                                  |          |

| PDU Type Definition       |                                                   |          |
|---------------------------|---------------------------------------------------|----------|
| <b>PDU Name:</b>          | CLM_ENQ_PDU                                       |          |
| <b>PCO Type:</b>          | SAP0_3                                            |          |
| <b>Comments:</b>          | RR CLASSMARK ENQUIRY n -> ms<br>GSM 04.08, 9.1.12 |          |
| Field Name                | Field Type                                        | Comments |
| ski                       | SKI                                               |          |
| rrpd                      | PD                                                |          |
| mt                        | MT                                                |          |
| <b>Detailed Comments:</b> |                                                   |          |

| PDU Type Definition       |                                                         |          |
|---------------------------|---------------------------------------------------------|----------|
| <b>PDU Name:</b>          | FRQRE_PDU                                               |          |
| <b>PCO Type:</b>          | SAP0_3                                                  |          |
| <b>Comments:</b>          | RR FREQUENCY REDEFINITIONY n -> ms<br>GSM 04.08, 9.1.13 |          |
| Field Name                | Field Type                                              | Comments |
| ski                       | SKI                                                     |          |
| rrpd                      | PD                                                      |          |
| mt                        | MT                                                      |          |
| chd                       | CHD                                                     |          |
| ma                        | MA                                                      |          |
| strt                      | STRT                                                    |          |
| cchd                      | CCHD                                                    |          |
| <b>Detailed Comments:</b> |                                                         |          |

| PDU Type Definition       |                                                 |          |
|---------------------------|-------------------------------------------------|----------|
| <b>PDU Name:</b>          | HOACC_PDU                                       |          |
| <b>PCO Type:</b>          | SAP0_3                                          |          |
| <b>Comments:</b>          | RR HANDOVER ACCESS ms -> n<br>GSM 04.08, 9.1.14 |          |
| Field Name                | Field Type                                      | Comments |
| horf                      | HORF                                            |          |
| <b>Detailed Comments:</b> |                                                 |          |

| PDU Type Definition       |                                                  |          |
|---------------------------|--------------------------------------------------|----------|
| <b>PDU Name:</b>          | HO_CMD_PDU                                       |          |
| <b>PCO Type:</b>          | SAP0_3                                           |          |
| <b>Comments:</b>          | RR HANDOVER COMMAND n -> ms<br>GSM 04.08, 9.1.15 |          |
| Field Name                | Field Type                                       | Comments |
| ski                       | SKI                                              |          |
| rrpd                      | PD                                               |          |
| mt                        | MT                                               |          |
| cd                        | CD                                               |          |
| ch1d_at                   | CHD                                              |          |
| horf                      | HORF                                             |          |
| pcmd                      | PCMD                                             |          |
| synchi                    | SYNCHI                                           |          |
| frqsl_at                  | FRQL                                             |          |
| frql_at                   | FRQL                                             |          |
| cchd                      | CCHD                                             |          |
| ch1mod                    | CHMOD                                            |          |
| ch2d_at                   | CHD                                              |          |
| ch2mod                    | CHMOD                                            |          |
| frqchs_at                 | FRQCHS                                           |          |
| ma_at                     | MA                                               |          |
| strt                      | STRT                                             |          |
| rtdif                     | TDIF                                             |          |
| ta                        | TA                                               |          |
| frqsl_bt                  | FRQL                                             |          |
| frql_bt                   | FRQL                                             |          |
| ch1d_bt                   | CHD                                              |          |
| ch2d_bt                   | CHD                                              |          |
| frqchs_bt                 | FRQCHS                                           |          |
| ma_bt                     | MA                                               |          |
| cphms                     | CPHMS                                            |          |
| <b>Detailed Comments:</b> |                                                  |          |

| PDU Type Definition       |                                                   |          |
|---------------------------|---------------------------------------------------|----------|
| <b>PDU Name:</b>          | HO_COM_PDU                                        |          |
| <b>PCO Type:</b>          | SAP0_3                                            |          |
| <b>Comments:</b>          | RR HANDOVER COMPLETE ms -> n<br>GSM 04.08, 9.1.16 |          |
| Field Name                | Field Type                                        | Comments |
| ski                       | SKI                                               |          |
| rrpd                      | PD                                                |          |
| mt                        | MT                                                |          |
| rrcau                     | RRCAU                                             |          |
| motdif                    | MTDIF                                             |          |
| <b>Detailed Comments:</b> |                                                   |          |

| PDU Type Definition       |                                                  |          |
|---------------------------|--------------------------------------------------|----------|
| <b>PDU Name:</b>          | HOFL_PDU                                         |          |
| <b>PCO Type:</b>          | SAP0_3                                           |          |
| <b>Comments:</b>          | RR HANDOVER FAILURE ms -> n<br>GSM 04.08, 9.1.17 |          |
| Field Name                | Field Type                                       | Comments |
| ski                       | SKI                                              |          |
| rrpd                      | PD                                               |          |
| mt                        | MT                                               |          |
| rrcau                     | RRCAU                                            |          |
| <b>Detailed Comments:</b> |                                                  |          |

| PDU Type Definition                                                    |                                                      |          |
|------------------------------------------------------------------------|------------------------------------------------------|----------|
| <b>PDU Name:</b>                                                       | IMMASS_PDU                                           |          |
| <b>PCO Type:</b>                                                       | SAP0_3                                               |          |
| <b>Comments:</b>                                                       | RR IMMEDIATE ASSIGNMENT n -> ms<br>GSM 04.08, 9.1.18 |          |
| Field Name                                                             | Field Type                                           | Comments |
| l2_pl                                                                  | LENGTH                                               |          |
| ski                                                                    | SKI                                                  |          |
| rrpd                                                                   | PD                                                   |          |
| mt                                                                     | MT                                                   |          |
| shoct                                                                  | SHOCT                                                |          |
| pm                                                                     | PM                                                   |          |
| chd                                                                    | CHD                                                  |          |
| rqr                                                                    | RQR                                                  |          |
| ta                                                                     | TA                                                   |          |
| ma                                                                     | MA                                                   |          |
| strt                                                                   | STRT                                                 |          |
| iaroct                                                                 | IARESTOCT                                            |          |
| <b>Detailed Comments:</b> The message has a fixed length of 23 octets. |                                                      |          |



| PDU Type Definition       |                                                      |          |
|---------------------------|------------------------------------------------------|----------|
| <b>PDU Name:</b>          | IMMASSX_PDU                                          |          |
| <b>PCO Type:</b>          | SAP0_3                                               |          |
| <b>Comments:</b>          | RR IMMEDIATE ASSIGNMENT n -> ms<br>GSM 04.08, 9.1.19 |          |
| Field Name                | Field Type                                           | Comments |
| l2_pl                     | LENGTH                                               |          |
| ski                       | SKI                                                  |          |
| rrpd                      | PD                                                   |          |
| mt                        | MT                                                   |          |
| shoct                     | SHOCT                                                |          |
| pm                        | PM                                                   |          |
| chd1                      | CHD                                                  |          |
| rqr1                      | RQR                                                  |          |
| ta1                       | TA                                                   |          |
| chd2                      | CHD                                                  |          |
| rqr2                      | RQR                                                  |          |
| ta2                       | TA                                                   |          |
| ma                        | MA                                                   |          |
| strt                      | STRT                                                 |          |
| iaxroct                   | OCTETSTRING [1..4]                                   |          |
| <b>Detailed Comments:</b> | The message has a fixed length of 23 octets.         |          |

| PDU Type Definition       |                                                  |          |
|---------------------------|--------------------------------------------------|----------|
| <b>PDU Name:</b>          | IMMASS_REJ_PDU                                   |          |
| <b>PCO Type:</b>          | SAP0_3                                           |          |
| <b>Comments:</b>          | RR IMMEDIATE REJECT n -> ms<br>GSM 04.08, 9.1.20 |          |
| Field Name                | Field Type                                       | Comments |
| l2_pl                     | LENGTH                                           |          |
| ski                       | SKI                                              |          |
| rrpd                      | PD                                               |          |
| mt                        | MT                                               |          |
| shoct                     | SHOCT                                            |          |
| pm                        | PM                                               |          |
| rqr1                      | RQR                                              |          |
| wi1                       | WI                                               |          |
| rqr2                      | RQR                                              |          |
| wi2                       | WI                                               |          |
| rqr3                      | RQR                                              |          |
| wi3                       | WI                                               |          |
| rqr4                      | RQR                                              |          |
| wi4                       | WI                                               |          |
| iarroct                   | OCTETSTRING [3]                                  |          |
| <b>Detailed Comments:</b> | The message has a fixed length of 23 octets.     |          |

| PDU Type Definition       |                                                    |          |
|---------------------------|----------------------------------------------------|----------|
| <b>PDU Name:</b>          | MSR_RPT_PDU                                        |          |
| <b>PCO Type:</b>          | SAP0_3                                             |          |
| <b>Comments:</b>          | RR MEASUREMENT REPORT ms -> n<br>GSM 04.08, 9.1.21 |          |
| Field Name                | Field Type                                         | Comments |
| ski                       | SKI                                                |          |
| rrpd                      | PD                                                 |          |
| mt                        | MT                                                 |          |
| msrr                      | MSRR                                               |          |
| <b>Detailed Comments:</b> |                                                    |          |

| PDU Type Definition       |                                                      |          |
|---------------------------|------------------------------------------------------|----------|
| <b>PDU Name:</b>          | PG1_RQ_PDU                                           |          |
| <b>PCO Type:</b>          | SAP0_3                                               |          |
| <b>Comments:</b>          | RR PAGING REQUEST_TYPE1 n -> ms<br>GSM 04.08, 9.1.22 |          |
| Field Name                | Field Type                                           | Comments |
| l2_pl                     | LENGTH                                               |          |
| ski                       | SKI                                                  |          |
| rrpd                      | PD                                                   |          |
| mt                        | MT                                                   |          |
| chn_m1_2                  | CHNEED                                               |          |
| pm                        | PM                                                   |          |
| mi1                       | MI                                                   |          |
| mi2                       | MI                                                   |          |
| p1roct                    | OCTETSTRING [0..17]                                  |          |
| <b>Detailed Comments:</b> | The message has a fixed length of 23 octets.         |          |

| PDU Type Definition       |                                                      |          |
|---------------------------|------------------------------------------------------|----------|
| <b>PDU Name:</b>          | PG2_RQ_PDU                                           |          |
| <b>PCO Type:</b>          | SAP0_3                                               |          |
| <b>Comments:</b>          | RR PAGING REQUEST TYPE2 n -> ms<br>GSM 04.08, 9.1.23 |          |
| Field Name                | Field Type                                           | Comments |
| l2_pl                     | LENGTH                                               |          |
| ski                       | SKI                                                  |          |
| rrpd                      | PD                                                   |          |
| mt                        | MT                                                   |          |
| chn_m1_2                  | CHNEED                                               |          |
| pm                        | PM                                                   |          |
| mi1                       | TMSI                                                 |          |
| mi2                       | TMSI                                                 |          |
| mi3                       | MI                                                   |          |
| p2roct                    | OCTETSTRING [1..11]                                  |          |
| <b>Detailed Comments:</b> | The message has a fixed length of 23 octets.         |          |

| PDU Type Definition       |                                                                                   |          |
|---------------------------|-----------------------------------------------------------------------------------|----------|
| <b>PDU Name:</b>          | PG3_RQ_PDU                                                                        |          |
| <b>PCO Type:</b>          | SAP0_3                                                                            |          |
| <b>Comments:</b>          | RR PAGING REQUEST TYPE3 n -> ms<br>GSM 04.08, 9.1.24                              |          |
| Field Name                | Field Type                                                                        | Comments |
| l2_pl                     | LENGTH                                                                            |          |
| ski                       | SKI                                                                               |          |
| rrpd                      | PD                                                                                |          |
| mt                        | MT                                                                                |          |
| chn_m1_2                  | CHNEED                                                                            |          |
| pm                        | PM                                                                                |          |
| mi1                       | TMSI                                                                              |          |
| mi2                       | TMSI                                                                              |          |
| mi3                       | TMSI                                                                              |          |
| mi4                       | TMSI                                                                              |          |
| p3roct                    | OCTETSTRING [3]                                                                   |          |
| <b>Detailed Comments:</b> | The message has an L2 pseudo length of 19 octets and a total length of 23 octets. |          |

| PDU Type Definition       |                                                 |          |
|---------------------------|-------------------------------------------------|----------|
| <b>PDU Name:</b>          | PG_RES_PDU                                      |          |
| <b>PCO Type:</b>          | SAP0_3                                          |          |
| <b>Comments:</b>          | RR PAGING RESPONSE ms -> n<br>GSM 04.08, 9.1.25 |          |
| Field Name                | Field Type                                      | Comments |
| ski                       | SKI                                             |          |
| rrpd                      | PD                                              |          |
| mt                        | MT                                              |          |
| shoct                     | SHOCT                                           |          |
| cphksn                    | CPHKS                                           |          |
| msclm                     | MSCLM2                                          |          |
| mi                        | MI                                              |          |
| <b>Detailed Comments:</b> |                                                 |          |

| PDU Type Definition       |                                                 |          |
|---------------------------|-------------------------------------------------|----------|
| <b>PDU Name:</b>          | PART_REL_PDU                                    |          |
| <b>PCO Type:</b>          | SAP0_3                                          |          |
| <b>Comments:</b>          | RR PARTIAL RELEASE n -> ms<br>GSM 04.08, 9.1.26 |          |
| Field Name                | Field Type                                      | Comments |
| ski                       | SKI                                             |          |
| rrpd                      | PD                                              |          |
| mt                        | MT                                              |          |
| chd                       | CHD                                             |          |
| <b>Detailed Comments:</b> |                                                 |          |

| PDU Type Definition       |                                                            |          |
|---------------------------|------------------------------------------------------------|----------|
| <b>PDU Name:</b>          | PHYINFO_PDU                                                |          |
| <b>PCO Type:</b>          | SAP0_3                                                     |          |
| <b>Comments:</b>          | RR PHYSICAL INFORMATION n -> ms<br>GSM 04.08 clause 9.1.28 |          |
| Field Name                | Field Type                                                 | Comments |
| ski                       | SKI                                                        |          |
| rrpd                      | PD                                                         |          |
| mt                        | MT                                                         |          |
| ta                        | TA                                                         |          |
| <b>Detailed Comments:</b> |                                                            |          |

| PDU Type Definition       |                                         |          |
|---------------------------|-----------------------------------------|----------|
| <b>PDU Name:</b>          | RRST_PDU                                |          |
| <b>PCO Type:</b>          | SAP0_3                                  |          |
| <b>Comments:</b>          | RR STATUS n <-> ms<br>GSM 04.08, 9.1.29 |          |
| Field Name                | Field Type                              | Comments |
| ski                       | SKI                                     |          |
| rrpd                      | PD                                      |          |
| mt                        | MT                                      |          |
| rrcau                     | RRCAU                                   |          |
| <b>Detailed Comments:</b> |                                         |          |

| PDU Type Definition       |                                                                     |          |
|---------------------------|---------------------------------------------------------------------|----------|
| <b>PDU Name:</b>          | SCHINFO_PDU                                                         |          |
| <b>PCO Type:</b>          | SAP0_3                                                              |          |
| <b>Comments:</b>          | RR SYNCHRONIZATION CHANNEL INFORMATION n -> ms<br>GSM 04.08, 9.1.30 |          |
| Field Name                | Field Type                                                          | Comments |
| ncc                       | NCC                                                                 |          |
| bcc                       | BCC                                                                 |          |
| t1                        | T1                                                                  |          |
| t2                        | T2                                                                  |          |
| t3_                       | T3_                                                                 |          |
| <b>Detailed Comments:</b> | SCHINFO_PDU has a total length of 25 bits (GSM 04.04).              |          |

| PDU Type Definition       |                                                                                   |          |
|---------------------------|-----------------------------------------------------------------------------------|----------|
| <b>PDU Name:</b>          | SYSINFO1_PDU                                                                      |          |
| <b>PCO Type:</b>          | SAP0_3                                                                            |          |
| <b>Comments:</b>          | RR SYSTEM INFORMATION TYPE1 n -> ms<br>GSM 04.08, 9.1.31                          |          |
| Field Name                | Field Type                                                                        | Comments |
| l2_pl                     | LENGTH                                                                            |          |
| ski                       | SKI                                                                               |          |
| rrpd                      | PD                                                                                |          |
| mt                        | MT                                                                                |          |
| cchd                      | CCHD                                                                              |          |
| rachcp                    | RACHCP                                                                            |          |
| si1roct                   | OCTETSTRING [1]                                                                   |          |
| <b>Detailed Comments:</b> | The message has an L2 pseudo length of 21 octets and a total length of 23 octets. |          |

| PDU Type Definition       |                                                                                   |          |
|---------------------------|-----------------------------------------------------------------------------------|----------|
| <b>PDU Name:</b>          | SYSINFO2_PDU                                                                      |          |
| <b>PCO Type:</b>          | SAP0_3                                                                            |          |
| <b>Comments:</b>          | RR SYSTEM INFORMATION TYPE2 n -> ms<br>GSM 04.08, 9.1.32                          |          |
| Field Name                | Field Type                                                                        | Comments |
| l2_pl                     | LENGTH                                                                            |          |
| ski                       | SKI                                                                               |          |
| rrpd                      | PD                                                                                |          |
| mt                        | MT                                                                                |          |
| bcchfl                    | NCD                                                                               |          |
| nccp                      | NCCP                                                                              |          |
| rachcp                    | RACHCP                                                                            |          |
| <b>Detailed Comments:</b> | The message has an L2 pseudo length of 22 octets and a total length of 23 octets. |          |

| PDU Type Definition       |                                                                                                                                                                                                                                                      |          |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>PDU Name:</b>          | SYSINFO2bis_PDU                                                                                                                                                                                                                                      |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                                                                                                                                               |          |
| <b>Comments:</b>          | RR SYSTEM INFORMATION TYPE2bis or 2ter n -> ms<br>GSM 04.08, 9.1.33, 9.1.33a                                                                                                                                                                         |          |
| Field Name                | Field Type                                                                                                                                                                                                                                           | Comments |
| l2_pl                     | LENGTH                                                                                                                                                                                                                                               |          |
| ski                       | SKI                                                                                                                                                                                                                                                  |          |
| rrpd                      | PD                                                                                                                                                                                                                                                   |          |
| mt                        | MT                                                                                                                                                                                                                                                   |          |
| xbcchfl                   | NCD                                                                                                                                                                                                                                                  |          |
| rachcp                    | RACHCP                                                                                                                                                                                                                                               |          |
| si2bisroct                | OCTETSTRING [1..4]                                                                                                                                                                                                                                   |          |
| <b>Detailed Comments:</b> | This PDU type is used both for SYSINFO2bis, as well as for 2ter.<br>The 2bis message has an L2 pseudo length of 21 octets and a total length of 23 octets.<br>The 2ter message has an L2 pseudo length of 18 octets and a total length of 23 octets. |          |

| PDU Type Definition       |                                                                                   |          |
|---------------------------|-----------------------------------------------------------------------------------|----------|
| <b>PDU Name:</b>          | SYSINFO3_PDU                                                                      |          |
| <b>PCO Type:</b>          | SAP0_3                                                                            |          |
| <b>Comments:</b>          | RR SYSTEM INFORMATION TYPE3 n -> ms<br>GSM 04.08, 9.1.34                          |          |
| Field Name                | Field Type                                                                        | Comments |
| l2_pl                     | LENGTH                                                                            |          |
| ski                       | SKI                                                                               |          |
| rrpd                      | PD                                                                                |          |
| mt                        | MT                                                                                |          |
| ci                        | CI                                                                                |          |
| lai                       | LAI                                                                               |          |
| ccd                       | CCD                                                                               |          |
| co                        | CO                                                                                |          |
| csp                       | CSP                                                                               |          |
| rachcp                    | RACHCP                                                                            |          |
| si3roct                   | OCTETSTRING [4]                                                                   |          |
| <b>Detailed Comments:</b> | The message has an L2 pseudo length of 18 octets and a total length of 23 octets. |          |

| PDU Type Definition       |                                                          |          |
|---------------------------|----------------------------------------------------------|----------|
| <b>PDU Name:</b>          | SYSINFO4_PDU                                             |          |
| <b>PCO Type:</b>          | SAP0_3                                                   |          |
| <b>Comments:</b>          | RR SYSTEM INFORMATION TYPE4 n -> ms<br>GSM 04.08, 9.1.35 |          |
| Field Name                | Field Type                                               | Comments |
| l2_pl                     | LENGTH                                                   |          |
| ski                       | SKI                                                      |          |
| rrpd                      | PD                                                       |          |
| mt                        | MT                                                       |          |
| lai                       | LAI                                                      |          |
| csp                       | CSP                                                      |          |
| rachcp                    | RACHCP                                                   |          |
| cbchd                     | CHD                                                      |          |
| cbchma                    | MA                                                       |          |
| si4roct                   | OCTETSTRING [1..10]                                      |          |
| <b>Detailed Comments:</b> | The message has a total length of 23 octets.             |          |

| PDU Type Definition       |                                                          |          |
|---------------------------|----------------------------------------------------------|----------|
| <b>PDU Name:</b>          | SYSINFO5_PDU                                             |          |
| <b>PCO Type:</b>          | SAP0_3                                                   |          |
| <b>Comments:</b>          | RR SYSTEM INFORMATION TYPE5 n -> ms<br>GSM 04.08, 9.1.36 |          |
| Field Name                | Field Type                                               | Comments |
| ski                       | SKI                                                      |          |
| rrpd                      | PD                                                       |          |
| mt                        | MT                                                       |          |
| bcchfl                    | NCD                                                      |          |
| <b>Detailed Comments:</b> |                                                          |          |

| PDU Type Definition                                                          |                                                             |          |
|------------------------------------------------------------------------------|-------------------------------------------------------------|----------|
| <b>PDU Name:</b>                                                             | SYSINFO5bis_PDU                                             |          |
| <b>PCO Type:</b>                                                             | SAP0_3                                                      |          |
| <b>Comments:</b>                                                             | RR SYSTEM INFORMATION TYPE5bis n -> ms<br>GSM 04.08, 9.1.37 |          |
| Field Name                                                                   | Field Type                                                  | Comments |
| ski                                                                          | SKI                                                         |          |
| rrpd                                                                         | PD                                                          |          |
| mt                                                                           | MT                                                          |          |
| xbcchfl                                                                      | NCD                                                         |          |
| <b>Detailed Comments:</b> This message type is also used as SYSINFO5ter PDU. |                                                             |          |

| PDU Type Definition       |                                                          |          |
|---------------------------|----------------------------------------------------------|----------|
| <b>PDU Name:</b>          | SYSINFO6_PDU                                             |          |
| <b>PCO Type:</b>          | SAP0_3                                                   |          |
| <b>Comments:</b>          | RR SYSTEM INFORMATION TYPE6 n -> ms<br>GSM 04.08, 9.1.38 |          |
| Field Name                | Field Type                                               | Comments |
| ski                       | SKI                                                      |          |
| rrpd                      | PD                                                       |          |
| mt                        | MT                                                       |          |
| ci                        | CI                                                       |          |
| lai                       | LAI                                                      |          |
| co                        | CO                                                       |          |
| nccp                      | NCCP                                                     |          |
| <b>Detailed Comments:</b> |                                                          |          |

| PDU Type Definition       |                                      |          |
|---------------------------|--------------------------------------|----------|
| <b>PDU Name:</b>          | ABRT_PDU                             |          |
| <b>PCO Type:</b>          | SAP0_3                               |          |
| <b>Comments:</b>          | MM ABORT n -> ms<br>GSM 04.08, 9.2.8 |          |
| Field Name                | Field Type                           | Comments |
| ski                       | SKI                                  |          |
| mmpd                      | PD                                   |          |
| mt                        | MT                                   |          |
| rejcau                    | REJCAU                               |          |
| <b>Detailed Comments:</b> |                                      |          |

| PDU Type Definition       |                                                      |          |
|---------------------------|------------------------------------------------------|----------|
| <b>PDU Name:</b>          | AUTH_REJ_PDU                                         |          |
| <b>PCO Type:</b>          | SAP0_3                                               |          |
| <b>Comments:</b>          | MM AUTHENTICATION REJECT n -> ms<br>GSM 04.08, 9.2.1 |          |
| Field Name                | Field Type                                           | Comments |
| ski                       | SKI                                                  |          |
| mmpd                      | PD                                                   |          |
| mt                        | MT                                                   |          |
| <b>Detailed Comments:</b> |                                                      |          |

| PDU Type Definition       |                                                       |          |
|---------------------------|-------------------------------------------------------|----------|
| <b>PDU Name:</b>          | AUTH_RQ_PDU                                           |          |
| <b>PCO Type:</b>          | SAP0_3                                                |          |
| <b>Comments:</b>          | MM AUTHENTICATION REQUEST n -> ms<br>GSM 04.08, 9.2.2 |          |
| Field Name                | Field Type                                            | Comments |
| ski                       | SKI                                                   |          |
| mmpd                      | PD                                                    |          |
| mt                        | MT                                                    |          |
| shoct                     | SHOCT                                                 |          |
| cphksn                    | CPHKSN                                                |          |
| rand                      | RAND                                                  |          |
| <b>Detailed Comments:</b> |                                                       |          |

| PDU Type Definition       |                                                        |          |
|---------------------------|--------------------------------------------------------|----------|
| <b>PDU Name:</b>          | AUTH_RES_PDU                                           |          |
| <b>PCO Type:</b>          | SAP0_3                                                 |          |
| <b>Comments:</b>          | MM AUTHENTICATION RESPONSE ms -> n<br>GSM 04.08, 9.2.3 |          |
| Field Name                | Field Type                                             | Comments |
| ski                       | SKI                                                    |          |
| mmpd                      | PD                                                     |          |
| mt                        | MT                                                     |          |
| sres                      | SRES                                                   |          |
| <b>Detailed Comments:</b> |                                                        |          |

| PDU Type Definition       |                                                           |          |
|---------------------------|-----------------------------------------------------------|----------|
| <b>PDU Name:</b>          | CMRE_RQ_PDU                                               |          |
| <b>PCO Type:</b>          | SAP0_3                                                    |          |
| <b>Comments:</b>          | MM CM REESTABLISHMENT REQUEST ms -> n<br>GSM 04.08, 9.2.4 |          |
| Field Name                | Field Type                                                | Comments |
| ski                       | SKI                                                       |          |
| mmpd                      | PD                                                        |          |
| mt                        | MT                                                        |          |
| shoct                     | SHOCT                                                     |          |
| cphksn                    | CPHKSN                                                    |          |
| msclm                     | MSCLM2                                                    |          |
| mi                        | MI                                                        |          |
| lai                       | LAI                                                       |          |
| <b>Detailed Comments:</b> |                                                           |          |

| PDU Type Definition       |                                                  |          |
|---------------------------|--------------------------------------------------|----------|
| <b>PDU Name:</b>          | CMS_ACP_PDU                                      |          |
| <b>PCO Type:</b>          | SAP0_3                                           |          |
| <b>Comments:</b>          | MM CM SERVICE ACCEPT n -> ms<br>GSM 04.08, 9.2.5 |          |
| Field Name                | Field Type                                       | Comments |
| ski                       | SKI                                              |          |
| mmpd                      | PD                                               |          |
| mt                        | MT                                               |          |
| <b>Detailed Comments:</b> |                                                  |          |

| PDU Type Definition       |                                                  |          |
|---------------------------|--------------------------------------------------|----------|
| <b>PDU Name:</b>          | CMS_REJ_PDU                                      |          |
| <b>PCO Type:</b>          | SAP0_3                                           |          |
| <b>Comments:</b>          | MM CM SERVICE REJECT n -> ms<br>GSM 04.08, 9.2.6 |          |
| Field Name                | Field Type                                       | Comments |
| ski                       | SKI                                              |          |
| mmpd                      | PD                                               |          |
| mt                        | MT                                               |          |
| mmcau                     | REJCAU                                           |          |
| <b>Detailed Comments:</b> |                                                  |          |

| PDU Type Definition       |                                                   |          |
|---------------------------|---------------------------------------------------|----------|
| <b>PDU Name:</b>          | CMS_RQ_PDU                                        |          |
| <b>PCO Type:</b>          | SAP0_3                                            |          |
| <b>Comments:</b>          | MM CM SERVICE REQUEST ms -> n<br>GSM 04.08, 9.2.9 |          |
| Field Name                | Field Type                                        | Comments |
| ski                       | SKI                                               |          |
| mmpd                      | PD                                                |          |
| mt                        | MT                                                |          |
| cphksn                    | CPHKSN                                            |          |
| svtype                    | CMSVTYPE                                          |          |
| msclm                     | MSCLM2                                            |          |
| mi                        | MI                                                |          |
| <b>Detailed Comments:</b> |                                                   |          |

| PDU Type Definition       |                                                  |          |
|---------------------------|--------------------------------------------------|----------|
| <b>PDU Name:</b>          | ID_RQ_PDU                                        |          |
| <b>PCO Type:</b>          | SAP0_3                                           |          |
| <b>Comments:</b>          | MM IDENTITY REQUEST n -> ms<br>GSM 04.08, 9.2.10 |          |
| Field Name                | Field Type                                       | Comments |
| ski                       | SKI                                              |          |
| mmpd                      | PD                                               |          |
| mt                        | MT                                               |          |
| shoct                     | SHOCT                                            |          |
| idtype                    | IDTYPE                                           |          |
| <b>Detailed Comments:</b> |                                                  |          |



| PDU Type Definition       |                                                   |          |
|---------------------------|---------------------------------------------------|----------|
| <b>PDU Name:</b>          | ID_RES_PDU                                        |          |
| <b>PCO Type:</b>          | SAP0_3                                            |          |
| <b>Comments:</b>          | MM IDENTITY RESPONSE ms -> n<br>GSM 04.08, 9.2.11 |          |
| Field Name                | Field Type                                        | Comments |
| ski                       | SKI                                               |          |
| mmpd                      | PD                                                |          |
| mt                        | MT                                                |          |
| mi                        | MI                                                |          |
| <b>Detailed Comments:</b> |                                                   |          |

| PDU Type Definition       |                                                        |          |
|---------------------------|--------------------------------------------------------|----------|
| <b>PDU Name:</b>          | IMSID_IN_PDU                                           |          |
| <b>PCO Type:</b>          | SAP0_3                                                 |          |
| <b>Comments:</b>          | MM IMSI DETACH INDICATION ms -> n<br>GSM 04.08, 9.2.12 |          |
| Field Name                | Field Type                                             | Comments |
| ski                       | SKI                                                    |          |
| mmpd                      | PD                                                     |          |
| mt                        | MT                                                     |          |
| msclm                     | MSCLM2                                                 |          |
| mi                        | MI                                                     |          |
| <b>Detailed Comments:</b> |                                                        |          |

| PDU Type Definition       |                                                          |          |
|---------------------------|----------------------------------------------------------|----------|
| <b>PDU Name:</b>          | LUP_ACP_PDU                                              |          |
| <b>PCO Type:</b>          | SAP0_3                                                   |          |
| <b>Comments:</b>          | MM LOCATION UPDATING ACCEPT n -> ms<br>GSM 04.08, 9.2.13 |          |
| Field Name                | Field Type                                               | Comments |
| ski                       | SKI                                                      |          |
| mmpd                      | PD                                                       |          |
| mt                        | MT                                                       |          |
| lai                       | LAI                                                      |          |
| mi                        | MI                                                       |          |
| fop                       | IEL_8                                                    |          |
| <b>Detailed Comments:</b> |                                                          |          |

| PDU Type Definition       |                                                          |          |
|---------------------------|----------------------------------------------------------|----------|
| <b>PDU Name:</b>          | LUP_ACP_PDU_ERR                                          |          |
| <b>PCO Type:</b>          | SAP0_3                                                   |          |
| <b>Comments:</b>          | MM LOCATION UPDATING ACCEPT n -> ms<br>GSM 04.08, 9.2.13 |          |
| Field Name                | Field Type                                               | Comments |
| ski                       | SKI                                                      |          |
| mmpd                      | PD                                                       |          |
| mt                        | MT                                                       |          |
| lai                       | LAI                                                      |          |
| mi                        | MI                                                       |          |
| dupmi                     | MI                                                       |          |
| <b>Detailed Comments:</b> |                                                          |          |

| PDU Type Definition       |                                                          |          |
|---------------------------|----------------------------------------------------------|----------|
| <b>PDU Name:</b>          | LUP_REJ_PDU                                              |          |
| <b>PCO Type:</b>          | SAP0_3                                                   |          |
| <b>Comments:</b>          | MM LOCATION UPDATING REJECT n -> ms<br>GSM 04.08, 9.2.14 |          |
| Field Name                | Field Type                                               | Comments |
| ski                       | SKI                                                      |          |
| mmpd                      | PD                                                       |          |
| mt                        | MT                                                       |          |
| rejcau                    | REJCAU                                                   |          |
| <b>Detailed Comments:</b> |                                                          |          |

| PDU Type Definition       |                                                           |          |
|---------------------------|-----------------------------------------------------------|----------|
| <b>PDU Name:</b>          | LUP_RQ_PDU                                                |          |
| <b>PCO Type:</b>          | SAP0_3                                                    |          |
| <b>Comments:</b>          | MM LOCATION UPDATING REQUEST ms -> n<br>GSM 04.08, 9.2.15 |          |
| Field Name                | Field Type                                                | Comments |
| ski                       | SKI                                                       |          |
| mmpd                      | PD                                                        |          |
| mt                        | MT                                                        |          |
| cphksn                    | CPHKS                                                     |          |
| lutype                    | LUT                                                       |          |
| lai                       | LAI                                                       |          |
| msclm                     | MSCLM1                                                    |          |
| mi                        | MI                                                        |          |
| <b>Detailed Comments:</b> |                                                           |          |

| PDU Type Definition       |                                         |          |
|---------------------------|-----------------------------------------|----------|
| <b>PDU Name:</b>          | MMST_PDU                                |          |
| <b>PCO Type:</b>          | SAP0_3                                  |          |
| <b>Comments:</b>          | MM STATUS n <-> ms<br>GSM 04.08, 9.2.16 |          |
| Field Name                | Field Type                              | Comments |
| ski                       | SKI                                     |          |
| mmpd                      | PD                                      |          |
| mt                        | MT                                      |          |
| rejcau                    | REJCAU                                  |          |
| <b>Detailed Comments:</b> |                                         |          |

| PDU Type Definition       |                                                           |          |
|---------------------------|-----------------------------------------------------------|----------|
| <b>PDU Name:</b>          | TMSIRE_CMD_PDU                                            |          |
| <b>PCO Type:</b>          | SAP0_3                                                    |          |
| <b>Comments:</b>          | MM TMSI REALLOCATION COMMAND n -> ms<br>GSM 04.08, 9.2.17 |          |
| Field Name                | Field Type                                                | Comments |
| ski                       | SKI                                                       |          |
| mmpd                      | PD                                                        |          |
| mt                        | MT                                                        |          |
| lai                       | LAI                                                       |          |
| mi                        | MI                                                        |          |
| <b>Detailed Comments:</b> |                                                           |          |

| PDU Type Definition       |                                                            |          |
|---------------------------|------------------------------------------------------------|----------|
| <b>PDU Name:</b>          | TMSIRE_COM_PDU                                             |          |
| <b>PCO Type:</b>          | SAP0_3                                                     |          |
| <b>Comments:</b>          | MM TMSI REALLOCATION COMPLETE ms -> n<br>GSM 04.08, 9.2.18 |          |
| Field Name                | Field Type                                                 | Comments |
| ski                       | SKI                                                        |          |
| mmpd                      | PD                                                         |          |
| mt                        | MT                                                         |          |
| <b>Detailed Comments:</b> |                                                            |          |

| PDU Type Definition       |                                          |          |
|---------------------------|------------------------------------------|----------|
| <b>PDU Name:</b>          | ALERT_PDU                                |          |
| <b>PCO Type:</b>          | SAP0_3                                   |          |
| <b>Comments:</b>          | CC ALERTING ms <-> n<br>GSM 04.08, 9.3.1 |          |
| Field Name                | Field Type                               | Comments |
| ti                        | TI                                       |          |
| ccpd                      | PD                                       |          |
| mt                        | MT                                       |          |
| fie                       | FIE                                      |          |
| pi                        | PI                                       |          |
| uu                        | UU                                       |          |
| ssvi                      | SSVI                                     |          |
| <b>Detailed Comments:</b> |                                          |          |

| PDU Type Definition       |                                               |          |
|---------------------------|-----------------------------------------------|----------|
| <b>PDU Name:</b>          | CALL_CO_PDU                                   |          |
| <b>PCO Type:</b>          | SAP0_3                                        |          |
| <b>Comments:</b>          | CC CALL CONFIRMED ms -> n<br>GSM 04.08, 9.3.2 |          |
| Field Name                | Field Type                                    | Comments |
| ti                        | TI                                            |          |
| ccpd                      | PD                                            |          |
| mt                        | MT                                            |          |
| bcri                      | RPI                                           |          |
| bcap1                     | BCAP                                          |          |
| bcap2                     | BCAP                                          |          |
| cau                       | CAU                                           |          |
| cccap                     | CCCAP                                         |          |
| <b>Detailed Comments:</b> |                                               |          |

| PDU Type Definition       |                                                |          |
|---------------------------|------------------------------------------------|----------|
| <b>PDU Name:</b>          | CALL_PROC_PDU                                  |          |
| <b>PCO Type:</b>          | SAP0_3                                         |          |
| <b>Comments:</b>          | CC CALL PROCEEDING n -> ms<br>GSM 04.08, 9.3.3 |          |
| Field Name                | Field Type                                     | Comments |
| ti                        | TI                                             |          |
| ccpd                      | PD                                             |          |
| mt                        | MT                                             |          |
| bcri                      | RPI                                            |          |
| bcap1                     | BCAP                                           |          |
| bcap2                     | BCAP                                           |          |
| fie                       | FIE                                            |          |
| pi                        | PI                                             |          |
| <b>Detailed Comments:</b> |                                                |          |

| PDU Type Definition       |                                         |          |
|---------------------------|-----------------------------------------|----------|
| <b>PDU Name:</b>          | CONN_PDU                                |          |
| <b>PCO Type:</b>          | SAP0_3                                  |          |
| <b>Comments:</b>          | CC CONNECT n <-> ms<br>GSM 04.08, 9.3.5 |          |
| Field Name                | Field Type                              | Comments |
| ti                        | TI                                      |          |
| ccpd                      | PD                                      |          |
| mt                        | MT                                      |          |
| fie                       | FIE                                     |          |
| pi                        | PI                                      |          |
| cnn                       | CNN                                     |          |
| cns                       | CNS                                     |          |
| uu                        | UU                                      |          |
| ssvi                      | SSVI                                    |          |
| <b>Detailed Comments:</b> |                                         |          |

| PDU Type Definition       |                                                |          |
|---------------------------|------------------------------------------------|----------|
| <b>PDU Name:</b>          | CONN_PDU_ERR                                   |          |
| <b>PCO Type:</b>          | SAP0_3                                         |          |
| <b>Comments:</b>          | CC CONNECT n <-> ms<br>Used as invalid message |          |
| Field Name                | Field Type                                     | Comments |
| ti                        | TI                                             |          |
| ccpd                      | PD                                             |          |
| mt                        | MT                                             |          |
| unknown                   | UNKWN                                          |          |
| <b>Detailed Comments:</b> |                                                |          |

| PDU Type Definition       |                                                     |          |
|---------------------------|-----------------------------------------------------|----------|
| <b>PDU Name:</b>          | CONN_ACK_PDU                                        |          |
| <b>PCO Type:</b>          | SAP0_3                                              |          |
| <b>Comments:</b>          | CC CONNECT ACKNOWLEDGE ms <-> n<br>GSM 04.08, 9.3.6 |          |
| Field Name                | Field Type                                          | Comments |
| ti                        | TI                                                  |          |
| ccpd                      | PD                                                  |          |
| mt                        | MT                                                  |          |
| <b>Detailed Comments:</b> |                                                     |          |

| PDU Type Definition       |                                                              |          |
|---------------------------|--------------------------------------------------------------|----------|
| <b>PDU Name:</b>          | DISC_PDU                                                     |          |
| <b>PCO Type:</b>          | SAP0_3                                                       |          |
| <b>Comments:</b>          | CC DISCONNECT ms <-> n (both directions)<br>GSM 04.08, 9.3.7 |          |
| Field Name                | Field Type                                                   | Comments |
| ti                        | TI                                                           |          |
| ccpd                      | PD                                                           |          |
| mt                        | MT                                                           |          |
| cau                       | CAU                                                          |          |
| fie                       | FIE                                                          |          |
| pi                        | PI                                                           |          |
| uu                        | UU                                                           |          |
| ssvi                      | SSVI                                                         |          |
| <b>Detailed Comments:</b> |                                                              |          |

| PDU Type Definition       |              |          |
|---------------------------|--------------|----------|
| <b>PDU Name:</b>          | DISC_PDU_ERR |          |
| <b>PCO Type:</b>          | SAP0_3       |          |
| <b>Comments:</b>          |              |          |
| Field Name                | Field Type   | Comments |
| ti                        | TI           |          |
| ccpd                      | PD           |          |
| mt                        | MT           |          |
| cau                       | CAU          |          |
| unknown                   | UNKWN        |          |
| <b>Detailed Comments:</b> |              |          |

| PDU Type Definition       |                                                |          |
|---------------------------|------------------------------------------------|----------|
| <b>PDU Name:</b>          | ESETUP_PDU                                     |          |
| <b>PCO Type:</b>          | SAP0_3                                         |          |
| <b>Comments:</b>          | CC EMERGENCY SETUP ms -> n<br>GSM 04.08, 9.3.8 |          |
| Field Name                | Field Type                                     | Comments |
| ti                        | TI                                             |          |
| ccpd                      | PD                                             |          |
| mt                        | MT                                             |          |
| bcap                      | BCAP                                           |          |
| <b>Detailed Comments:</b> |                                                |          |

| PDU Type Definition       |                                          |          |
|---------------------------|------------------------------------------|----------|
| <b>PDU Name:</b>          | FAC_PDU                                  |          |
| <b>PCO Type:</b>          | SAP0_3                                   |          |
| <b>Comments:</b>          | CC FACILITY n <-> ms<br>GSM 04.08, 9.3.9 |          |
| Field Name                | Field Type                               | Comments |
| ti                        | TI                                       |          |
| cc_sspd                   | PD                                       |          |
| mt                        | MT                                       |          |
| fie                       | FIE                                      |          |
| ssvi                      | SSVI                                     |          |
| <b>Detailed Comments:</b> |                                          |          |

| PDU Type Definition       |                                      |          |
|---------------------------|--------------------------------------|----------|
| <b>PDU Name:</b>          | HOLD_PDU                             |          |
| <b>PCO Type:</b>          | SAP0_3                               |          |
| <b>Comments:</b>          | CC HOLD ms -> n<br>GSM 04.08, 9.3.10 |          |
| Field Name                | Field Type                           | Comments |
| ti                        | TI                                   |          |
| ccpd                      | PD                                   |          |
| mt                        | MT                                   |          |
| <b>Detailed Comments:</b> |                                      |          |

| PDU Type Definition       |                                                  |          |
|---------------------------|--------------------------------------------------|----------|
| <b>PDU Name:</b>          | HOLD_ACK_PDU                                     |          |
| <b>PCO Type:</b>          | SAP0_3                                           |          |
| <b>Comments:</b>          | CC HOLD ACKNOWLEDGE n -> ms<br>GSM 04.08, 9.3.11 |          |
| Field Name                | Field Type                                       | Comments |
| ti                        | TI                                               |          |
| ccpd                      | PD                                               |          |
| mt                        | MT                                               |          |
| <b>Detailed Comments:</b> |                                                  |          |

| PDU Type Definition       |                                         |          |
|---------------------------|-----------------------------------------|----------|
| <b>PDU Name:</b>          | MODIFY_PDU                              |          |
| <b>PCO Type:</b>          | SAP0_3                                  |          |
| <b>Comments:</b>          | CC MODIFY ms <-> n<br>GSM 04.08, 9.3.13 |          |
| Field Name                | Field Type                              | Comments |
| ti                        | TI                                      |          |
| ccpd                      | PD                                      |          |
| mt                        | MT                                      |          |
| bcap                      | BCAP                                    |          |
| llcmp                     | LLCMP                                   |          |
| hlcmp                     | HLCMP                                   |          |
| rcsd                      | RCSD                                    |          |
| <b>Detailed Comments:</b> |                                         |          |

| PDU Type Definition       |                                                  |          |
|---------------------------|--------------------------------------------------|----------|
| <b>PDU Name:</b>          | MODIFY_COM_PDU                                   |          |
| <b>PCO Type:</b>          | SAP0_3                                           |          |
| <b>Comments:</b>          | CC MODIFY COMPLETE ms <-> n<br>GSM 04.08, 9.3.14 |          |
| Field Name                | Field Type                                       | Comments |
| ti                        | TI                                               |          |
| ccpd                      | PD                                               |          |
| mt                        | MT                                               |          |
| bcap                      | BCAP                                             |          |
| llcmp                     | LLCMP                                            |          |
| hlcmp                     | HLCMP                                            |          |
| rcsd                      | RCSD                                             |          |
| <b>Detailed Comments:</b> |                                                  |          |

| PDU Type Definition       |                                                |          |
|---------------------------|------------------------------------------------|----------|
| <b>PDU Name:</b>          | MODIFY_REJ_PDU                                 |          |
| <b>PCO Type:</b>          | SAP0_3                                         |          |
| <b>Comments:</b>          | CC MODIFY REJECT ms <-> n<br>GSM 04.08, 9.3.15 |          |
| Field Name                | Field Type                                     | Comments |
| ti                        | TI                                             |          |
| ccpd                      | PD                                             |          |
| mt                        | MT                                             |          |
| bcap                      | BCAP                                           |          |
| cau                       | CAU                                            |          |
| llcmp                     | LLCMP                                          |          |
| hlcmp                     | HLCMP                                          |          |
| <b>Detailed Comments:</b> |                                                |          |

| PDU Type Definition       |                                         |          |
|---------------------------|-----------------------------------------|----------|
| <b>PDU Name:</b>          | NOTIFY_PDU                              |          |
| <b>PCO Type:</b>          | SAP0_3                                  |          |
| <b>Comments:</b>          | CC NOTIFY ms <-> n<br>GSM 04.08, 9.3.16 |          |
| Field Name                | Field Type                              | Comments |
| ti                        | TI                                      |          |
| ccpd                      | PD                                      |          |
| mt                        | MT                                      |          |
| nti                       | NTI                                     |          |
| <b>Detailed Comments:</b> |                                         |          |

| PDU Type Definition       |                                        |          |
|---------------------------|----------------------------------------|----------|
| <b>PDU Name:</b>          | REGISTER_PDU                           |          |
| <b>PCO Type:</b>          | SAP0_3                                 |          |
| <b>Comments:</b>          | SS REGISTER ms <-> n<br>GSM 04.80, 2.4 |          |
| Field Name                | Field Type                             | Comments |
| ti                        | TI                                     |          |
| sspd                      | PD                                     |          |
| mt                        | MT                                     |          |
| fie                       | FIE                                    |          |
| ssvi                      | SSVI                                   |          |
| <b>Detailed Comments:</b> |                                        |          |

| PDU Type Definition       |                                          |          |
|---------------------------|------------------------------------------|----------|
| <b>PDU Name:</b>          | PROG_PDU                                 |          |
| <b>PCO Type:</b>          | SAP0_3                                   |          |
| <b>Comments:</b>          | CC PROGRESS n -> ms<br>GSM 04.08, 9.3.17 |          |
| Field Name                | Field Type                               | Comments |
| ti                        | TI                                       |          |
| ccpd                      | PD                                       |          |
| mt                        | MT                                       |          |
| pi                        | PI                                       |          |
| uu                        | UU                                       |          |
| <b>Detailed Comments:</b> |                                          |          |

| PDU Type Definition       |                                          |          |
|---------------------------|------------------------------------------|----------|
| <b>PDU Name:</b>          | REL_PDU                                  |          |
| <b>PCO Type:</b>          | SAP0_3                                   |          |
| <b>Comments:</b>          | CC RELEASE n <-> ms<br>GSM 04.08, 9.3.18 |          |
| Field Name                | Field Type                               | Comments |
| ti                        | TI                                       |          |
| ccpd                      | PD                                       |          |
| mt                        | MT                                       |          |
| cau                       | CAU                                      |          |
| cau2                      | CAU                                      |          |
| fie                       | FIE                                      |          |
| uu                        | UU                                       |          |
| ssvi                      | SSVI                                     |          |
| <b>Detailed Comments:</b> |                                          |          |

| PDU Type Definition       |                                                                         |          |
|---------------------------|-------------------------------------------------------------------------|----------|
| <b>PDU Name:</b>          | REL_COM_PDU                                                             |          |
| <b>PCO Type:</b>          | SAP0_3                                                                  |          |
| <b>Comments:</b>          | CC or SS RELEASE COMPLETE n <-> ms<br>GSM 04.08, 9.3.19; GSM 04.80, 2.5 |          |
| Field Name                | Field Type                                                              | Comments |
| ti                        | TI                                                                      |          |
| cc_sspd                   | PD                                                                      |          |
| mt                        | MT                                                                      |          |
| cau                       | CAU                                                                     |          |
| fie                       | FIE                                                                     |          |
| uu                        | UU                                                                      |          |
| ssvi                      | SSVI                                                                    |          |
| <b>Detailed Comments:</b> |                                                                         |          |

| PDU Type Definition       |                                         |          |
|---------------------------|-----------------------------------------|----------|
| <b>PDU Name:</b>          | SETUP_MO_PDU                            |          |
| <b>PCO Type:</b>          | SAP0_3                                  |          |
| <b>Comments:</b>          | CC SETUP n <- ms<br>GSM 04.08, 9.3.23.2 |          |
| Field Name                | Field Type                              | Comments |
| ti                        | TI                                      |          |
| ccpd                      | PD                                      |          |
| mt                        | MT                                      |          |
| bcri                      | RPI                                     |          |
| bcap1                     | BCAP                                    |          |
| bcap2                     | BCAP                                    |          |
| fie                       | FIE                                     |          |
| cgps                      | CGPS                                    |          |
| cdpn                      | CDPN                                    |          |
| cdps                      | CDPS                                    |          |
| llcri                     | RPI                                     |          |
| llcmp1                    | LLCMP                                   |          |
| llcmp2                    | LLCMP                                   |          |
| hlcri                     | RPI                                     |          |
| hlcmp1                    | HLCMP                                   |          |
| hlcmp2                    | HLCMP                                   |          |
| uu                        | UU                                      |          |
| ssvi                      | SSVI                                    |          |
| clirsup                   | CLRSUP                                  |          |
| clirin                    | CLRINV                                  |          |
| cccacp                    | CCCACP                                  |          |
| <b>Detailed Comments:</b> |                                         |          |



| PDU Type Definition       |                                         |          |
|---------------------------|-----------------------------------------|----------|
| <b>PDU Name:</b>          | SETUP_MT_PDU                            |          |
| <b>PCO Type:</b>          | SAP0_3                                  |          |
| <b>Comments:</b>          | CC SETUP n -> ms<br>GSM 04.08, 9.3.23.1 |          |
| Field Name                | Field Type                              | Comments |
| ti                        | TI                                      |          |
| ccpd                      | PD                                      |          |
| mt                        | MT                                      |          |
| bcri                      | RPI                                     |          |
| bcap1                     | BCAP                                    |          |
| bcap2                     | BCAP                                    |          |
| fie                       | FIE                                     |          |
| pi                        | PI                                      |          |
| sig                       | SIGNAL                                  |          |
| cgpn                      | CGPN                                    |          |
| cgps                      | CGPS                                    |          |
| cdpn                      | CDPN                                    |          |
| cdps                      | CDPS                                    |          |
| llcri                     | RPI                                     |          |
| llcmp1                    | LLCMP                                   |          |
| llcmp2                    | LLCMP                                   |          |
| hlcri                     | RPI                                     |          |
| hlcmp1                    | HLCMP                                   |          |
| hlcmp2                    | HLCMP                                   |          |
| uu                        | UU                                      |          |
| <b>Detailed Comments:</b> |                                         |          |

| PDU Type Definition       |                                 |          |
|---------------------------|---------------------------------|----------|
| <b>PDU Name:</b>          | SMSCB_PDU                       |          |
| <b>PCO Type:</b>          | SAP0_3                          |          |
| <b>Comments:</b>          | SMSCB message<br>GSM 03.41, 9.3 |          |
| Field Name                | Field Type                      | Comments |
| blocktype                 | BLOCKTYPE                       |          |
| serial_number             | SERIAL_NUMBER                   |          |
| message_id                | OCTETSTRING[2]                  |          |
| dcs                       | TPDCS                           |          |
| page_param                | BITSTRING[8]                    |          |
| message_contents          | OCTETSTRING                     |          |
| <b>Detailed Comments:</b> |                                 |          |

| PDU Type Definition       |                                            |          |
|---------------------------|--------------------------------------------|----------|
| <b>PDU Name:</b>          | START_DTMF_PDU                             |          |
| <b>PCO Type:</b>          | SAP0_3                                     |          |
| <b>Comments:</b>          | CC START DTMF ms -> n<br>GSM 04.08, 9.3.24 |          |
| Field Name                | Field Type                                 | Comments |
| ti                        | TI                                         |          |
| ccpd                      | PD                                         |          |
| mt                        | MT                                         |          |
| kpf                       | KPF                                        |          |
| <b>Detailed Comments:</b> |                                            |          |

| PDU Type Definition       |                                                        |          |
|---------------------------|--------------------------------------------------------|----------|
| <b>PDU Name:</b>          | START_DTMF_ACK_PDU                                     |          |
| <b>PCO Type:</b>          | SAP0_3                                                 |          |
| <b>Comments:</b>          | CC START DTMF ACKNOWLEDGE n -> ms<br>GSM 04.08, 9.3.25 |          |
| Field Name                | Field Type                                             | Comments |
| ti                        | TI                                                     |          |
| ccpd                      | PD                                                     |          |
| mt                        | MT                                                     |          |
| kpf                       | KPF                                                    |          |
| <b>Detailed Comments:</b> |                                                        |          |

| PDU Type Definition       |                                                   |          |
|---------------------------|---------------------------------------------------|----------|
| <b>PDU Name:</b>          | START_DTMF_REJ_PDU                                |          |
| <b>PCO Type:</b>          | SAP0_3                                            |          |
| <b>Comments:</b>          | CC START DTMF REJECT n -> ms<br>GSM 04.08, 9.3.26 |          |
| Field Name                | Field Type                                        | Comments |
| ti                        | TI                                                |          |
| ccpd                      | PD                                                |          |
| mt                        | MT                                                |          |
| cau                       | CAU                                               |          |
| <b>Detailed Comments:</b> |                                                   |          |

| PDU Type Definition       |                                         |          |
|---------------------------|-----------------------------------------|----------|
| <b>PDU Name:</b>          | CCST_PDU                                |          |
| <b>PCO Type:</b>          | SAP0_3                                  |          |
| <b>Comments:</b>          | CC STATUS n <-> ms<br>GSM 04.08, 9.3.27 |          |
| Field Name                | Field Type                              | Comments |
| ti                        | TI                                      |          |
| ccpd                      | PD                                      |          |
| mt                        | MT                                      |          |
| cau                       | CAU                                     |          |
| cst                       | CST                                     |          |
| acst                      | ACST                                    |          |
| <b>Detailed Comments:</b> |                                         |          |

| PDU Type Definition       |                                                 |          |
|---------------------------|-------------------------------------------------|----------|
| <b>PDU Name:</b>          | CCST_ENQ_PDU                                    |          |
| <b>PCO Type:</b>          | SAP0_3                                          |          |
| <b>Comments:</b>          | CC STATUS ENQUIRY ms <-> n<br>GSM 04.08, 9.3.28 |          |
| Field Name                | Field Type                                      | Comments |
| ti                        | TI                                              |          |
| ccpd                      | PD                                              |          |
| mt                        | MT                                              |          |
| <b>Detailed Comments:</b> |                                                 |          |

| PDU Type Definition       |                                           |          |
|---------------------------|-------------------------------------------|----------|
| <b>PDU Name:</b>          | STOP_DTMF_PDU                             |          |
| <b>PCO Type:</b>          | SAP0_3                                    |          |
| <b>Comments:</b>          | CC STOP DTMF ms -> n<br>GSM 04.08, 9.3.29 |          |
| Field Name                | Field Type                                | Comments |
| ti                        | TI                                        |          |
| ccpd                      | PD                                        |          |
| mt                        | MT                                        |          |
| <b>Detailed Comments:</b> |                                           |          |

| PDU Type Definition       |                                                       |          |
|---------------------------|-------------------------------------------------------|----------|
| <b>PDU Name:</b>          | STOP_DTMF_ACK_PDU                                     |          |
| <b>PCO Type:</b>          | SAP0_3                                                |          |
| <b>Comments:</b>          | CC STOP DTMF acknowledge n -> ms<br>GSM 04.08, 9.3.30 |          |
| Field Name                | Field Type                                            | Comments |
| ti                        | TI                                                    |          |
| ccpd                      | PD                                                    |          |
| mt                        | MT                                                    |          |
| <b>Detailed Comments:</b> |                                                       |          |

| PDU Type Definition                                                                                                                                                               |                                          |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------|
| <b>PDU Name:</b>                                                                                                                                                                  | CP_DATA_PDU                              |          |
| <b>PCO Type:</b>                                                                                                                                                                  | SAP0_3                                   |          |
| <b>Comments:</b>                                                                                                                                                                  | SMS CP DATA ms <-> n<br>GSM 04.11, 7.2.1 |          |
| Field Name                                                                                                                                                                        | Field Type                               | Comments |
| ti                                                                                                                                                                                | TI                                       |          |
| smspd                                                                                                                                                                             | PD                                       |          |
| mt                                                                                                                                                                                | MT                                       |          |
| CPdata                                                                                                                                                                            | CPDATA                                   |          |
| <b>Detailed Comments:</b> CPDATA contains RPDU - RP_ACK or RP_ERROR, either returning to the MS in case of MO, or reporting the outcome of a MT messaging attempt in case of MT . |                                          |          |

| PDU Type Definition       |                                                  |          |
|---------------------------|--------------------------------------------------|----------|
| <b>PDU Name:</b>          | CPDATA_ACK_PDU                                   |          |
| <b>PCO Type:</b>          | SAP0_3                                           |          |
| <b>Comments:</b>          | CP DATA ACKNOWLEDGE ms <-> n<br>GSM 04.11, 7.2.2 |          |
| Field Name                | Field Type                                       | Comments |
| ti                        | TI                                               |          |
| smspd                     | PD                                               |          |
| mt                        | MT                                               |          |
| <b>Detailed Comments:</b> |                                                  |          |

| PDU Type Definition       |                                                                                                                                                         |          |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>PDU Name:</b>          | CPERR_PDU                                                                                                                                               |          |
| <b>PCO Type:</b>          | SAP0_3                                                                                                                                                  |          |
| <b>Comments:</b>          | CP_ERROR n <-> ms<br>GSM 04.11, 7.2.3                                                                                                                   |          |
| Field Name                | Field Type                                                                                                                                              | Comments |
| ti                        | TI                                                                                                                                                      |          |
| smspd                     | PD                                                                                                                                                      |          |
| mt                        | MT                                                                                                                                                      |          |
| cp_cause                  | CP_CAU                                                                                                                                                  |          |
| <b>Detailed Comments:</b> | CP_UDAT contains RPDU, RP_ACK or RP_ERROR, either returning to the MS in case of MO, or reporting the outcome of a MT messaging attempt in case of MT . |          |

## Constraints Part

### Test suite type constraint declarations

#### Structured type constraint declarations

| Structured Type Constraint |                                              |          |
|----------------------------|----------------------------------------------|----------|
| <b>Constraint Name:</b>    | Bcap_01                                      |          |
| <b>Structured Type:</b>    | BCAP                                         |          |
| <b>Derivation Path:</b>    |                                              |          |
| <b>Comments:</b>           | speech bearer capability for direction n->ms |          |
| Element Name               | Element Value                                | Comments |
| iei                        | '00000100'B                                  |          |
| iel                        | '01'O                                        |          |
| extb3                      | '1'B                                         |          |
| rchr                       | '01'B                                        |          |
| cs                         | '0'B                                         |          |
| tm                         | '0'B                                         |          |
| itc                        | '000'B                                       |          |
| extb4                      | OMIT                                         |          |
| spb                        | OMIT                                         |          |
| strc                       | OMIT                                         |          |
| dplxm                      | OMIT                                         |          |
| config                     | OMIT                                         |          |
| nirr                       | OMIT                                         |          |
| est                        | OMIT                                         |          |
| extb5                      | OMIT                                         |          |
| accid                      | OMIT                                         |          |
| ra                         | OMIT                                         |          |
| sacp                       | OMIT                                         |          |
| extb6                      | OMIT                                         |          |
| l1id                       | OMIT                                         |          |
| uil1                       | OMIT                                         |          |
| sb                         | OMIT                                         |          |
| extb6a                     | OMIT                                         |          |
| nsb                        | OMIT                                         |          |
| nb                         | OMIT                                         |          |
| ndb                        | OMIT                                         |          |
| ur                         | OMIT                                         |          |
| extb6b                     | OMIT                                         |          |
| ir                         | OMIT                                         |          |
| nictx                      | OMIT                                         |          |
| nicrx                      | OMIT                                         |          |
| pi                         | OMIT                                         |          |
| extb6c                     | OMIT                                         |          |
| ce                         | OMIT                                         |          |
| modemt                     | OMIT                                         |          |
| extb7                      | OMIT                                         |          |
| l2id                       | OMIT                                         |          |
| uil2                       | OMIT                                         |          |
| <b>Detailed Comments:</b>  |                                              |          |

| Structured Type Constraint |                                                              |          |
|----------------------------|--------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Bcap_02                                                      |          |
| <b>Structured Type:</b>    | BCAP                                                         |          |
| <b>Derivation Path:</b>    | Bcap_01.                                                     |          |
| <b>Comments:</b>           | invalid information element, length = 1, arbitrary contents. |          |
| Element Name               | Element Value                                                | Comments |
| iei                        | OMIT                                                         |          |
| iel                        | '01'O                                                        |          |
| extb3                      | '1'B                                                         |          |
| rchr                       | '11'B                                                        |          |
| cs                         | '0'B                                                         |          |
| tm                         | '1'B                                                         |          |
| itc                        | '110'B                                                       |          |
| <b>Detailed Comments:</b>  |                                                              |          |

| Structured Type Constraint |                                                                        |          |
|----------------------------|------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Bcap_Bs2(itc1:B_3; strc1, ra1 :B_2; ur1:B_4; ir1,ce1:B_2; modemt1:B_5) |          |
| <b>Structured Type:</b>    | BCAP                                                                   |          |
| <b>Derivation Path:</b>    |                                                                        |          |
| <b>Comments:</b>           | BS bearer capability for direction n->ms BS 21, .. 26, except BS23     |          |
| Element Name               | Element Value                                                          | Comments |
| iei                        | '00000100'B                                                            |          |
| iel                        | '07'O                                                                  |          |
| extb3                      | '1'B                                                                   |          |
| rchr                       | '01'B                                                                  |          |
| cs                         | '0'B                                                                   |          |
| tm                         | '0'B                                                                   |          |
| itc                        | itc1                                                                   |          |
| extb4                      | '1'B                                                                   |          |
| spb                        | '0'B                                                                   |          |
| strc                       | strc1                                                                  |          |
| dplxm                      | '1'B                                                                   |          |
| config                     | '0'B                                                                   |          |
| nirr                       | '0'B                                                                   |          |
| est                        | '0'B                                                                   |          |
| extb5                      | '1'B                                                                   |          |
| accid                      | '00'B                                                                  |          |
| ra                         | ra1                                                                    |          |
| sacp                       | '001'B                                                                 |          |
| extb6                      | '0'B                                                                   |          |
| l1id                       | '10'B                                                                  |          |
| uil1                       | '0000'B                                                                |          |
| sb                         | '1'B                                                                   |          |
| extb6a                     | '0'B                                                                   |          |
| nsb                        | '0'B                                                                   |          |
| nb                         | '0'B                                                                   |          |
| ndb                        | '1'B                                                                   |          |
| ur                         | ur1                                                                    |          |
| extb6b                     | '0'B                                                                   |          |
| ir                         | ir1                                                                    |          |
| nictx                      | '0'B                                                                   |          |
| nicrx                      | '0'B                                                                   |          |
| pi                         | '011'B                                                                 |          |
| extb6c                     | '1'B                                                                   |          |
| ce                         | ce1                                                                    |          |
| modemt                     | modemt1                                                                |          |
| extb7                      | OMIT                                                                   |          |
| l2id                       | OMIT                                                                   |          |
| uil2                       | OMIT                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                        |          |

| Structured Type Constraint |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Bcap_Bs3(itc1:B_3; strc1, ra1 :B_2; sacp1:B_3; ur1:B_4; ir1,ce1:B_2; modemt1:B_5) |          |
| <b>Structured Type:</b>    | BCAP                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                   |          |
| <b>Comments:</b>           | BS bearer capability for direction n->ms BS 11, .. 34                             |          |
| Element Name               | Element Value                                                                     | Comments |
| iei                        | '00000100'B                                                                       |          |
| iel                        | '07'O                                                                             |          |
| extb3                      | '1'B                                                                              |          |
| rchr                       | '01'B                                                                             |          |
| cs                         | '0'B                                                                              |          |
| tm                         | '0'B                                                                              |          |
| itc                        | itc1                                                                              |          |
| extb4                      | '1'B                                                                              |          |
| spb                        | '0'B                                                                              |          |
| strc                       | strc1                                                                             |          |
| dplxm                      | '1'B                                                                              |          |
| config                     | '0'B                                                                              |          |
| nirr                       | '0'B                                                                              |          |
| est                        | '0'B                                                                              |          |
| extb5                      | '1'B                                                                              |          |
| accid                      | '00'B                                                                             |          |
| ra                         | ra1                                                                               |          |
| sacp                       | sacp1                                                                             |          |
| extb6                      | '0'B                                                                              |          |
| l1id                       | '10'B                                                                             |          |
| uil1                       | '0000'B                                                                           |          |
| sb                         | '0'B                                                                              |          |
| extb6a                     | '0'B                                                                              |          |
| nsb                        | '0'B                                                                              |          |
| nb                         | '0'B                                                                              |          |
| ndb                        | '1'B                                                                              |          |
| ur                         | ur1                                                                               |          |
| extb6b                     | '0'B                                                                              |          |
| ir                         | ir1                                                                               |          |
| nictx                      | '0'B                                                                              |          |
| nicrx                      | '0'B                                                                              |          |
| pi                         | '011'B                                                                            |          |
| extb6c                     | '1'B                                                                              |          |
| ce                         | ce1                                                                               |          |
| modemt                     | modemt1                                                                           |          |
| extb7                      | OMIT                                                                              |          |
| l2id                       | OMIT                                                                              |          |
| uil2                       | OMIT                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| Structured Type Constraint |                                                           |          |
|----------------------------|-----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Bcap_Fax(strc1 :B_2; ur1:B_4; ir1,ce1:B_2)                |          |
| <b>Structured Type:</b>    | BCAP                                                      |          |
| <b>Derivation Path:</b>    |                                                           |          |
| <b>Comments:</b>           | BS bearer capability for direction n->ms Group3 facsimile |          |
| Element Name               | Element Value                                             | Comments |
| iei                        | '00000100'B                                               |          |
| iel                        | '07'O                                                     |          |
| extb3                      | '1'B                                                      |          |
| rchr                       | '01'B                                                     |          |
| cs                         | '0'B                                                      |          |
| tm                         | '0'B                                                      |          |
| itc                        | '011'B                                                    |          |
| extb4                      | '1'B                                                      |          |
| spb                        | '0'B                                                      |          |
| strc                       | strc1                                                     |          |
| dplxm                      | '1'B                                                      |          |
| config                     | '0'B                                                      |          |
| nirr                       | '0'B                                                      |          |
| est                        | '0'B                                                      |          |
| extb5                      | '1'B                                                      |          |
| accid                      | '00'B                                                     |          |
| ra                         | '00'B                                                     |          |
| sacp                       | '001'B                                                    |          |
| extb6                      | '0'B                                                      |          |
| l1id                       | '10'B                                                     |          |
| uil1                       | '0000'B                                                   |          |
| sb                         | '0'B                                                      |          |
| extb6a                     | '0'B                                                      |          |
| nsb                        | '0'B                                                      |          |
| nb                         | '0'B                                                      |          |
| ndb                        | '1'B                                                      |          |
| ur                         | ur1                                                       |          |
| extb6b                     | '0'B                                                      |          |
| ir                         | ir1                                                       |          |
| nictx                      | '0'B                                                      |          |
| nicrx                      | '0'B                                                      |          |
| pi                         | '011'B                                                    |          |
| extb6c                     | '1'B                                                      |          |
| ce                         | ce1                                                       |          |
| modemt                     | '00000'B                                                  |          |
| extb7                      | OMIT                                                      |          |
| l2id                       | OMIT                                                      |          |
| uil2                       | OMIT                                                      |          |
| <b>Detailed Comments:</b>  |                                                           |          |



| <b>Structured Type Constraint</b> |                                              |          |
|-----------------------------------|----------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Speech                                  |          |
| <b>Structured Type:</b>           | BCAP                                         |          |
| <b>Derivation Path:</b>           |                                              |          |
| <b>Comments:</b>                  | speech bearer capability for direction n->ms |          |
| Element Name                      | Element Value                                | Comments |
| iei                               | '00000100'B                                  |          |
| iel                               | '01'O                                        |          |
| extb3                             | '1'B                                         |          |
| rchr                              | '01'B                                        |          |
| cs                                | '0'B                                         |          |
| tm                                | '0'B                                         |          |
| itc                               | '000'B                                       |          |
| extb4                             | OMIT                                         |          |
| spb                               | OMIT                                         |          |
| strc                              | OMIT                                         |          |
| dplxm                             | OMIT                                         |          |
| config                            | OMIT                                         |          |
| nirr                              | OMIT                                         |          |
| est                               | OMIT                                         |          |
| extb5                             | OMIT                                         |          |
| accid                             | OMIT                                         |          |
| ra                                | OMIT                                         |          |
| sacp                              | OMIT                                         |          |
| extb6                             | OMIT                                         |          |
| l1id                              | OMIT                                         |          |
| uil1                              | OMIT                                         |          |
| sb                                | OMIT                                         |          |
| extb6a                            | OMIT                                         |          |
| nsb                               | OMIT                                         |          |
| nb                                | OMIT                                         |          |
| ndb                               | OMIT                                         |          |
| ur                                | OMIT                                         |          |
| extb6b                            | OMIT                                         |          |
| ir                                | OMIT                                         |          |
| nictx                             | OMIT                                         |          |
| nicrx                             | OMIT                                         |          |
| pi                                | OMIT                                         |          |
| extb6c                            | OMIT                                         |          |
| ce                                | OMIT                                         |          |
| modemt                            | OMIT                                         |          |
| extb7                             | OMIT                                         |          |
| l2id                              | OMIT                                         |          |
| uil2                              | OMIT                                         |          |
| <b>Detailed Comments:</b>         |                                              |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Bcap_Setup_B121_300_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| <b>Structured Type:</b>    | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| <b>Comments:</b>           | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.2.1 of GSM 07.01 for the UR 300 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 7 bits<br/>NPB: any valid value.</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.2.1, is not for Setup messages, the rate 300 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Comments |
| iei                        | '0000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| iel                        | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb3                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| rchr                       | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| cs                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| tm                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| itc                        | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb4                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| spb                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| strc                       | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| dplxm                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| config                     | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| nirr                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| est                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb5                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| accid                      | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| ra                         | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| sacp                       | ('001'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb6                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| uil1                       | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb6a                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| nsb                        | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| nb                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| ndb                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| ur                         | '0001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb6b                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| ir                         | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| pi                         | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb6c                     | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| ce                         | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| modemt                     | '00000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb7                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| l2id                       | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| uil2                       | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B121_300_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.2.1 of GSM 07.01 for the UR 300 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 8 bits<br/>NPB: none</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.2.1, is not for Setup messages, the rate 300 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| ra                                | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| sacp                              | ('001'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ur                                | '0001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| modemt                            | '00000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B121_1200_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.2.1 of GSM 07.01 for the UR 1200 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 7 bits<br/>NPB: any valid value.</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.2.1, is not for Setup messages, the rate 1200 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Comments |
| iei                               | '0000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ra                                | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| sacp                              | ('001'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ndb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ur                                | '0010'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| pi                                | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| modemt                            | '00000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B121_1200_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.2.1 of GSM 07.01 for the UR 1200 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 8 bits<br/>NPB: none</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.2.1, is not for Setup messages, the rate 1200 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| ra                                | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| sacp                              | ('001'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ur                                | '0010'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| modemt                            | '00000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Bcap_Setup_B121_2400_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| <b>Structured Type:</b>    | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| <b>Comments:</b>           | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.2.1 of GSM 07.01 for the UR 2400 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 7 bits<br/>NPB: any valid value.</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.2.1, is not for Setup messages, the rate 2400 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Comments |
| iei                        | '00000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| iel                        | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb3                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| rchr                       | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| cs                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| tm                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| itc                        | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb4                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| spb                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| strc                       | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| dplxm                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| config                     | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| nirr                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| est                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb5                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| accid                      | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ra                         | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| sacp                       | ('001'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb6                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| uil1                       | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb6a                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nsb                        | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nb                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ndb                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ur                         | '0011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb6b                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| ir                         | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| pi                         | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb6c                     | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ce                         | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| modemt                     | '00000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb7                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| l2id                       | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| uil2                       | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B121_2400_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.2.1 of GSM 07.01 for the UR 2400 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 8 bits<br/>NPB: none</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.2.1, is not for Setup messages, the rate 2400 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| ra                                | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| sacp                              | ('001'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ur                                | '0011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| modemt                            | '00000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B121_4800_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.2.1 of GSM 07.01 for the UR 4800 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 7 bits<br/>NPB: any valid value.</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.2.1, is not for Setup messages, the rate 4800 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Comments |
| iei                               | '0000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ra                                | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| sacp                              | ('001'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ndb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ur                                | '0100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| pi                                | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| modemt                            | '00000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |



| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B121_4800_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.2.1 of GSM 07.01 for the UR 4800 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 8 bits<br/>NPB: none</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.2.1, is not for Setup messages, the rate 4800 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| ra                                | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| sacp                              | ('001'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ur                                | '0100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| modemt                            | '00000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B121_9600_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.2.1 of GSM 07.01 for the UR 9600 Bits/s. This constraint corresponds to the combination:</p> <p>CE: NT, bothNT, bothT</p> <p>S: SDU</p> <p>UIL2P: ISO 6429</p> <p>NDB: 7 bits</p> <p>NPB: any valid value.</p> <p>The rate 9600 Bit/s can only be achieved with IR 16 kBits/s either using the path with CE: NT or "both" or using the path with CE:T. (See other steps for this table and rate)</p> <p><b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| ra                                | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| sacp                              | ('001'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ndb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ur                                | '0101'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| pi                                | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| modemt                            | '00000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Bcap_Setup_B121_9600_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>           | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.2.1 of GSM 07.01 for the UR 9600 Bits/s. This constraint corresponds to the combination:</p> <p>CE: NT, bothNT, bothT<br/> S: SDU<br/> UIL2P: ISO 6429<br/> NDB: 8 bits<br/> NPB: none</p> <p>The rate 9600 Bit/s can only be achieved with IR 16 kBits/s either using the path with CE: NT or "both" or using the path with CE:T. (See other steps for this table and rate)</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Comments |
| iei                        | '0000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| iel                        | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb3                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| rchr                       | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| cs                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| tm                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| itc                        | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb4                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| spb                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| strc                       | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| dplxm                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| config                     | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| nirr                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| est                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb5                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| accid                      | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| ra                         | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| sacp                       | ('001'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb6                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| uil1                       | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb6a                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nsb                        | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nb                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ndb                        | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ur                         | '0101'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| extb6b                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| ir                         | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| pi                         | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb6c                     | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ce                         | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| modemt                     | '00000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb7                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| l2id                       | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| uil2                       | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Bcap_Setup_B121_9600_3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Structured Type:</b>    | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Comments:</b>           | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.2.1 of GSM 07.01 for the UR 9600 Bits/s. This constraint corresponds to the combination:</p> <p>CE: T<br/> S: unstructured<br/> UIL2P: NAV<br/> NDB: 7 bits<br/> NPB: any valid value.</p> <p>The rate 9600 Bit/s can only be achieved with IR 16 kBits/s either using the path with CE: NT or "both" or using the path with CE:T. (See other steps for this table and rate)</p> <p><b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Comments |
| iei                        | '00000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| iel                        | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| extb3                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| rchr                       | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| cs                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| tm                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| itc                        | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| extb4                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| spb                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| strc                       | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| dplxm                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| config                     | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| nirr                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| est                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb5                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| accid                      | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| ra                         | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| sacp                       | ('001'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb6                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| uil1                       | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb6a                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| nsb                        | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| nb                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| ndb                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| ur                         | '0101'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb6b                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| ir                         | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| pi                         | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| extb6c                     | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| ce                         | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| modemt                     | '00000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| extb7                      | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| l2id                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| uil2                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B121_9600_4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.2.1 of GSM 07.01 for the UR 9600 Bits/s. This constraint corresponds to the combination:</p> <p>CE: T<br/> S: unstructured<br/> UIL2P: NAV<br/> NDB: 8 bits<br/> NPB: none</p> <p>The rate 9600 Bit/s can only be achieved with IR 16 kBits/s either using the path with CE: NT or "both" or using the path with CE:T. (See other steps for this table and rate)</p> <p><b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| strc                              | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| ra                                | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| sacp                              | ('001'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ur                                | '0101'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ce                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| modemt                            | '00000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb7                             | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| l2id                              | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| uil2                              | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Bcap_Setup_B121_120075_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| <b>Comments:</b>           | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.2.1 of GSM 07.01 for the UR 1200/75 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 7 bits<br/>NPB: any valid value.</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.2.1, is not for Setup messages, the rate 1200/75 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Comments |
| iei                        | '0000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| iel                        | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb3                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| rchr                       | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| cs                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| tm                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| itc                        | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb4                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| spb                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| strc                       | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| dplxm                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| config                     | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| nirr                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| est                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb5                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| accid                      | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| ra                         | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| sacp                       | ('001'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb6                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| uil1                       | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb6a                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| nsb                        | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| nb                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| ndb                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| ur                         | '0111'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb6b                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| ir                         | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| pi                         | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb6c                     | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| ce                         | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| modemt                     | '00000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb7                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| l2id                       | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| uil2                       | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B121_120075_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.2.1 of GSM 07.01 for the UR 300 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 8 bits<br/>NPB: none</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.2.1, is not for Setup messages, the rate 1200/75 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| ra                                | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| sacp                              | ('001'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| ur                                | '0111'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| modemt                            | '00000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Bcap_Setup_B122_300_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| <b>Structured Type:</b>    | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| <b>Comments:</b>           | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.2.2 of GSM 07.01 for the UR 300 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 7 bits<br/>NPB: any valid value.</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.2.2, is not for Setup messages, the rate 300 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Comments |
| iei                        | '0000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| iel                        | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb3                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| rchr                       | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| cs                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| tm                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| itc                        | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb4                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| spb                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| strc                       | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| dplxm                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| config                     | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| nirr                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| est                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb5                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| accid                      | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| ra                         | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| sacp                       | ('001'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb6                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| uil1                       | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb6a                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| nsb                        | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| nb                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| ndb                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| ur                         | '0001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb6b                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| ir                         | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| pi                         | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb6c                     | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| ce                         | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| modemt                     | ('00001'B, '01000'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb7                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| l2id                       | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| uil2                       | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |



| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B122_300_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.2.2 of GSM 07.01 for the UR 300 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 8 bits<br/>NPB: none</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.2.2, is not for Setup messages, the rate 300 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Comments |
| iei                               | '0000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| sacp                              | ('001'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ur                                | '0001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| modemt                            | ('00001'B, '01000'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B122_1200_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.2.2 of GSM 07.01 for the UR 1200 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 7 bits<br/>NPB: any valid value.</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.2.2, is not for Setup messages, the rate 1200 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Comments |
| iei                               | '0000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| sacp                              | ('001'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ndb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ur                                | '0010'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| pi                                | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| modemt                            | ('00010'B, '01000'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B122_1200_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.2.2 of GSM 07.01 for the UR 1200 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 8 bits<br/>NPB: none</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.2.2, is not for Setup messages, the rate 1200 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Comments |
| iei                               | '0000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| sacp                              | ('001'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ur                                | '0010'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| modemt                            | ('00010'B, '01000'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B122_2400_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.2.2 of GSM 07.01 for the UR 2400 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 7 bits<br/>NPB: any valid value.</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.2.2, is not for Setup messages, the rate 2400 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Comments |
| iei                               | '0000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| sacp                              | ('001'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ndb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ur                                | '0011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| pi                                | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| modemt                            | ('00011'B, '00101'B, '01000'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B122_2400_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.2.2 of GSM 07.01 for the UR 2400 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 8 bits<br/>NPB: none</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.2.2, is not for Setup messages, the rate 2400 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Comments |
| iei                               | '0000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| sacp                              | ('001'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ur                                | '0011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| modemt                            | ('00011'B, '00101'B, '01000'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B122_4800_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.2.2 of GSM 07.01 for the UR 4800 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 7 bits<br/>NPB: any valid value.</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.2.2, is not for Setup messages, the rate 4800 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Comments |
| iei                               | '0000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| sacp                              | ('001'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ndb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ur                                | '0100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| pi                                | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| modemt                            | ('00110'B, '01000'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B122_4800_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.2.2 of GSM 07.01 for the UR 4800 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 8 bits<br/>NPB: none</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.2.2, is not for Setup messages, the rate 4800 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Comments |
| iei                               | '0000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| sacp                              | ('001'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ur                                | '0100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| modemt                            | ('00110'B, '01000'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B122_9600_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.2.2 of GSM 07.01 for the UR 9600 Bits/s. This constraint corresponds to the combination:</p> <p>CE: NT, bothNT, bothT</p> <p>S: SDU</p> <p>UIL2P: ISO 6429</p> <p>NDB: 7 bits</p> <p>NPB: any valid value.</p> <p>The rate 9600 Bit/s can only be achieved with IR 16 kBits/s either using the path with CE: NT or "both" or using the path with CE:T. (See other steps for this table and rate)</p> <p><b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| sacp                              | ('001'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ndb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ur                                | '0101'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| pi                                | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| modemt                            | ('00110'B, '01000'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |



| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B122_9600_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.2.2 of GSM 07.01 for the UR 9600 Bits/s. This constraint corresponds to the combination:</p> <p>CE: NT, bothNT, bothT<br/> S: SDU<br/> UIL2P: ISO 6429<br/> NDB: 8 bits<br/> NPB: none</p> <p>The rate 9600 Bit/s can only be achieved with IR 16 kBits/s either using the path with CE: NT or "both" or using the path with CE:T. (See other steps for this table and rate)</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Comments |
| iei                               | '0000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| sacp                              | ('001'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ur                                | '0101'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| modemt                            | ('00110'B, '01000'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B122_9600_3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.2.2 of GSM 07.01 for the UR 9600 Bits/s. This constraint corresponds to the combination:</p> <p>CE: T<br/> S: unstructured<br/> UIL2P: NAV<br/> NDB: 7 bits<br/> NPB: any valid value.</p> <p>The rate 9600 Bit/s can only be achieved with IR 16 kBits/s either using the path with CE: NT or "both" or using the path with CE:T. (See other steps for this table and rate)</p> <p><b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| strc                              | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| sacp                              | ('001'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| ndb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| ur                                | '0101'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| pi                                | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| ce                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| modemt                            | '00110'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| extb7                             | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| l2id                              | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| uil2                              | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B122_9600_4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.2.2 of GSM 07.01 for the UR 9600 Bits/s. This constraint corresponds to the combination:</p> <p>CE: T<br/> S: unstructured<br/> UIL2P: NAV<br/> NDB: 8 bits<br/> NPB: none</p> <p>The rate 9600 Bit/s can only be achieved with IR 16 kBits/s either using the path with CE: NT or "both" or using the path with CE:T. (See other steps for this table and rate)</p> <p><b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| strc                              | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| sacp                              | ('001'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ur                                | '0101'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ce                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| modemt                            | '00110'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb7                             | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| l2id                              | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| uil2                              | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Bcap_Setup_B122_120075_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| <b>Comments:</b>           | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.2.2 of GSM 07.01 for the UR 1200/75 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 7 bits<br/>NPB: any valid value.</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.2.2, is not for Setup messages, the rate 1200/75 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Comments |
| iei                        | '0000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| iel                        | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb3                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| rchr                       | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| cs                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| tm                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| itc                        | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb4                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| spb                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| strc                       | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| dplxm                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| config                     | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| nirr                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| est                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb5                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| accid                      | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| ra                         | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| sacp                       | ('001'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb6                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| uil1                       | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb6a                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| nsb                        | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| nb                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| ndb                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| ur                         | '0111'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb6b                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| ir                         | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| pi                         | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb6c                     | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| ce                         | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| modemt                     | ('00100'B, '01000'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb7                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| l2id                       | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| uil2                       | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B122_120075_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.2.2 of GSM 07.01 for the UR 300 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 8 bits<br/>NPB: none</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.2.2, is not for Setup messages, the rate 1200/75 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Comments |
| iei                               | '0000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| sacp                              | ('001'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| ur                                | '0111'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| modemt                            | ('00100'B, '01000'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                           |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Bcap_Setup_B1311_1200                                                                                                                                                                                                                                                                                                     |          |
| <b>Structured Type:</b>    | BCAP                                                                                                                                                                                                                                                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                           |          |
| <b>Comments:</b>           | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.3.1.1 of GSM 07.01.<br/> This constraint corresponds to the combination:<br/> IR: 8 kBits/s<br/> UR: 1.2 kBits/s<br/> <b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                             | Comments |
| iei                        | '00000100'B                                                                                                                                                                                                                                                                                                               |          |
| iel                        | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                  |          |
| extb3                      | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| rchr                       | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                     |          |
| cs                         | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| tm                         | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| itc                        | '001'B                                                                                                                                                                                                                                                                                                                    |          |
| extb4                      | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| spb                        | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| strc                       | '11'B                                                                                                                                                                                                                                                                                                                     |          |
| dplxm                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| config                     | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| nirr                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| est                        | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| extb5                      | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| accid                      | '00'B                                                                                                                                                                                                                                                                                                                     |          |
| ra                         | ('00'B, '01'B, '10'B)                                                                                                                                                                                                                                                                                                     |          |
| sacp                       | ('001'B, '010'B)                                                                                                                                                                                                                                                                                                          |          |
| extb6                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                     |          |
| uil1                       | '0000'B                                                                                                                                                                                                                                                                                                                   |          |
| sb                         | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| extb6a                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| nsb                        | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| nb                         | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| ndb                        | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| ur                         | '0010'B                                                                                                                                                                                                                                                                                                                   |          |
| extb6b                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                     |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| pi                         | '011'B                                                                                                                                                                                                                                                                                                                    |          |
| extb6c                     | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| ce                         | '00'B                                                                                                                                                                                                                                                                                                                     |          |
| modemt                     | '00000'B                                                                                                                                                                                                                                                                                                                  |          |
| extb7                      | OMIT                                                                                                                                                                                                                                                                                                                      |          |
| l2id                       | OMIT                                                                                                                                                                                                                                                                                                                      |          |
| uil2                       | OMIT                                                                                                                                                                                                                                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                                                                                           |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                           |          |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B1311_2400                                                                                                                                                                                                                                                                                                     |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                      |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                           |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.3.1.1 of GSM 07.01.<br/> This constraint corresponds to the combination:<br/> IR: 8 kBits/s<br/> UR: 2.4 kBits/s<br/> <b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                             | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                               |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                  |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                     |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                    |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| strc                              | '11'B                                                                                                                                                                                                                                                                                                                     |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                     |          |
| ra                                | ('00'B, '01'B, '10'B)                                                                                                                                                                                                                                                                                                     |          |
| sacp                              | ('001'B, '010'B)                                                                                                                                                                                                                                                                                                          |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                     |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                   |          |
| sb                                | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| nsb                               | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| ur                                | '0011'B                                                                                                                                                                                                                                                                                                                   |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| ir                                | '10'B                                                                                                                                                                                                                                                                                                                     |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                    |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| ce                                | '00'B                                                                                                                                                                                                                                                                                                                     |          |
| modemt                            | '00000'B                                                                                                                                                                                                                                                                                                                  |          |
| extb7                             | OMIT                                                                                                                                                                                                                                                                                                                      |          |
| l2id                              | OMIT                                                                                                                                                                                                                                                                                                                      |          |
| uil2                              | OMIT                                                                                                                                                                                                                                                                                                                      |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                           |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                           |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Bcap_Setup_B1311_4800                                                                                                                                                                                                                                                                                                     |          |
| <b>Structured Type:</b>    | BCAP                                                                                                                                                                                                                                                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                           |          |
| <b>Comments:</b>           | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.3.1.1 of GSM 07.01.<br/> This constraint corresponds to the combination:<br/> IR: 8 kBits/s<br/> UR: 4.8 kBits/s<br/> <b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                             | Comments |
| iei                        | '00000100'B                                                                                                                                                                                                                                                                                                               |          |
| iel                        | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                  |          |
| extb3                      | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| rchr                       | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                     |          |
| cs                         | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| tm                         | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| itc                        | '001'B                                                                                                                                                                                                                                                                                                                    |          |
| extb4                      | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| spb                        | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| strc                       | '11'B                                                                                                                                                                                                                                                                                                                     |          |
| dplxm                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| config                     | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| nirr                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| est                        | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| extb5                      | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| accid                      | '00'B                                                                                                                                                                                                                                                                                                                     |          |
| ra                         | ('00'B, '01'B, '10'B)                                                                                                                                                                                                                                                                                                     |          |
| sacp                       | ('001'B, '010'B)                                                                                                                                                                                                                                                                                                          |          |
| extb6                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                     |          |
| uil1                       | '0000'B                                                                                                                                                                                                                                                                                                                   |          |
| sb                         | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| extb6a                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| nsb                        | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| nb                         | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| ndb                        | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| ur                         | '0100'B                                                                                                                                                                                                                                                                                                                   |          |
| extb6b                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                     |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| pi                         | '011'B                                                                                                                                                                                                                                                                                                                    |          |
| extb6c                     | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| ce                         | '00'B                                                                                                                                                                                                                                                                                                                     |          |
| modemt                     | '00000'B                                                                                                                                                                                                                                                                                                                  |          |
| extb7                      | OMIT                                                                                                                                                                                                                                                                                                                      |          |
| l2id                       | OMIT                                                                                                                                                                                                                                                                                                                      |          |
| uil2                       | OMIT                                                                                                                                                                                                                                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                                                                                           |          |



| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                            |          |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B1311_9600                                                                                                                                                                                                                                                                                                      |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                       |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                            |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.3.1.1 of GSM 07.01.<br/> This constraint corresponds to the combination:<br/> IR: 16 kBits/s<br/> UR: 9.6 kBits/s<br/> <b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                              | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                   |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                       |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                      |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                       |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                       |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                     |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                       |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                       |          |
| strc                              | '11'B                                                                                                                                                                                                                                                                                                                      |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                               |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                       |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                               |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                       |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                       |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                      |          |
| ra                                | ('00'B, '01'B, '10'B)                                                                                                                                                                                                                                                                                                      |          |
| sacp                              | ('001'B, '010'B)                                                                                                                                                                                                                                                                                                           |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                               |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                      |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                    |          |
| sb                                | '0'B                                                                                                                                                                                                                                                                                                                       |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                               |          |
| nsb                               | '0'B                                                                                                                                                                                                                                                                                                                       |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                       |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                       |          |
| ur                                | '0101'B                                                                                                                                                                                                                                                                                                                    |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                               |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                      |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                               |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                               |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                     |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                       |          |
| ce                                | '00'B                                                                                                                                                                                                                                                                                                                      |          |
| modemt                            | '00000'B                                                                                                                                                                                                                                                                                                                   |          |
| extb7                             | OMIT                                                                                                                                                                                                                                                                                                                       |          |
| l2id                              | OMIT                                                                                                                                                                                                                                                                                                                       |          |
| uil2                              | OMIT                                                                                                                                                                                                                                                                                                                       |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                            |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                        |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Bcap_Setup_B1312_2400                                                                                                                                                                                                                                                                                  |          |
| <b>Structured Type:</b>    | BCAP                                                                                                                                                                                                                                                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                        |          |
| <b>Comments:</b>           | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.3.1.2 of GSM 07.01.<br/> This constraint corresponds to the combination:<br/> UR: 2.4 kBits/s<br/> <b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                          | Comments |
| iei                        | '00000100'B                                                                                                                                                                                                                                                                                            |          |
| iel                        | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                               |          |
| extb3                      | '1'B                                                                                                                                                                                                                                                                                                   |          |
| rchr                       | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                  |          |
| cs                         | '0'B                                                                                                                                                                                                                                                                                                   |          |
| tm                         | '0'B                                                                                                                                                                                                                                                                                                   |          |
| itc                        | '001'B                                                                                                                                                                                                                                                                                                 |          |
| extb4                      | '1'B                                                                                                                                                                                                                                                                                                   |          |
| spb                        | '0'B                                                                                                                                                                                                                                                                                                   |          |
| strc                       | '00'B                                                                                                                                                                                                                                                                                                  |          |
| dplxm                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                           |          |
| config                     | '0'B                                                                                                                                                                                                                                                                                                   |          |
| nirr                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                           |          |
| est                        | '0'B                                                                                                                                                                                                                                                                                                   |          |
| extb5                      | '1'B                                                                                                                                                                                                                                                                                                   |          |
| accid                      | '00'B                                                                                                                                                                                                                                                                                                  |          |
| ra                         | '10'B                                                                                                                                                                                                                                                                                                  |          |
| sacp                       | '110'B                                                                                                                                                                                                                                                                                                 |          |
| extb6                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                           |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                  |          |
| uil1                       | '0000'B                                                                                                                                                                                                                                                                                                |          |
| sb                         | '0'B                                                                                                                                                                                                                                                                                                   |          |
| extb6a                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                           |          |
| nsb                        | '0'B                                                                                                                                                                                                                                                                                                   |          |
| nb                         | '0'B                                                                                                                                                                                                                                                                                                   |          |
| ndb                        | '1'B                                                                                                                                                                                                                                                                                                   |          |
| ur                         | '0011'B                                                                                                                                                                                                                                                                                                |          |
| extb6b                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                           |          |
| ir                         | '11'B                                                                                                                                                                                                                                                                                                  |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                           |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                           |          |
| pi                         | '011'B                                                                                                                                                                                                                                                                                                 |          |
| extb6c                     | '1'B                                                                                                                                                                                                                                                                                                   |          |
| ce                         | '01'B                                                                                                                                                                                                                                                                                                  |          |
| modemt                     | '00000'B                                                                                                                                                                                                                                                                                               |          |
| extb7                      | '1'B                                                                                                                                                                                                                                                                                                   |          |
| l2id                       | '10'B                                                                                                                                                                                                                                                                                                  |          |
| uil2                       | '00110'B                                                                                                                                                                                                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                                                                        |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                        |          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B1312_4800                                                                                                                                                                                                                                                                                  |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                   |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                        |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.3.1.2 of GSM 07.01.<br/> This constraint corresponds to the combination:<br/> UR: 4.8 kBits/s<br/> <b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                          | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                            |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                               |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                   |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                  |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                   |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                   |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                 |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                   |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                   |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                  |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                           |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                   |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                           |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                   |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                   |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                  |          |
| ra                                | '10'B                                                                                                                                                                                                                                                                                                  |          |
| sacp                              | '110'B                                                                                                                                                                                                                                                                                                 |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                           |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                  |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                |          |
| sb                                | '0'B                                                                                                                                                                                                                                                                                                   |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                           |          |
| nsb                               | '0'B                                                                                                                                                                                                                                                                                                   |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                   |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                   |          |
| ur                                | '0100'B                                                                                                                                                                                                                                                                                                |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                           |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                  |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                           |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                           |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                 |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                   |          |
| ce                                | '01'B                                                                                                                                                                                                                                                                                                  |          |
| modemt                            | '00000'B                                                                                                                                                                                                                                                                                               |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                   |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                  |          |
| uil2                              | '00110'B                                                                                                                                                                                                                                                                                               |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                        |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                        |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Bcap_Setup_B1312_9600                                                                                                                                                                                                                                                                                  |          |
| <b>Structured Type:</b>    | BCAP                                                                                                                                                                                                                                                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                        |          |
| <b>Comments:</b>           | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.3.1.2 of GSM 07.01.<br/> This constraint corresponds to the combination:<br/> UR: 9.6 kBits/s<br/> <b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                          | Comments |
| iei                        | '00000100'B                                                                                                                                                                                                                                                                                            |          |
| iel                        | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                               |          |
| extb3                      | '1'B                                                                                                                                                                                                                                                                                                   |          |
| rchr                       | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                  |          |
| cs                         | '0'B                                                                                                                                                                                                                                                                                                   |          |
| tm                         | '0'B                                                                                                                                                                                                                                                                                                   |          |
| itc                        | '001'B                                                                                                                                                                                                                                                                                                 |          |
| extb4                      | '1'B                                                                                                                                                                                                                                                                                                   |          |
| spb                        | '0'B                                                                                                                                                                                                                                                                                                   |          |
| strc                       | '00'B                                                                                                                                                                                                                                                                                                  |          |
| dplxm                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                           |          |
| config                     | '0'B                                                                                                                                                                                                                                                                                                   |          |
| nirr                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                           |          |
| est                        | '0'B                                                                                                                                                                                                                                                                                                   |          |
| extb5                      | '1'B                                                                                                                                                                                                                                                                                                   |          |
| accid                      | '00'B                                                                                                                                                                                                                                                                                                  |          |
| ra                         | '10'B                                                                                                                                                                                                                                                                                                  |          |
| sacp                       | '110'B                                                                                                                                                                                                                                                                                                 |          |
| extb6                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                           |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                  |          |
| uil1                       | '0000'B                                                                                                                                                                                                                                                                                                |          |
| sb                         | '0'B                                                                                                                                                                                                                                                                                                   |          |
| extb6a                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                           |          |
| nsb                        | '0'B                                                                                                                                                                                                                                                                                                   |          |
| nb                         | '0'B                                                                                                                                                                                                                                                                                                   |          |
| ndb                        | '1'B                                                                                                                                                                                                                                                                                                   |          |
| ur                         | '0101'B                                                                                                                                                                                                                                                                                                |          |
| extb6b                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                           |          |
| ir                         | '11'B                                                                                                                                                                                                                                                                                                  |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                           |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                           |          |
| pi                         | '011'B                                                                                                                                                                                                                                                                                                 |          |
| extb6c                     | '1'B                                                                                                                                                                                                                                                                                                   |          |
| ce                         | '01'B                                                                                                                                                                                                                                                                                                  |          |
| modemt                     | '00000'B                                                                                                                                                                                                                                                                                               |          |
| extb7                      | '1'B                                                                                                                                                                                                                                                                                                   |          |
| l2id                       | '10'B                                                                                                                                                                                                                                                                                                  |          |
| uil2                       | '00110'B                                                                                                                                                                                                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                                                                        |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                         |          |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B1321_1200                                                                                                                                                                                                                                                                                                   |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                    |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                         |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.3.2.1 of GSM 07.01.<br/> This constraint corresponds to the combination:<br/> IR: 8 kBit/s<br/> UR: 1.2 kBit/s<br/> <b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                           | Comments |
| iei                               | '0000100'B                                                                                                                                                                                                                                                                                                              |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                    |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                   |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                    |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                    |          |
| itc                               | '010'B                                                                                                                                                                                                                                                                                                                  |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                    |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                    |          |
| strc                              | '11'B                                                                                                                                                                                                                                                                                                                   |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                            |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                    |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                            |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                    |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                    |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                   |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                   |          |
| sacp                              | '001'B                                                                                                                                                                                                                                                                                                                  |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                            |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                   |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                 |          |
| sb                                | '0'B                                                                                                                                                                                                                                                                                                                    |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                            |          |
| nsb                               | '0'B                                                                                                                                                                                                                                                                                                                    |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                    |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                    |          |
| ur                                | '0010'B                                                                                                                                                                                                                                                                                                                 |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                            |          |
| ir                                | '10'B                                                                                                                                                                                                                                                                                                                   |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                            |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                            |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                  |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                    |          |
| ce                                | '00'B                                                                                                                                                                                                                                                                                                                   |          |
| modemt                            | '00010'B                                                                                                                                                                                                                                                                                                                |          |
| extb7                             | OMIT                                                                                                                                                                                                                                                                                                                    |          |
| l2id                              | OMIT                                                                                                                                                                                                                                                                                                                    |          |
| uil2                              | OMIT                                                                                                                                                                                                                                                                                                                    |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                         |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                          |          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B1321_2400                                                                                                                                                                                                                                                                                                    |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                     |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                          |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.3.2.1 of GSM 07.01.<br/> This constraint corresponds to the combination:<br/> IR: 8 kBit/s<br/> UR: 2.4 kBits/s<br/> <b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                            | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                              |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                 |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                     |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                    |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                     |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                     |          |
| itc                               | '010'B                                                                                                                                                                                                                                                                                                                   |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                     |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                     |          |
| strc                              | '11'B                                                                                                                                                                                                                                                                                                                    |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                             |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                     |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                             |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                     |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                     |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                    |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                    |          |
| sacp                              | '001'B                                                                                                                                                                                                                                                                                                                   |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                             |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                    |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                  |          |
| sb                                | '0'B                                                                                                                                                                                                                                                                                                                     |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                             |          |
| nsb                               | '0'B                                                                                                                                                                                                                                                                                                                     |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                     |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                     |          |
| ur                                | '0011'B                                                                                                                                                                                                                                                                                                                  |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                             |          |
| ir                                | '10'B                                                                                                                                                                                                                                                                                                                    |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                             |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                             |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                   |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                     |          |
| ce                                | '00'B                                                                                                                                                                                                                                                                                                                    |          |
| modemt                            | ('00011'B, '00101'B)                                                                                                                                                                                                                                                                                                     |          |
| extb7                             | OMIT                                                                                                                                                                                                                                                                                                                     |          |
| l2id                              | OMIT                                                                                                                                                                                                                                                                                                                     |          |
| uil2                              | OMIT                                                                                                                                                                                                                                                                                                                     |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                          |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                          |          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B1321_4800                                                                                                                                                                                                                                                                                                    |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                     |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                          |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.3.2.1 of GSM 07.01.<br/> This constraint corresponds to the combination:<br/> IR: 8 kBit/s<br/> UR: 4.8 kBits/s<br/> <b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                            | Comments |
| iei                               | '0000100'B                                                                                                                                                                                                                                                                                                               |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                 |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                     |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                    |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                     |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                     |          |
| itc                               | '010'B                                                                                                                                                                                                                                                                                                                   |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                     |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                     |          |
| strc                              | '11'B                                                                                                                                                                                                                                                                                                                    |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                             |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                     |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                             |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                     |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                     |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                    |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                    |          |
| sacp                              | '001'B                                                                                                                                                                                                                                                                                                                   |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                             |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                    |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                  |          |
| sb                                | '0'B                                                                                                                                                                                                                                                                                                                     |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                             |          |
| nsb                               | '0'B                                                                                                                                                                                                                                                                                                                     |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                     |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                     |          |
| ur                                | '0100'B                                                                                                                                                                                                                                                                                                                  |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                             |          |
| ir                                | '10'B                                                                                                                                                                                                                                                                                                                    |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                             |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                             |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                   |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                     |          |
| ce                                | '00'B                                                                                                                                                                                                                                                                                                                    |          |
| modemt                            | '00110'B                                                                                                                                                                                                                                                                                                                 |          |
| extb7                             | OMIT                                                                                                                                                                                                                                                                                                                     |          |
| l2id                              | OMIT                                                                                                                                                                                                                                                                                                                     |          |
| uil2                              | OMIT                                                                                                                                                                                                                                                                                                                     |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                          |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                            |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Bcap_Setup_B1321_9600                                                                                                                                                                                                                                                                                                      |          |
| <b>Structured Type:</b>    | BCAP                                                                                                                                                                                                                                                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                            |          |
| <b>Comments:</b>           | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.3.2.1 of GSM 07.01.<br/> This constraint corresponds to the combination:<br/> IR: 16 kBits/s<br/> UR: 9.6 kBits/s<br/> <b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                              | Comments |
| iei                        | '00000100'B                                                                                                                                                                                                                                                                                                                |          |
| iel                        | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                   |          |
| extb3                      | '1'B                                                                                                                                                                                                                                                                                                                       |          |
| rchr                       | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                      |          |
| cs                         | '0'B                                                                                                                                                                                                                                                                                                                       |          |
| tm                         | '0'B                                                                                                                                                                                                                                                                                                                       |          |
| itc                        | '010'B                                                                                                                                                                                                                                                                                                                     |          |
| extb4                      | '1'B                                                                                                                                                                                                                                                                                                                       |          |
| spb                        | '0'B                                                                                                                                                                                                                                                                                                                       |          |
| strc                       | '11'B                                                                                                                                                                                                                                                                                                                      |          |
| dplxm                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                               |          |
| config                     | '0'B                                                                                                                                                                                                                                                                                                                       |          |
| nirr                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                               |          |
| est                        | '0'B                                                                                                                                                                                                                                                                                                                       |          |
| extb5                      | '1'B                                                                                                                                                                                                                                                                                                                       |          |
| accid                      | '00'B                                                                                                                                                                                                                                                                                                                      |          |
| ra                         | '00'B                                                                                                                                                                                                                                                                                                                      |          |
| sacp                       | '001'B                                                                                                                                                                                                                                                                                                                     |          |
| extb6                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                               |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                      |          |
| uil1                       | '0000'B                                                                                                                                                                                                                                                                                                                    |          |
| sb                         | '0'B                                                                                                                                                                                                                                                                                                                       |          |
| extb6a                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                               |          |
| nsb                        | '0'B                                                                                                                                                                                                                                                                                                                       |          |
| nb                         | '0'B                                                                                                                                                                                                                                                                                                                       |          |
| ndb                        | '1'B                                                                                                                                                                                                                                                                                                                       |          |
| ur                         | '0101'B                                                                                                                                                                                                                                                                                                                    |          |
| extb6b                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                               |          |
| ir                         | '11'B                                                                                                                                                                                                                                                                                                                      |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                               |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                               |          |
| pi                         | '011'B                                                                                                                                                                                                                                                                                                                     |          |
| extb6c                     | '1'B                                                                                                                                                                                                                                                                                                                       |          |
| ce                         | '00'B                                                                                                                                                                                                                                                                                                                      |          |
| modemt                     | '00110'B                                                                                                                                                                                                                                                                                                                   |          |
| extb7                      | OMIT                                                                                                                                                                                                                                                                                                                       |          |
| l2id                       | OMIT                                                                                                                                                                                                                                                                                                                       |          |
| uil2                       | OMIT                                                                                                                                                                                                                                                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                                                                                            |          |



| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                          |          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B1322_2400                                                                                                                                                                                                                                                                                                                                                    |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                     |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                          |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.3.2.2 of GSM 07.01.<br/> This constraint corresponds to the combination:<br/> CE: NT or "both"<br/> S: SDU<br/> UIL2P: X.25<br/> IR: 16 kBits/s<br/> UR: 2.4 kBits/s</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                            | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                              |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                 |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                    |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| itc                               | '010'B                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                    |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                             |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                             |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                    |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                    |          |
| sacp                              | '110'B                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                             |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                    |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                  |          |
| sb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                             |          |
| nsb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| ur                                | '0011'B                                                                                                                                                                                                                                                                                                                                                                  |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                             |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                    |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                             |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                             |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                    |          |
| modemt                            | ('00011'B, '00101'B)                                                                                                                                                                                                                                                                                                                                                     |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                    |          |
| uil2                              | '00110'B                                                                                                                                                                                                                                                                                                                                                                 |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                          |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                          |          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B1322_4800                                                                                                                                                                                                                                                                                                                                                    |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                     |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                          |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.3.2.2 of GSM 07.01.<br/> This constraint corresponds to the combination:<br/> CE: NT or "both"<br/> S: SDU<br/> UIL2P: X.25<br/> IR: 16 kBits/s<br/> UR: 4.8 kBits/s</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                            | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                              |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                 |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                    |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| itc                               | '010'B                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                    |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                             |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                             |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                    |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                    |          |
| sacp                              | '110'B                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                             |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                    |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                  |          |
| sb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                             |          |
| nsb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| ur                                | '0100'B                                                                                                                                                                                                                                                                                                                                                                  |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                             |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                    |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                             |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                             |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                    |          |
| modemt                            | '00110'B                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                    |          |
| uil2                              | '00110'B                                                                                                                                                                                                                                                                                                                                                                 |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                          |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                          |          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B1322_9600_1                                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                     |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                          |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.3.2.2 of GSM 07.01.<br/> This constraint corresponds to the combination:<br/> CE: NT or "both"<br/> S: SDU<br/> UIL2P: X.25<br/> IR: 16 kBits/s<br/> UR: 9.6 kBits/s</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                            | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                              |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                 |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                    |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| itc                               | '010'B                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                    |          |
| dplx                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                             |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                             |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                    |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                    |          |
| sacp                              | '110'B                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                             |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                    |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                  |          |
| sb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                             |          |
| nsb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| ur                                | '0101'B                                                                                                                                                                                                                                                                                                                                                                  |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                             |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                    |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                             |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                             |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                    |          |
| modemt                            | '00110'B                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                    |          |
| uil2                              | '00110'B                                                                                                                                                                                                                                                                                                                                                                 |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                          |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                            |          |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B1322_9600_2                                                                                                                                                                                                                                                                                                                                                    |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                       |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                            |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.3.2.2 of GSM 07.01. This constraint corresponds to the combination:</p> <p>CE: T</p> <p>S: unstructured</p> <p>UIL2P: NAV</p> <p>IR: 16 kBits/s</p> <p>UR: 9.6 kBits/s</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                              | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                                |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                   |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                       |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                      |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                       |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                       |          |
| itc                               | '010'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                       |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                       |          |
| strc                              | '11'B                                                                                                                                                                                                                                                                                                                                                                      |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                               |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                       |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                               |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                       |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                      |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                      |          |
| sacp                              | '110'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                               |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                      |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                    |          |
| sb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                               |          |
| nsb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                       |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                       |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                       |          |
| ur                                | '0101'B                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                               |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                      |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                               |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                               |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                       |          |
| ce                                | '00'B                                                                                                                                                                                                                                                                                                                                                                      |          |
| modemt                            | '00110'B                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb7                             | OMIT                                                                                                                                                                                                                                                                                                                                                                       |          |
| l2id                              | OMIT                                                                                                                                                                                                                                                                                                                                                                       |          |
| uil2                              | OMIT                                                                                                                                                                                                                                                                                                                                                                       |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                            |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B14_300_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.4 of GSM 07.01 for the UR 300 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 7 bits<br/>           NPB: any valid value but "none".</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.4, is not for Setup messages, the rate 300 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ra                                | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| sacp                              | '100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ndb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ur                                | '0001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| pi                                | ('000'B, '010'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| modemt                            | '00000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Bcap_Setup_B14_300_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| <b>Structured Type:</b>    | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| <b>Comments:</b>           | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.4 of GSM 07.01 for the UR 300 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 8 bits<br/>NPB: none</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.4, is not for Setup messages, the rate 300 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Comments |
| iei                        | '00000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| iel                        | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb3                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| rchr                       | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| cs                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| tm                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| itc                        | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb4                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| spb                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| strc                       | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| dplxm                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| config                     | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| nirr                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| est                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb5                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| accid                      | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| ra                         | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| sacp                       | '100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb6                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| uil1                       | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb6a                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| nsb                        | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| nb                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| ndb                        | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| ur                         | '0001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb6b                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| ir                         | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| pi                         | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb6c                     | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| ce                         | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| modemt                     | '00000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb7                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| l2id                       | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| uil2                       | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Bcap_Setup_B14_1200_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| <b>Structured Type:</b>    | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| <b>Comments:</b>           | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.4 of GSM 07.01 for the UR 1200 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 7 bits<br/>           NPB: any valid value but "none".</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.4, is not for Setup messages, the rate 1200 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Comments |
| iei                        | '00000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| iel                        | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb3                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| rchr                       | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| cs                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| tm                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| itc                        | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb4                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| spb                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| strc                       | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| dplxm                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| config                     | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| nirr                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| est                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb5                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| accid                      | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| ra                         | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| sacp                       | '100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb6                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| uil1                       | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb6a                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nsb                        | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nb                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ndb                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ur                         | '0010'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb6b                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| ir                         | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| pi                         | ('000'B, '010'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb6c                     | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ce                         | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| modemt                     | '00000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb7                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| l2id                       | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| uil2                       | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B14_1200_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.4 of GSM 07.01 for the UR 1200 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 8 bits<br/>NPB: none</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.4, is not for Setup messages, the rate 1200 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Comments |
| iei                               | '0000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ra                                | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| sacp                              | '100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ur                                | '0010'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| modemt                            | '00000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |



| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B14_2400_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.4 of GSM 07.01 for the UR 2400 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 7 bits<br/>           NPB: any valid value but "none".</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.4, is not for Setup messages, the rate 2400 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| ra                                | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| sacp                              | '100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ndb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ur                                | '0011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| pi                                | ('000'B, '010'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| modemt                            | '00000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B14_2400_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.4 of GSM 07.01 for the UR 2400 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 8 bits<br/>NPB: none</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.4, is not for Setup messages, the rate 2400 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ra                                | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| sacp                              | '100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ur                                | '0011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| modemt                            | '00000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B14_4800_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.4 of GSM 07.01 for the UR 4800 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 7 bits<br/>NPB: any valid value.</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.4, is not for Setup messages, the rate 4800 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| ra                                | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| sacp                              | '100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| ndb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| ur                                | '0100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| pi                                | ('000'B, '010'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| modemt                            | '00000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B14_4800_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.4 of GSM 07.01 for the UR 4800 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 8 bits<br/>NPB: none</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.4, is not for Setup messages, the rate 4800 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p><b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Comments |
| iei                               | '0000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| ra                                | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| sacp                              | '100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| ur                                | '0100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| modemt                            | '00000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B14_9600_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.4 of GSM 07.01 for the UR 9600 Bits/s. This constraint corresponds to the combination:</p> <p>CE: NT, bothNT, bothT</p> <p>S: SDU</p> <p>UIL2P: ISO 6429</p> <p>NDB: 7 bits</p> <p>NPB: any valid value but "none".</p> <p>The rate 9600 Bit/s can only be achieved with IR 16 kBits/s either using the path with CE: NT or "both" or using the path with CE:T. (See other steps for this table and rate)</p> <p><b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Comments |
| iei                               | '0000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| ra                                | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| sacp                              | '100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| ndb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| ur                                | '0101'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| pi                                | ('000'B, '010'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| modemt                            | '00000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B14_9600_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.4 of GSM 07.01 for the UR 9600 Bits/s. This constraint corresponds to the combination:</p> <p>CE: NT, bothNT, bothT</p> <p>S: SDU</p> <p>UIL2P: ISO 6429</p> <p>NDB: 8 bits</p> <p>NPB: none</p> <p>The rate 9600 Bit/s can only be achieved with IR 16 kBits/s either using the path with CE: NT or "both" or using the path with CE:T. (See other steps for this table and rate)</p> <p><b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ra                                | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| sacp                              | '100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| ur                                | '0101'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| modemt                            | '00000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B14_9600_3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.4 of GSM 07.01 for the UR 9600 Bits/s. This constraint corresponds to the combination:</p> <p>CE: T<br/> S: unstructured<br/> UIL2P: NAV<br/> NDB: 7 bits<br/> NPB: any valid value but "none".</p> <p>The rate 9600 Bit/s can only be achieved with IR 16 kBits/s either using the path with CE: NT or "both" or using the path with CE:T. (See other steps for this table and rate)</p> <p><b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| strc                              | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| ra                                | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| sacp                              | '100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ndb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ur                                | '0101'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| pi                                | ('000'B, '010'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ce                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| modemt                            | '00000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb7                             | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| l2id                              | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| uil2                              | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B14_9600_4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.4 of GSM 07.01 for the UR 9600 Bits/s. This constraint corresponds to the combination:</p> <p>CE: T<br/> S: unstructured<br/> UIL2P: NAV<br/> NDB: 8 bits<br/> NPB: none</p> <p>The rate 9600 Bit/s can only be achieved with IR 16 kBits/s either using the path with CE: NT or "both" or using the path with CE:T. (See other steps for this table and rate)</p> <p><b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| strc                              | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| ra                                | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| sacp                              | '100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| ur                                | '0101'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| ce                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| modemt                            | '00000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| extb7                             | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| l2id                              | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| uil2                              | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |



| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B14_120075_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.4 of GSM 07.01 for the UR 1200/75 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 7 bits<br/>NPB: any valid value but "none".</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.4, is not for Setup messages, the rate 1200/75 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| ra                                | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| sacp                              | '100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| ndb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| ur                                | '0111'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| pi                                | ('000'B, '010'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| modemt                            | '00000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B14_120075_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.4 of GSM 07.01 for the UR 300 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 8 bits<br/>NPB: none</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.4, is not for Setup messages, the rate 1200/75 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| ra                                | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| sacp                              | '100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ur                                | '0111'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| modemt                            | '00000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                            |          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B15_2400                                                                                                                                                                                                                                                                        |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                       |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                            |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.5 of GSM 07.01. This constraint corresponds to the combination:</p> <p>UR: 2.4 kBits/s</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                              | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                   |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                       |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                      |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                       |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                       |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                     |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                       |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                       |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                      |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                               |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                       |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                               |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                       |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                       |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                      |          |
| ra                                | '10'B                                                                                                                                                                                                                                                                                      |          |
| sacp                              | '110'B                                                                                                                                                                                                                                                                                     |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                               |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                      |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                    |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                       |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                               |          |
| nsb                               | '0'B                                                                                                                                                                                                                                                                                       |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                       |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                       |          |
| ur                                | '0011'B                                                                                                                                                                                                                                                                                    |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                               |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                      |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                               |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                               |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                     |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                       |          |
| ce                                | '01'B                                                                                                                                                                                                                                                                                      |          |
| modemt                            | '00000'B                                                                                                                                                                                                                                                                                   |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                       |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                      |          |
| uil2                              | '00110'B                                                                                                                                                                                                                                                                                   |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                            |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Bcap_Setup_B15_4800                                                                                                                                                                                                                                                                        |          |
| <b>Structured Type:</b>    | BCAP                                                                                                                                                                                                                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                            |          |
| <b>Comments:</b>           | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.5 of GSM 07.01. This constraint corresponds to the combination:</p> <p>UR: 4.8 kBits/s</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                              | Comments |
| iei                        | '00000100'B                                                                                                                                                                                                                                                                                |          |
| iel                        | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                   |          |
| extb3                      | '1'B                                                                                                                                                                                                                                                                                       |          |
| rchr                       | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                      |          |
| cs                         | '0'B                                                                                                                                                                                                                                                                                       |          |
| tm                         | '0'B                                                                                                                                                                                                                                                                                       |          |
| itc                        | '001'B                                                                                                                                                                                                                                                                                     |          |
| extb4                      | '1'B                                                                                                                                                                                                                                                                                       |          |
| spb                        | '0'B                                                                                                                                                                                                                                                                                       |          |
| strc                       | '00'B                                                                                                                                                                                                                                                                                      |          |
| dplxm                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                               |          |
| config                     | '0'B                                                                                                                                                                                                                                                                                       |          |
| nirr                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                               |          |
| est                        | '0'B                                                                                                                                                                                                                                                                                       |          |
| extb5                      | '1'B                                                                                                                                                                                                                                                                                       |          |
| accid                      | '00'B                                                                                                                                                                                                                                                                                      |          |
| ra                         | '10'B                                                                                                                                                                                                                                                                                      |          |
| sacp                       | '110'B                                                                                                                                                                                                                                                                                     |          |
| extb6                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                               |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                      |          |
| uil1                       | '0000'B                                                                                                                                                                                                                                                                                    |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                       |          |
| extb6a                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                               |          |
| nsb                        | '0'B                                                                                                                                                                                                                                                                                       |          |
| nb                         | '0'B                                                                                                                                                                                                                                                                                       |          |
| ndb                        | '1'B                                                                                                                                                                                                                                                                                       |          |
| ur                         | '0100'B                                                                                                                                                                                                                                                                                    |          |
| extb6b                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                               |          |
| ir                         | '11'B                                                                                                                                                                                                                                                                                      |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                               |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                               |          |
| pi                         | '011'B                                                                                                                                                                                                                                                                                     |          |
| extb6c                     | '1'B                                                                                                                                                                                                                                                                                       |          |
| ce                         | '01'B                                                                                                                                                                                                                                                                                      |          |
| modemt                     | '00000'B                                                                                                                                                                                                                                                                                   |          |
| extb7                      | '1'B                                                                                                                                                                                                                                                                                       |          |
| l2id                       | '10'B                                                                                                                                                                                                                                                                                      |          |
| uil2                       | '00110'B                                                                                                                                                                                                                                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                                                            |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                            |          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B15_9600                                                                                                                                                                                                                                                                        |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                       |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                            |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.5 of GSM 07.01. This constraint corresponds to the combination:</p> <p>UR: 9.6 kBits/s</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                              | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                   |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                       |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                      |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                       |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                       |          |
| itc                               | '001'B                                                                                                                                                                                                                                                                                     |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                       |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                       |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                      |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                               |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                       |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                               |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                       |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                       |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                      |          |
| ra                                | '10'B                                                                                                                                                                                                                                                                                      |          |
| sacp                              | '110'B                                                                                                                                                                                                                                                                                     |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                               |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                      |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                    |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                       |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                               |          |
| nsb                               | '0'B                                                                                                                                                                                                                                                                                       |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                       |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                       |          |
| ur                                | '0101'B                                                                                                                                                                                                                                                                                    |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                               |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                      |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                               |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                               |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                     |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                       |          |
| ce                                | '01'B                                                                                                                                                                                                                                                                                      |          |
| modemt                            | '00000'B                                                                                                                                                                                                                                                                                   |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                       |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                      |          |
| uil2                              | '00110'B                                                                                                                                                                                                                                                                                   |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                            |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                            |          |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B161                                                                                                                                                                                            |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                       |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                            |          |
| <b>Comments:</b>                  | To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.6.1 of GSM 07.01.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO! |          |
| Element Name                      | Element Value                                                                                                                                                                                              | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                |          |
| iel                               | '01'O                                                                                                                                                                                                      |          |
| extb3                             | '1'B                                                                                                                                                                                                       |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                      |          |
| cs                                | '0'B                                                                                                                                                                                                       |          |
| tm                                | '0'B                                                                                                                                                                                                       |          |
| itc                               | '000'B                                                                                                                                                                                                     |          |
| extb4                             | OMIT                                                                                                                                                                                                       |          |
| spb                               | OMIT                                                                                                                                                                                                       |          |
| strc                              | OMIT                                                                                                                                                                                                       |          |
| dplxm                             | OMIT                                                                                                                                                                                                       |          |
| config                            | OMIT                                                                                                                                                                                                       |          |
| nirr                              | OMIT                                                                                                                                                                                                       |          |
| est                               | OMIT                                                                                                                                                                                                       |          |
| extb5                             | OMIT                                                                                                                                                                                                       |          |
| accid                             | OMIT                                                                                                                                                                                                       |          |
| ra                                | OMIT                                                                                                                                                                                                       |          |
| sacp                              | OMIT                                                                                                                                                                                                       |          |
| extb6                             | OMIT                                                                                                                                                                                                       |          |
| l1id                              | OMIT                                                                                                                                                                                                       |          |
| uil1                              | OMIT                                                                                                                                                                                                       |          |
| sb                                | OMIT                                                                                                                                                                                                       |          |
| extb6a                            | OMIT                                                                                                                                                                                                       |          |
| nsb                               | OMIT                                                                                                                                                                                                       |          |
| nb                                | OMIT                                                                                                                                                                                                       |          |
| ndb                               | OMIT                                                                                                                                                                                                       |          |
| ur                                | OMIT                                                                                                                                                                                                       |          |
| extb6b                            | OMIT                                                                                                                                                                                                       |          |
| ir                                | OMIT                                                                                                                                                                                                       |          |
| nictx                             | OMIT                                                                                                                                                                                                       |          |
| nicrx                             | OMIT                                                                                                                                                                                                       |          |
| pi                                | OMIT                                                                                                                                                                                                       |          |
| extb6c                            | OMIT                                                                                                                                                                                                       |          |
| ce                                | OMIT                                                                                                                                                                                                       |          |
| modemt                            | OMIT                                                                                                                                                                                                       |          |
| extb7                             | OMIT                                                                                                                                                                                                       |          |
| l2id                              | OMIT                                                                                                                                                                                                       |          |
| uil2                              | OMIT                                                                                                                                                                                                       |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                            |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B1621_300_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.6.2.1 of GSM 07.01 for the UR 300 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 7 bits<br/>NPB: any valid value.</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.6.2.1, is not for Setup messages, the rate 300 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| itc                               | '010'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| sacp                              | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ndb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ur                                | '0001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| pi                                | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| modemt                            | ('00001'B, '01000'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Bcap_Setup_B1621_300_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| <b>Structured Type:</b>    | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| <b>Comments:</b>           | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.6.2.1 of GSM 07.01 for the UR 300 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 8 bits<br/>NPB: none</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.6.2.1, is not for Setup messages, the rate 300 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Comments |
| iei                        | '0000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| iel                        | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb3                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| rchr                       | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| cs                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| tm                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| itc                        | '010'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb4                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| spb                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| strc                       | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| dplxm                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| config                     | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| nirr                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| est                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb5                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| accid                      | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| ra                         | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| sacp                       | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb6                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| uil1                       | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb6a                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| nsb                        | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| nb                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| ndb                        | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| ur                         | '0001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb6b                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| ir                         | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| pi                         | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb6c                     | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| ce                         | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| modemt                     | ('00001'B, '01000'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb7                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| l2id                       | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| uil2                       | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |



| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B1621_1200_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.6.2.1 of GSM 07.01 for the UR 1200 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 7 bits<br/>NPB: any valid value.</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.6.2.1, is not for Setup messages, the rate 1200 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| itc                               | '010'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| sacp                              | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ndb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ur                                | '0010'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| pi                                | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| modemt                            | ('00010'B, '01000'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B1621_1200_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.6.2.1 of GSM 07.01 for the UR 1200 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 8 bits<br/>NPB: none</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.6.2.1, is not for Setup messages, the rate 1200 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Comments |
| iei                               | '0000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| itc                               | '010'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| sacp                              | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| ur                                | '0010'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| modemt                            | ('00010'B, '01000'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B1621_2400_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.6.2.1 of GSM 07.01 for the UR 2400 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 7 bits<br/>NPB: any valid value.</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.6.2.1, is not for Setup messages, the rate 2400 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Comments |
| iei                               | '0000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| itc                               | '010'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| sacp                              | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ndb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ur                                | '0011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| pi                                | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| modemt                            | ('00011'B, '00101'B, '01000'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B1621_2400_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.6.2.1 of GSM 07.01 for the UR 2400 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 8 bits<br/>NPB: none</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.6.2.1, is not for Setup messages, the rate 2400 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Comments |
| iei                               | '0000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| itc                               | '010'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| sacp                              | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| ur                                | '0011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| modemt                            | ('00011'B, '00101'B, '01000'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B1621_4800_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.6.2.1 of GSM 07.01 for the UR 4800 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 7 bits<br/>NPB: any valid value.</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.6.2.1, is not for Setup messages, the rate 4800 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Comments |
| iei                               | '0000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| itc                               | '010'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| sacp                              | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ndb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ur                                | '0100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| pi                                | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| modemt                            | ('00110'B, '01000'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B1621_4800_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.6.2.1 of GSM 07.01 for the UR 4800 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 8 bits<br/>NPB: none</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.6.2.1, is not for Setup messages, the rate 4800 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p><b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Comments |
| iei                               | '0000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| itc                               | '010'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| sacp                              | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ur                                | '0100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| modemt                            | ('00110'B, '01000'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B1621_9600_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.6.2.1 of GSM 07.01 for the UR 9600 Bits/s. This constraint corresponds to the combination:</p> <p>CE: NT, bothNT, bothT<br/> S: SDU<br/> UIL2P: ISO 6429<br/> NDB: 7 bits<br/> NPB: any valid value.</p> <p>The rate 9600 Bit/s can only be achieved with IR 16 kBits/s either using the path with CE: NT or "both" or using the path with CE:T. (See other steps for this table and rate)</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Comments |
| iei                               | '0000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| itc                               | '010'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| sacp                              | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ndb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ur                                | '0101'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| pi                                | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| modemt                            | ('00110'B, '01000'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B1621_9600_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.6.2.1 of GSM 07.01 for the UR 9600 Bits/s. This constraint corresponds to the combination:</p> <p>CE: NT, bothNT, bothT</p> <p>S: SDU</p> <p>UIL2P: ISO 6429</p> <p>NDB: 8 bits</p> <p>NPB: none</p> <p>The rate 9600 Bit/s can only be achieved with IR 16 kBits/s either using the path with CE: NT or "both" or using the path with CE:T. (See other steps for this table and rate)</p> <p><b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| itc                               | '010'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| sacp                              | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| ur                                | '0101'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| modemt                            | ('00110'B, '01000'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |



| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B1621_9600_3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.6.2.1 of GSM 07.01 for the UR 9600 Bits/s. This constraint corresponds to the combination:</p> <p>CE: T<br/> S: unstructured<br/> UIL2P: NAV<br/> NDB: 7 bits<br/> NPB: any valid value.</p> <p>The rate 9600 Bit/s can only be achieved with IR 16 kBits/s either using the path with CE: NT or "both" or using the path with CE:T. (See other steps for this table and rate)</p> <p><b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Comments |
| iei                               | '0000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| itc                               | '010'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| strc                              | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| sacp                              | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| ndb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| ur                                | '0101'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| pi                                | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| ce                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| modemt                            | '00110'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| extb7                             | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| l2id                              | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| uil2                              | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B1621_9600_4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.6.2.1 of GSM 07.01 for the UR 9600 Bits/s. This constraint corresponds to the combination:</p> <p>CE: T<br/> S: unstructured<br/> UIL2P: NAV<br/> NDB: 8 bits<br/> NPB: none</p> <p>The rate 9600 Bit/s can only be achieved with IR 16 kBits/s either using the path with CE: NT or "both" or using the path with CE:T. (See other steps for this table and rate)</p> <p><b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| itc                               | '010'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| strc                              | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| sacp                              | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| ur                                | '0101'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| ce                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| modemt                            | '00110'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb7                             | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| l2id                              | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| uil2                              | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B1621_120075_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.6.2.1 of GSM 07.01 for the UR 1200/75 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 7 bits<br/>NPB: any valid value.</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.6.2.1, is not for Setup messages, the rate 1200/75 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| itc                               | '010'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| sacp                              | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| ndb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| ur                                | '0111'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| pi                                | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| modemt                            | ('00100'B, '01000'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B1621_120075_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.6.2.1 of GSM 07.01 for the UR 300 Bits/s. This constraint corresponds to the combination:</p> <p>NDB: 8 bits<br/>NPB: none</p> <p>Since the path acc. to comment 2) in GSM 07.01, clause B.1.6.2.1, is not for Setup messages, the rate 1200/75 Bit/s can only be achieved with IR 16 kBits/s and the path acc. to comment 1), which is for CE: NT or "both" only. So the path CE: T is discarded.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Comments |
| iei                               | '0000100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| itc                               | '010'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| strc                              | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| sacp                              | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| nsb                               | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| ur                                | '0111'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| ce                                | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| modemt                            | ('00100'B, '01000'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb7                             | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| l2id                              | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| uil2                              | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                           |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Bcap_Setup_B1622_1200                                                                                                                                                                                                                                                                                                     |          |
| <b>Structured Type:</b>    | BCAP                                                                                                                                                                                                                                                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                           |          |
| <b>Comments:</b>           | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.6.2.2 of GSM 07.01.<br/> This constraint corresponds to the combination:<br/> IR: 8 kBits/s<br/> UR: 1.2 kBits/s<br/> <b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                             | Comments |
| iei                        | '00000100'B                                                                                                                                                                                                                                                                                                               |          |
| iel                        | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                  |          |
| extb3                      | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| rchr                       | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                     |          |
| cs                         | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| tm                         | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| itc                        | '010'B                                                                                                                                                                                                                                                                                                                    |          |
| extb4                      | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| spb                        | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| strc                       | '11'B                                                                                                                                                                                                                                                                                                                     |          |
| dplxm                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| config                     | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| nirr                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| est                        | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| extb5                      | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| accid                      | '00'B                                                                                                                                                                                                                                                                                                                     |          |
| ra                         | '00'B                                                                                                                                                                                                                                                                                                                     |          |
| sacp                       | '001'B                                                                                                                                                                                                                                                                                                                    |          |
| extb6                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                     |          |
| uil1                       | '0000'B                                                                                                                                                                                                                                                                                                                   |          |
| sb                         | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| extb6a                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| nsb                        | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| nb                         | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| ndb                        | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| ur                         | '0010'B                                                                                                                                                                                                                                                                                                                   |          |
| extb6b                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                     |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| pi                         | '011'B                                                                                                                                                                                                                                                                                                                    |          |
| extb6c                     | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| ce                         | '00'B                                                                                                                                                                                                                                                                                                                     |          |
| modemt                     | '00010'B                                                                                                                                                                                                                                                                                                                  |          |
| extb7                      | OMIT                                                                                                                                                                                                                                                                                                                      |          |
| l2id                       | OMIT                                                                                                                                                                                                                                                                                                                      |          |
| uil2                       | OMIT                                                                                                                                                                                                                                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                                                                                           |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                           |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Bcap_Setup_B1622_2400                                                                                                                                                                                                                                                                                                     |          |
| <b>Structured Type:</b>    | BCAP                                                                                                                                                                                                                                                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                           |          |
| <b>Comments:</b>           | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.6.2.2 of GSM 07.01.<br/> This constraint corresponds to the combination:<br/> IR: 8 kBits/s<br/> UR: 2.4 kBits/s<br/> <b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                             | Comments |
| iei                        | '00000100'B                                                                                                                                                                                                                                                                                                               |          |
| iel                        | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                  |          |
| extb3                      | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| rchr                       | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                     |          |
| cs                         | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| tm                         | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| itc                        | '010'B                                                                                                                                                                                                                                                                                                                    |          |
| extb4                      | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| spb                        | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| strc                       | '11'B                                                                                                                                                                                                                                                                                                                     |          |
| dplxm                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| config                     | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| nirr                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| est                        | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| extb5                      | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| accid                      | '00'B                                                                                                                                                                                                                                                                                                                     |          |
| ra                         | '00'B                                                                                                                                                                                                                                                                                                                     |          |
| sacp                       | '001'B                                                                                                                                                                                                                                                                                                                    |          |
| extb6                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                     |          |
| uil1                       | '0000'B                                                                                                                                                                                                                                                                                                                   |          |
| sb                         | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| extb6a                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| nsb                        | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| nb                         | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| ndb                        | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| ur                         | '0011'B                                                                                                                                                                                                                                                                                                                   |          |
| extb6b                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                     |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| pi                         | '011'B                                                                                                                                                                                                                                                                                                                    |          |
| extb6c                     | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| ce                         | '00'B                                                                                                                                                                                                                                                                                                                     |          |
| modemt                     | ('00011'B, '00101'B)                                                                                                                                                                                                                                                                                                      |          |
| extb7                      | OMIT                                                                                                                                                                                                                                                                                                                      |          |
| l2id                       | OMIT                                                                                                                                                                                                                                                                                                                      |          |
| uil2                       | OMIT                                                                                                                                                                                                                                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                                                                                           |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                           |          |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B1622_4800                                                                                                                                                                                                                                                                                                     |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                      |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                           |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.6.2.2 of GSM 07.01.<br/> This constraint corresponds to the combination:<br/> IR: 8 kBits/s<br/> UR: 4.8 kBits/s<br/> <b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                             | Comments |
| iei                               | '0000100'B                                                                                                                                                                                                                                                                                                                |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                  |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| rchr                              | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                     |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| itc                               | '010'B                                                                                                                                                                                                                                                                                                                    |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| strc                              | '11'B                                                                                                                                                                                                                                                                                                                     |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                     |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                     |          |
| sacp                              | '001'B                                                                                                                                                                                                                                                                                                                    |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                     |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                   |          |
| sb                                | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| nsb                               | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                      |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| ur                                | '0100'B                                                                                                                                                                                                                                                                                                                   |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| ir                                | '10'B                                                                                                                                                                                                                                                                                                                     |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                              |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                    |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                      |          |
| ce                                | '00'B                                                                                                                                                                                                                                                                                                                     |          |
| modemt                            | '00110'B                                                                                                                                                                                                                                                                                                                  |          |
| extb7                             | OMIT                                                                                                                                                                                                                                                                                                                      |          |
| l2id                              | OMIT                                                                                                                                                                                                                                                                                                                      |          |
| uil2                              | OMIT                                                                                                                                                                                                                                                                                                                      |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                           |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                            |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Bcap_Setup_B1622_9600                                                                                                                                                                                                                                                                                                      |          |
| <b>Structured Type:</b>    | BCAP                                                                                                                                                                                                                                                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                            |          |
| <b>Comments:</b>           | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.6.2.2 of GSM 07.01.<br/> This constraint corresponds to the combination:<br/> IR: 16 kBits/s<br/> UR: 9.6 kBits/s<br/> <b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                              | Comments |
| iei                        | '00000100'B                                                                                                                                                                                                                                                                                                                |          |
| iel                        | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                   |          |
| extb3                      | '1'B                                                                                                                                                                                                                                                                                                                       |          |
| rchr                       | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                      |          |
| cs                         | '0'B                                                                                                                                                                                                                                                                                                                       |          |
| tm                         | '0'B                                                                                                                                                                                                                                                                                                                       |          |
| itc                        | '010'B                                                                                                                                                                                                                                                                                                                     |          |
| extb4                      | '1'B                                                                                                                                                                                                                                                                                                                       |          |
| spb                        | '0'B                                                                                                                                                                                                                                                                                                                       |          |
| strc                       | '11'B                                                                                                                                                                                                                                                                                                                      |          |
| dplxm                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                               |          |
| config                     | '0'B                                                                                                                                                                                                                                                                                                                       |          |
| nirr                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                               |          |
| est                        | '0'B                                                                                                                                                                                                                                                                                                                       |          |
| extb5                      | '1'B                                                                                                                                                                                                                                                                                                                       |          |
| accid                      | '00'B                                                                                                                                                                                                                                                                                                                      |          |
| ra                         | '00'B                                                                                                                                                                                                                                                                                                                      |          |
| sacp                       | '001'B                                                                                                                                                                                                                                                                                                                     |          |
| extb6                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                               |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                      |          |
| uil1                       | '0000'B                                                                                                                                                                                                                                                                                                                    |          |
| sb                         | '0'B                                                                                                                                                                                                                                                                                                                       |          |
| extb6a                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                               |          |
| nsb                        | '0'B                                                                                                                                                                                                                                                                                                                       |          |
| nb                         | '0'B                                                                                                                                                                                                                                                                                                                       |          |
| ndb                        | '1'B                                                                                                                                                                                                                                                                                                                       |          |
| ur                         | '0101'B                                                                                                                                                                                                                                                                                                                    |          |
| extb6b                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                               |          |
| ir                         | '11'B                                                                                                                                                                                                                                                                                                                      |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                               |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                               |          |
| pi                         | '011'B                                                                                                                                                                                                                                                                                                                     |          |
| extb6c                     | '1'B                                                                                                                                                                                                                                                                                                                       |          |
| ce                         | '00'B                                                                                                                                                                                                                                                                                                                      |          |
| modemt                     | '00110'B                                                                                                                                                                                                                                                                                                                   |          |
| extb7                      | OMIT                                                                                                                                                                                                                                                                                                                       |          |
| l2id                       | OMIT                                                                                                                                                                                                                                                                                                                       |          |
| uil2                       | OMIT                                                                                                                                                                                                                                                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                                                                                            |          |



| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Bcap_Setup_B1102_1                                                                                                                                                                                                                                                                                                                                                                        |          |
| <b>Structured Type:</b>    | BCAP                                                                                                                                                                                                                                                                                                                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Comments:</b>           | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.10.2 of GSM 07.01.<br/> This constraint corresponds to the combination:<br/> CE: NT or "both"<br/> S: SDU<br/> UIL2P: X.25<br/> IR: 16 kBits/s<br/> UR: 2.4, 4.8 and 9.6 kBits/s<br/> <b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                                                                             | Comments |
| iei                        | '00000100'B                                                                                                                                                                                                                                                                                                                                                                               |          |
| iel                        | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                                  |          |
| extb3                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                      |          |
| rchr                       | '01'B                                                                                                                                                                                                                                                                                                                                                                                     |          |
| cs                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                      |          |
| tm                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                      |          |
| itc                        | '011'B                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb4                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                      |          |
| spb                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                      |          |
| strc                       | '00'B                                                                                                                                                                                                                                                                                                                                                                                     |          |
| dplxm                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                              |          |
| config                     | '0'B                                                                                                                                                                                                                                                                                                                                                                                      |          |
| nirr                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                              |          |
| est                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb5                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                      |          |
| accid                      | '00'B                                                                                                                                                                                                                                                                                                                                                                                     |          |
| ra                         | '00'B                                                                                                                                                                                                                                                                                                                                                                                     |          |
| sacp                       | '001'B                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb6                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                              |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                                                                                     |          |
| uil1                       | '0000'B                                                                                                                                                                                                                                                                                                                                                                                   |          |
| sb                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb6a                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                              |          |
| nsb                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                      |          |
| nb                         | '0'B                                                                                                                                                                                                                                                                                                                                                                                      |          |
| ndb                        | '1'B                                                                                                                                                                                                                                                                                                                                                                                      |          |
| ur                         | ('0011'B, '0100'B, '0101'B)                                                                                                                                                                                                                                                                                                                                                               |          |
| extb6b                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                              |          |
| ir                         | '11'B                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                              |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                              |          |
| pi                         | '011'B                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb6c                     | '1'B                                                                                                                                                                                                                                                                                                                                                                                      |          |
| ce                         | ('01'B, '10'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                     |          |
| modemt                     | '00000'B                                                                                                                                                                                                                                                                                                                                                                                  |          |
| extb7                      | '1'B                                                                                                                                                                                                                                                                                                                                                                                      |          |
| l2id                       | '10'B                                                                                                                                                                                                                                                                                                                                                                                     |          |
| uil2                       | '00110'B                                                                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                                                                                                                                                           |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Bcap_Setup_B1102_2                                                                                                                                                                                                                                                                                                                                                              |          |
| <b>Structured Type:</b>    | BCAP                                                                                                                                                                                                                                                                                                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                                                                 |          |
| <b>Comments:</b>           | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.10.2 of GSM 07.01.<br/> This constraint corresponds to the combination:<br/> CE: T<br/> S: unstructured<br/> UIL2P: NAV<br/> IR: 8kBits/s<br/> UR: 2.4 and 4.8 kBits/s<br/> <b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                                                                   | Comments |
| iei                        | '00000100'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| iel                        | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                        |          |
| extb3                      | '1'B                                                                                                                                                                                                                                                                                                                                                                            |          |
| rchr                       | '01'B                                                                                                                                                                                                                                                                                                                                                                           |          |
| cs                         | '0'B                                                                                                                                                                                                                                                                                                                                                                            |          |
| tm                         | '0'B                                                                                                                                                                                                                                                                                                                                                                            |          |
| itc                        | '011'B                                                                                                                                                                                                                                                                                                                                                                          |          |
| extb4                      | '1'B                                                                                                                                                                                                                                                                                                                                                                            |          |
| spb                        | '0'B                                                                                                                                                                                                                                                                                                                                                                            |          |
| strc                       | '11'B                                                                                                                                                                                                                                                                                                                                                                           |          |
| dplxm                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                    |          |
| config                     | '0'B                                                                                                                                                                                                                                                                                                                                                                            |          |
| nirr                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                    |          |
| est                        | '0'B                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb5                      | '1'B                                                                                                                                                                                                                                                                                                                                                                            |          |
| accid                      | '00'B                                                                                                                                                                                                                                                                                                                                                                           |          |
| ra                         | '00'B                                                                                                                                                                                                                                                                                                                                                                           |          |
| sacp                       | '001'B                                                                                                                                                                                                                                                                                                                                                                          |          |
| extb6                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                    |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                                                                           |          |
| uil1                       | '0000'B                                                                                                                                                                                                                                                                                                                                                                         |          |
| sb                         | '0'B                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb6a                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                    |          |
| nsb                        | '0'B                                                                                                                                                                                                                                                                                                                                                                            |          |
| nb                         | '0'B                                                                                                                                                                                                                                                                                                                                                                            |          |
| ndb                        | '1'B                                                                                                                                                                                                                                                                                                                                                                            |          |
| ur                         | ('0011'B, '0100'B)                                                                                                                                                                                                                                                                                                                                                              |          |
| extb6b                     | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                    |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                                                                           |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                    |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                    |          |
| pi                         | '011'B                                                                                                                                                                                                                                                                                                                                                                          |          |
| extb6c                     | '1'B                                                                                                                                                                                                                                                                                                                                                                            |          |
| ce                         | '00'B                                                                                                                                                                                                                                                                                                                                                                           |          |
| modemt                     | '00000'B                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb7                      | OMIT                                                                                                                                                                                                                                                                                                                                                                            |          |
| l2id                       | OMIT                                                                                                                                                                                                                                                                                                                                                                            |          |
| uil2                       | OMIT                                                                                                                                                                                                                                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                                                                                                                                                 |          |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                                           |          |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Bcap_Setup_B1102_3                                                                                                                                                                                                                                                                                                                                                        |          |
| <b>Structured Type:</b>           | BCAP                                                                                                                                                                                                                                                                                                                                                                      |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Comments:</b>                  | <p>To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.1.10.2 of GSM 07.01.<br/> This constraint corresponds to the combination:<br/> CE: T<br/> S: unstructured<br/> UIL2P: NAV<br/> IR: 16 kBits/s<br/> UR: 9.6 kBits/s<br/> <b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING LOWER LAYER COMPATIBILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                                             | Comments |
| iei                               | '00000100'B                                                                                                                                                                                                                                                                                                                                                               |          |
| iel                               | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                                                                                                                                                                                                                                                  |          |
| extb3                             | '1'B                                                                                                                                                                                                                                                                                                                                                                      |          |
| rchr                              | '01'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| cs                                | '0'B                                                                                                                                                                                                                                                                                                                                                                      |          |
| tm                                | '0'B                                                                                                                                                                                                                                                                                                                                                                      |          |
| itc                               | '011'B                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb4                             | '1'B                                                                                                                                                                                                                                                                                                                                                                      |          |
| spb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                      |          |
| strc                              | '11'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| dplxm                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                              |          |
| config                            | '0'B                                                                                                                                                                                                                                                                                                                                                                      |          |
| nirr                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                              |          |
| est                               | '0'B                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb5                             | '1'B                                                                                                                                                                                                                                                                                                                                                                      |          |
| accid                             | '00'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| ra                                | '00'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| sacp                              | '001'B                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb6                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                              |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| uil1                              | '0000'B                                                                                                                                                                                                                                                                                                                                                                   |          |
| sb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb6a                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                              |          |
| nsb                               | '0'B                                                                                                                                                                                                                                                                                                                                                                      |          |
| nb                                | '0'B                                                                                                                                                                                                                                                                                                                                                                      |          |
| ndb                               | '1'B                                                                                                                                                                                                                                                                                                                                                                      |          |
| ur                                | '0101'B                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb6b                            | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                              |          |
| ir                                | '11'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                              |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                              |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb6c                            | '1'B                                                                                                                                                                                                                                                                                                                                                                      |          |
| ce                                | '00'B                                                                                                                                                                                                                                                                                                                                                                     |          |
| modemt                            | '00000'B                                                                                                                                                                                                                                                                                                                                                                  |          |
| extb7                             | OMIT                                                                                                                                                                                                                                                                                                                                                                      |          |
| l2id                              | OMIT                                                                                                                                                                                                                                                                                                                                                                      |          |
| uil2                              | OMIT                                                                                                                                                                                                                                                                                                                                                                      |          |
| <b>Detailed Comments:</b>         |                                                                                                                                                                                                                                                                                                                                                                           |          |

| Structured Type Constraint |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Bcap_PROTOTYPE                                                                                                                             |          |
| <b>Structured Type:</b>    | BCAP                                                                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To check a Bearer Capability IE of a Setup PDU acc. to table in clause B.XXX of GSM 07.01. This constraint corresponds to the combination: |          |
| Element Name               | Element Value                                                                                                                              | Comments |
| iei                        | '00000100'B                                                                                                                                |          |
| iel                        | ('01'O, '02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O)                                                                                   |          |
| extb3                      | '1'B                                                                                                                                       |          |
| rchr                       | ('01'B, '10'B, '11'B)                                                                                                                      |          |
| cs                         | '0'B                                                                                                                                       |          |
| tm                         | '0'B                                                                                                                                       |          |
| itc                        | ('000'B, '001'B, '010'B, '011'B, '111'B)                                                                                                   |          |
| extb4                      | '1'B                                                                                                                                       |          |
| spb                        | '0'B                                                                                                                                       |          |
| strc                       | ('00'B, '11'B)                                                                                                                             |          |
| dplxm                      | ('0'B, '1'B)                                                                                                                               |          |
| config                     | '0'B                                                                                                                                       |          |
| nirr                       | ('0'B, '1'B)                                                                                                                               |          |
| est                        | '0'B                                                                                                                                       |          |
| extb5                      | '1'B                                                                                                                                       |          |
| accid                      | '00'B                                                                                                                                      |          |
| ra                         | ('00'B, '01'B, '10'B)                                                                                                                      |          |
| sacp                       | ('001'B, '010'B, '011'B, '100'B, '101'B, '110'B)                                                                                           |          |
| extb6                      | ('0'B, '1'B)                                                                                                                               |          |
| l1id                       | '01'B                                                                                                                                      |          |
| uil1                       | '0000'B                                                                                                                                    |          |
| sb                         | ('0'B, '1'B)                                                                                                                               |          |
| extb6a                     | ('0'B, '1'B)                                                                                                                               |          |
| nsb                        | ('0'B, '1'B)                                                                                                                               |          |
| nb                         | '0'B                                                                                                                                       |          |
| ndb                        | ('0'B, '1'B)                                                                                                                               |          |
| ur                         | ('0001'B, '0010'B, '0011'B, '0100'B, '0101'B, '0110'B, '0111'B)                                                                            |          |
| extb6b                     | ('0'B, '1'B)                                                                                                                               |          |
| ir                         | ('10'B, '11'B)                                                                                                                             |          |
| nictx                      | ('0'B, '1'B)                                                                                                                               |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                               |          |
| pi                         | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                   |          |
| extb6c                     | '1'B                                                                                                                                       |          |
| ce                         | ('00'B, '01'B, '10'B, '11'B)                                                                                                               |          |
| modemt                     | ('00000'B, '00001'B, '00010'B, '00011'B, '00100'B, '00101'B, '00110'B, '00111'B, '01000'B)                                                 |          |
| extb7                      | '1'B                                                                                                                                       |          |
| l2id                       | '10'B                                                                                                                                      |          |
| uil2                       | ('00110'B, '01000'B, '01001'B, '01010'B, '01100'B)                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| Structured Type Constraint |                                                |          |
|----------------------------|------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Blocktype_01(seqnum: BITSTRING; lb: BITSTRING) |          |
| <b>Structured Type:</b>    | BLOCKTYPE                                      |          |
| <b>Derivation Path:</b>    |                                                |          |
| <b>Comments:</b>           | Block type,<br>GSM 04.12, 3.3.1                |          |
| Element Name               | Element Value                                  | Comments |
| spare1                     | '0'B                                           |          |
| lpd                        | '01'B                                          |          |
| lb                         | lb                                             |          |
| sequence_number            | seqnum                                         |          |
| <b>Detailed Comments:</b>  |                                                |          |

| Structured Type Constraint |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_01                                                                                                                             |          |
| <b>Structured Type:</b>    | NCD                                                                                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | Default neighbour cells description for SYSTEM INFORMATION 2 and 5 under GSM900 with the ARFCN list = {10, 20, 40, 80, 90, 100, 110, 120}. |          |
| Element Name               | Element Value                                                                                                                              | Comments |
| rfl2                       | '00'B                                                                                                                                      |          |
| extind                     | '0'B                                                                                                                                       |          |
| baind                      | '0'B                                                                                                                                       |          |
| rfl4                       | '0000'B                                                                                                                                    |          |
| rfl                        | '802008020080000000008000080200'O                                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| Structured Type Constraint |                                                                                                                                        |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_02                                                                                                                         |          |
| <b>Structured Type:</b>    | NCD                                                                                                                                    |          |
| <b>Derivation Path:</b>    | BcchFreqLst_01.                                                                                                                        |          |
| <b>Comments:</b>           | Alternative neighbour cells description for SYSTEM INFORMATION 2 and 5 under GSM900.<br>These are ARFCNs 15, 85, 95, 105, 115, and 122 |          |
| Element Name               | Element Value                                                                                                                          | Comments |
| rfl4                       | '0010'B                                                                                                                                |          |
| rfl                        | '04010040100000000000000004000'O                                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                                                        |          |

| Structured Type Constraint |                                                                                                                                                 |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_03                                                                                                                                  |          |
| <b>Structured Type:</b>    | NCD                                                                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                                                                 |          |
| <b>Comments:</b>           | Default neighbour cells description for SYSTEM INFORMATION 2 and 5 for DCS1800 for cell B with the ARFCN list = {520, 600, 700, 780, 810, 870}. |          |
| Element Name               | Element Value                                                                                                                                   | Comments |
| rfl2                       | '10'B                                                                                                                                           |          |
| extind                     | '0'B                                                                                                                                            |          |
| baind                      | '0'B                                                                                                                                            |          |
| rfl4                       | '1001'B                                                                                                                                         |          |
| rfl                        | '04412C168E440000000000000000'O                                                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                 |          |

| Structured Type Constraint |                                                                                     |          |
|----------------------------|-------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_04                                                                      |          |
| <b>Structured Type:</b>    | NCD                                                                                 |          |
| <b>Derivation Path:</b>    | BcchFreqLst_01.                                                                     |          |
| <b>Comments:</b>           | Alternative neighbour cells description for SYSTEM INFORMATION 2 and 5 for DCS1800. |          |
| Element Name               | Element Value                                                                       | Comments |
| rfl2                       | '10'B                                                                               |          |
| extind                     | '0'B                                                                                |          |
| baind                      | '0'B                                                                                |          |
| rfl4                       | '1001'B                                                                             |          |
| rfl                        | '09412C168E44000000000000000000'O                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                     |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_05                                                                              |          |
| <b>Structured Type:</b>    | NCD                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                             |          |
| <b>Comments:</b>           | cells description for SYSTEM INFORMATION 2 and 5 of cell 1 for idle mode testing of GSM900. |          |
| Element Name               | Element Value                                                                               | Comments |
| rfl2                       | '00'B                                                                                       |          |
| extind                     | '0'B                                                                                        |          |
| baind                      | '0'B                                                                                        |          |
| rfl4                       | '1000'B                                                                                     |          |
| rfl                        | '000001001000030000004000000040'O                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_06                                                                              |          |
| <b>Structured Type:</b>    | NCD                                                                                         |          |
| <b>Derivation Path:</b>    | BcchFreqLst_05.                                                                             |          |
| <b>Comments:</b>           | cells description for SYSTEM INFORMATION 2 and 5 of cell 2 for idle mode testing of GSM900. |          |
| Element Name               | Element Value                                                                               | Comments |
| rfl4                       | '0100'B                                                                                     |          |
| rfl                        | '0000020020000C0000008000000080'O                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_07                                                                              |          |
| <b>Structured Type:</b>    | NCD                                                                                         |          |
| <b>Derivation Path:</b>    | BcchFreqLst_05.                                                                             |          |
| <b>Comments:</b>           | cells description for SYSTEM INFORMATION 2 and 5 of cell 3 for idle mode testing of GSM900. |          |
| Element Name               | Element Value                                                                               | Comments |
| rfl4                       | '0010'B                                                                                     |          |
| rfl                        | '000004004000300000010000000100'O                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_08                                                                              |          |
| <b>Structured Type:</b>    | NCD                                                                                         |          |
| <b>Derivation Path:</b>    | BcchFreqLst_05.                                                                             |          |
| <b>Comments:</b>           | cells description for SYSTEM INFORMATION 2 and 5 of cell 4 for idle mode testing of GSM900. |          |
| Element Name               | Element Value                                                                               | Comments |
| rfl4                       | '0001'B                                                                                     |          |
| rfl                        | '000008008000C00000020000000200'O                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_09                                                                              |          |
| <b>Structured Type:</b>    | NCD                                                                                         |          |
| <b>Derivation Path:</b>    | BcchFreqLst_05.                                                                             |          |
| <b>Comments:</b>           | cells description for SYSTEM INFORMATION 2 and 5 of cell 5 for idle mode testing of GSM900. |          |
| Element Name               | Element Value                                                                               | Comments |
| rfl4                       | '0000'B                                                                                     |          |
| rfl                        | '800010010003000000040000000400'O                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_10                                                                              |          |
| <b>Structured Type:</b>    | NCD                                                                                         |          |
| <b>Derivation Path:</b>    | BcchFreqLst_05.                                                                             |          |
| <b>Comments:</b>           | cells description for SYSTEM INFORMATION 2 and 5 of cell 6 for idle mode testing of GSM900. |          |
| Element Name               | Element Value                                                                               | Comments |
| rfl4                       | '0000'B                                                                                     |          |
| rfl                        | '40002002000C000000080000000800'O                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_11                                                                              |          |
| <b>Structured Type:</b>    | NCD                                                                                         |          |
| <b>Derivation Path:</b>    | BcchFreqLst_05.                                                                             |          |
| <b>Comments:</b>           | cells description for SYSTEM INFORMATION 2 and 5 of cell 7 for idle mode testing of GSM900. |          |
| Element Name               | Element Value                                                                               | Comments |
| rfl4                       | '0000'B                                                                                     |          |
| rfl                        | '200040040030000000100000001000'O                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_12                                                                              |          |
| <b>Structured Type:</b>    | NCD                                                                                         |          |
| <b>Derivation Path:</b>    | BcchFreqLst_05.                                                                             |          |
| <b>Comments:</b>           | cells description for SYSTEM INFORMATION 2 and 5 of cell 8 for idle mode testing of GSM900. |          |
| Element Name               | Element Value                                                                               | Comments |
| rfl4                       | '1000'B                                                                                     |          |
| rfl                        | '000000000000000000000000000000'O                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                                                              |          |
|----------------------------|----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_13                                                                               |          |
| <b>Structured Type:</b>    | NCD                                                                                          |          |
| <b>Derivation Path:</b>    | BcchFreqLst_01.                                                                              |          |
| <b>Comments:</b>           | cells description for SYSTEM INFORMATION 2 and 5 of cell 1 for idle mode testing of DCS1800. |          |
| Element Name               | Element Value                                                                                | Comments |
| rfl2                       | '10'B                                                                                        |          |
| rfl4                       | '1001'B                                                                                      |          |
| rfl                        | '042DE8EDB149B80000000000000000'O                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                              |          |

| Structured Type Constraint |                                                                                              |          |
|----------------------------|----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_14                                                                               |          |
| <b>Structured Type:</b>    | NCD                                                                                          |          |
| <b>Derivation Path:</b>    | BcchFreqLst_01.                                                                              |          |
| <b>Comments:</b>           | cells description for SYSTEM INFORMATION 2 and 5 of cell 2 for idle mode testing of DCS1800. |          |
| Element Name               | Element Value                                                                                | Comments |
| rfl2                       | '10'B                                                                                        |          |
| rfl4                       | '1001'B                                                                                      |          |
| rfl                        | '04AE28ECF0CBB80000000000000000'O                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                              |          |

| Structured Type Constraint |                                                                                              |          |
|----------------------------|----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_15                                                                               |          |
| <b>Structured Type:</b>    | NCD                                                                                          |          |
| <b>Derivation Path:</b>    | BcchFreqLst_01.                                                                              |          |
| <b>Comments:</b>           | cells description for SYSTEM INFORMATION 2 and 5 of cell 3 for idle mode testing of DCS1800. |          |
| Element Name               | Element Value                                                                                | Comments |
| rfl2                       | '10'B                                                                                        |          |
| rfl4                       | '1001'B                                                                                      |          |
| rfl                        | '052E68EC304DB80000000000000000'O                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                              |          |

| Structured Type Constraint |                                                                                              |          |
|----------------------------|----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_16                                                                               |          |
| <b>Structured Type:</b>    | NCD                                                                                          |          |
| <b>Derivation Path:</b>    | BcchFreqLst_01.                                                                              |          |
| <b>Comments:</b>           | cells description for SYSTEM INFORMATION 2 and 5 of cell 4 for idle mode testing of DCS1800. |          |
| Element Name               | Element Value                                                                                | Comments |
| rfl2                       | '10'B                                                                                        |          |
| rfl4                       | '1001'B                                                                                      |          |
| rfl                        | '05AEA8EB6FCFB80000000000000000'O                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                              |          |



| Structured Type Constraint |                                                                                              |          |
|----------------------------|----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_17                                                                               |          |
| <b>Structured Type:</b>    | NCD                                                                                          |          |
| <b>Derivation Path:</b>    | BcchFreqLst_01.                                                                              |          |
| <b>Comments:</b>           | cells description for SYSTEM INFORMATION 2 and 5 of cell 5 for idle mode testing of DCS1800. |          |
| Element Name               | Element Value                                                                                | Comments |
| rfl2                       | '10'B                                                                                        |          |
| rfl4                       | '1001'B                                                                                      |          |
| rfl                        | '062F6869EF53B80000000000000000'O                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                              |          |

| Structured Type Constraint |                                                                                              |          |
|----------------------------|----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_18                                                                               |          |
| <b>Structured Type:</b>    | NCD                                                                                          |          |
| <b>Derivation Path:</b>    | BcchFreqLst_01.                                                                              |          |
| <b>Comments:</b>           | cells description for SYSTEM INFORMATION 2 and 5 of cell 6 for idle mode testing of DCS1800. |          |
| Element Name               | Element Value                                                                                | Comments |
| rfl2                       | '10'B                                                                                        |          |
| rfl4                       | '1001'B                                                                                      |          |
| rfl                        | '06AF28E9EED3B80000000000000000'O                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                              |          |

| Structured Type Constraint |                                                                                              |          |
|----------------------------|----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_19                                                                               |          |
| <b>Structured Type:</b>    | NCD                                                                                          |          |
| <b>Derivation Path:</b>    | BcchFreqLst_01.                                                                              |          |
| <b>Comments:</b>           | cells description for SYSTEM INFORMATION 2 and 5 of cell 7 for idle mode testing of DCS1800. |          |
| Element Name               | Element Value                                                                                | Comments |
| rfl2                       | '10'B                                                                                        |          |
| rfl4                       | '1001'B                                                                                      |          |
| rfl                        | '072F5FE900D5480000000000000000'O                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                              |          |

| Structured Type Constraint |                                                                                                                                          |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_20                                                                                                                           |          |
| <b>Structured Type:</b>    | NCD                                                                                                                                      |          |
| <b>Derivation Path:</b>    | BcchFreqLst_01.                                                                                                                          |          |
| <b>Comments:</b>           | Neighbour cells description for SYSTEM INFORMATION 5 for measurement testing. Empty BA list, format is bitmap 0, IE carries complete BA. |          |
| Element Name               | Element Value                                                                                                                            | Comments |
| baird                      | '1'B                                                                                                                                     |          |
| rfl                        | '00000000000000000000000000000000'O                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                                                          |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                               |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_21                                                                                                                                                                                                                                                |          |
| <b>Structured Type:</b>    | NCD                                                                                                                                                                                                                                                           |          |
| <b>Derivation Path:</b>    | BcchFreqLst_01.                                                                                                                                                                                                                                               |          |
| <b>Comments:</b>           | Neighbour cells description for SYSTEM INFORMATION 5 for measurement testing. BA list = {2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 16,17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 32, 33, 34, 35, 36, 37, 38, 39, 40, 44}, format is bitmap 0, IE carries complete BA. |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                 | Comments |
| baird                      | '1'B                                                                                                                                                                                                                                                          |          |
| rfl                        | '000000000000000000000008FF83FFAFFA'O                                                                                                                                                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                               |          |

| Structured Type Constraint |                                                                                                                                                          |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_22                                                                                                                                           |          |
| <b>Structured Type:</b>    | NCD                                                                                                                                                      |          |
| <b>Derivation Path:</b>    | BcchFreqLst_01.                                                                                                                                          |          |
| <b>Comments:</b>           | Neighbour cells description for SYSTEM INFORMATION 5 for measurement testing. BA list = {2, 14, 20, 38, 44}, format is bitmap 0, IE carries complete BA. |          |
| Element Name               | Element Value                                                                                                                                            | Comments |
| baind                      | '1'B                                                                                                                                                     |          |
| rfl                        | '000000000000000000000000082000082002'O                                                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                          |          |

| Structured Type Constraint |                                                                                                                                                     |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_24                                                                                                                                      |          |
| <b>Structured Type:</b>    | NCD                                                                                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                                                                                     |          |
| <b>Comments:</b>           | neighbour cells description with out channel for SYSTEM INFORMATION 5 for GSM. Empty BA-list. Format is bitmap 0, IE carries only a part of the BA. |          |
| Element Name               | Element Value                                                                                                                                       | Comments |
| rfl2                       | '00'B                                                                                                                                               |          |
| extind                     | '1'B                                                                                                                                                |          |
| baind                      | '1'B                                                                                                                                                |          |
| rfl4                       | '0000'B                                                                                                                                             |          |
| rfl                        | '00000000000000000000000000000000'O                                                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                     |          |

| Structured Type Constraint |                                                                                                                                                        |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_25                                                                                                                                         |          |
| <b>Structured Type:</b>    | NCD                                                                                                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                                                                                        |          |
| <b>Comments:</b>           | Neighbour cells description without channel for SYSTEM INFORMATION 5 for DCS1800. Empty BA-list. Format is bitmap 0, IE carries only a part of the BA. |          |
| Element Name               | Element Value                                                                                                                                          | Comments |
| rfl2                       | '10'B                                                                                                                                                  |          |
| extind                     | '1'B                                                                                                                                                   |          |
| baind                      | '1'B                                                                                                                                                   |          |
| rfl4                       | '0000'B                                                                                                                                                |          |
| rfl                        | '00000000000000000000000000000000'O                                                                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                        |          |

| Structured Type Constraint |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_26                                                                                                                                               |          |
| <b>Structured Type:</b>    | NCD                                                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | Neighbour cells description for SYSTEM INFORMATION 5bis for GSM900. ARFCN 500 belongs to the BA list, format is 1024 range, IE carries only a part of the BA |          |
| Element Name               | Element Value                                                                                                                                                | Comments |
| rfl2                       | '10'B                                                                                                                                                        |          |
| extind                     | '1'B                                                                                                                                                         |          |
| baind                      | '1'B                                                                                                                                                         |          |
| rfl4                       | '0001'B                                                                                                                                                      |          |
| rfl                        | 'F4000000000000000000000000000000'O                                                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| Structured Type Constraint |                                                                                                                                                                     |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_27                                                                                                                                                      |          |
| <b>Structured Type:</b>    | NCD                                                                                                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                     |          |
| <b>Comments:</b>           | Neighbour cells description for SYSTEM INFORMATION 5 for DCS1800. BA list = {514, 530, 549, 602, 665, 686, 762, 810}, format is 1024 range, IE carries complete BA. |          |
| Element Name               | Element Value                                                                                                                                                       | Comments |
| rfl2                       | '10'B                                                                                                                                                               |          |
| extind                     | '0'B                                                                                                                                                                |          |
| baind                      | '1'B                                                                                                                                                                |          |
| rfl4                       | '0010'B                                                                                                                                                             |          |
| rfl                        | '99C6187B6D0D4C3800000000000000'O                                                                                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                     |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                                         |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_28                                                                                                                                                                                                                                                          |          |
| <b>Structured Type:</b>    | NCD                                                                                                                                                                                                                                                                     |          |
| <b>Derivation Path:</b>    | BcchFreqLst_01.                                                                                                                                                                                                                                                         |          |
| <b>Comments:</b>           | Neighbour cells description for SYSTEM INFORMATION 5 for measurement testing. BA list = {2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 16,17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 32, 33, 34, 35, 36, 37, 38, 39, 40, 44}, format is bitmap 0, IE carries only a part of the BA. |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                           | Comments |
| extind                     | '1'B                                                                                                                                                                                                                                                                    |          |
| baind                      | '1'B                                                                                                                                                                                                                                                                    |          |
| rfl                        | '0000000000000000000000008FF83FFAFFA'O                                                                                                                                                                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                                         |          |

| Structured Type Constraint |                                                                                                                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_29                                                                                                                                                                     |          |
| <b>Structured Type:</b>    | NCD                                                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                    |          |
| <b>Comments:</b>           | Neighbour cells description for SYSTEM INFORMATION 5 for DCS1800 measurement testing. BA list = {549, 602, 665, 686, 810}. Format is range 1024, IE carries only a part of the BA. |          |
| Element Name               | Element Value                                                                                                                                                                      | Comments |
| rfl2                       | '10'B                                                                                                                                                                              |          |
| extind                     | '1'B                                                                                                                                                                               |          |
| baind                      | '1'B                                                                                                                                                                               |          |
| rfl4                       | '0010'B                                                                                                                                                                            |          |
| rfl                        | '99E0A472E100000000000000000000'O                                                                                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                    |          |

| Structured Type Constraint |                                                                                                                                                            |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_30                                                                                                                                             |          |
| <b>Structured Type:</b>    | NCD                                                                                                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                                                                                            |          |
| <b>Comments:</b>           | Neighbour cells description for SYSTEM INFORMATION 5bis for measurement testing. BA list {0, 800}, format is range 1024, IE carries only a part of the BA. |          |
| Element Name               | Element Value                                                                                                                                              | Comments |
| rfl2                       | '10'B                                                                                                                                                      |          |
| extind                     | '1'B                                                                                                                                                       |          |
| baind                      | '1'B                                                                                                                                                       |          |
| rfl4                       | '0111'B                                                                                                                                                    |          |
| rfl                        | '200000000000000000000000000000'O                                                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                            |          |

| Structured Type Constraint |                                                                                                                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_31                                                                                                                                                                  |          |
| <b>Structured Type:</b>    | NCD                                                                                                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                 |          |
| <b>Comments:</b>           | Neighbour cells description for SYSTEM INFORMATION 5 for DCS1800 measurement testing. BA list {20, 514, 530, 549, 762}, format is range 1024, IE carries only a part of the BA. |          |
| Element Name               | Element Value                                                                                                                                                                   | Comments |
| rfl2                       | '10'B                                                                                                                                                                           |          |
| extind                     | '1'B                                                                                                                                                                            |          |
| baind                      | '1'B                                                                                                                                                                            |          |
| rfl4                       | '0000'B                                                                                                                                                                         |          |
| rfl                        | '1473FF8AFC00000000000000000000'O                                                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                 |          |

| Structured Type Constraint |                                                                                                                                                                         |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_32                                                                                                                                                          |          |
| <b>Structured Type:</b>    | NCD                                                                                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                         |          |
| <b>Comments:</b>           | Neighbour cells description for SYSTEM INFORMATION 5 for DCS1800 measurement testing. BA list {514, 549, 602, 665, 810 }, format is range 1024, IE carries complete BA. |          |
| Element Name               | Element Value                                                                                                                                                           | Comments |
| rfl2                       | '10'B                                                                                                                                                                   |          |
| extind                     | '0'B                                                                                                                                                                    |          |
| baind                      | '1'B                                                                                                                                                                    |          |
| rfl4                       | '0000'B                                                                                                                                                                 |          |
| rfl                        | '5AE5B4375BC000000000000000000'O                                                                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                         |          |

| Structured Type Constraint |                                                                                                                                                       |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_33                                                                                                                                        |          |
| <b>Structured Type:</b>    | NCD                                                                                                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                                                                                       |          |
| <b>Comments:</b>           | Neighbour cells description for SYSTEM INFORMATION 5 for GSM900. BA list = {2, 14, 20, 38, 44}, format is bitmap 0, IE carries only a part of the BA. |          |
| Element Name               | Element Value                                                                                                                                         | Comments |
| rfl2                       | '00'B                                                                                                                                                 |          |
| extind                     | '1'B                                                                                                                                                  |          |
| baind                      | '1'B                                                                                                                                                  |          |
| rfl4                       | '0000'B                                                                                                                                               |          |
| rfl                        | '000000000000000000000000082000082002'O                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                       |          |

| Structured Type Constraint |                                                                                                                                                                           |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_34                                                                                                                                                            |          |
| <b>Structured Type:</b>    | NCD                                                                                                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                           |          |
| <b>Comments:</b>           | Neighbour cells description for SYSTEM INFORMATION 5 for DCS1800 measurement testing. BA list = {549, 602, 810 }, format is range 1024, IE carries only a part of the BA. |          |
| Element Name               | Element Value                                                                                                                                                             | Comments |
| rfl2                       | '10'B                                                                                                                                                                     |          |
| extind                     | '1'B                                                                                                                                                                      |          |
| baind                      | '1'B                                                                                                                                                                      |          |
| rfl4                       | '0010'B                                                                                                                                                                   |          |
| rfl                        | '5AE5B4000000000000000000000000'O                                                                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                           |          |

| Structured Type Constraint |                                                                                                                                                                         |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_34d                                                                                                                                                         |          |
| <b>Structured Type:</b>    | NCD                                                                                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                         |          |
| <b>Comments:</b>           | Neighbour cells description for SYSTEM INFORMATION 5 for DCS1800 measurement testing.<br>BA list = {514, 665 }, format is range 1024, IE carries only a part of the BA. |          |
| Element Name               | Element Value                                                                                                                                                           | Comments |
| rfl2                       | '10'B                                                                                                                                                                   |          |
| extind                     | '1'B                                                                                                                                                                    |          |
| baind                      | '1'B                                                                                                                                                                    |          |
| rfl4                       | '0010'B                                                                                                                                                                 |          |
| rfl                        | '99B48000000000000000000000000000'O                                                                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                         |          |

| Structured Type Constraint |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_35                                                                |          |
| <b>Structured Type:</b>    | NCD                                                                           |          |
| <b>Derivation Path:</b>    | BcchFreqLst_01.                                                               |          |
| <b>Comments:</b>           | Neighbour cells description for SYSTEM INFORMATION 5 for measurement testing. |          |
| Element Name               | Element Value                                                                 | Comments |
| baind                      | '1'B                                                                          |          |
| rfl                        | '0000000000000000000000082082082'O                                            |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| Structured Type Constraint |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_36                                                                |          |
| <b>Structured Type:</b>    | NCD                                                                           |          |
| <b>Derivation Path:</b>    | BcchFreqLst_01.                                                               |          |
| <b>Comments:</b>           | Neighbour cells description for SYSTEM INFORMATION 5 for measurement testing. |          |
| Element Name               | Element Value                                                                 | Comments |
| extind                     | '1'B                                                                          |          |
| baind                      | '1'B                                                                          |          |
| rfl                        | '0000000000000000000000082082082002'O                                         |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| Structured Type Constraint                         |                                                                               |          |
|----------------------------------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>                            | BcchFreqLst_37                                                                |          |
| <b>Structured Type:</b>                            | NCD                                                                           |          |
| <b>Derivation Path:</b>                            |                                                                               |          |
| <b>Comments:</b>                                   | Neighbour cells description for SYSTEM INFORMATION 5 for measurement testing. |          |
| Element Name                                       | Element Value                                                                 | Comments |
| rfl2                                               | '00'B                                                                         |          |
| extind                                             | '1'B                                                                          |          |
| baind                                              | '1'B                                                                          |          |
| rfl4                                               | '0000'B                                                                       |          |
| rfl                                                | '0000000000000000000000000000A2'O                                             |          |
| <b>Detailed Comments:</b> only used in TC_26_6_3_5 |                                                                               |          |

| Structured Type Constraint |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_38                                                    |          |
| <b>Structured Type:</b>    | NCD                                                               |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | Neighbour cells description for SYSTEM INFORMATION 5 for DCS1800. |          |
| Element Name               | Element Value                                                     | Comments |
| rfl2                       | '10'B                                                             |          |
| extind                     | '1'B                                                              |          |
| baind                      | '1'B                                                              |          |
| rfl4                       | '0110'B                                                           |          |
| rfl                        | 'CBA3BEB89A9048C000000000000000'<br>O                             |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| Structured Type Constraint |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_39                                                    |          |
| <b>Structured Type:</b>    | NCD                                                               |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | Neighbour cells description for SYSTEM INFORMATION 5 for DCS1800. |          |
| Element Name               | Element Value                                                     | Comments |
| rfl2                       | '10'B                                                             |          |
| extind                     | '1'B                                                              |          |
| baind                      | '1'B                                                              |          |
| rfl4                       | '1111'B                                                           |          |
| rfl                        | 'E28000000010000014500000000000'O                                 |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| Structured Type Constraint |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_40                                                    |          |
| <b>Structured Type:</b>    | NCD                                                               |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | Neighbour cells description for SYSTEM INFORMATION 5 for DCS1800. |          |
| Element Name               | Element Value                                                     | Comments |
| rfl2                       | '10'B                                                             |          |
| extind                     | '1'B                                                              |          |
| baind                      | '1'B                                                              |          |
| rfl4                       | '1101'B                                                           |          |
| rfl                        | '5B9458000000000000000000000000'O                                 |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| Structured Type Constraint |                                                                      |          |
|----------------------------|----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_41                                                       |          |
| <b>Structured Type:</b>    | NCD                                                                  |          |
| <b>Derivation Path:</b>    |                                                                      |          |
| <b>Comments:</b>           | Neighbour cells description for SYSTEM INFORMATION 5 BIS for GSM900. |          |
| Element Name               | Element Value                                                        | Comments |
| rfl2                       | '10'B                                                                |          |
| extind                     | '1'B                                                                 |          |
| baind                      | '1'B                                                                 |          |
| rfl4                       | '1001'B                                                              |          |
| rfl                        | '097BBA32AE888C0000000000000000'O                                    |          |
| <b>Detailed Comments:</b>  |                                                                      |          |

| Structured Type Constraint |                                                                  |          |
|----------------------------|------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_42                                                   |          |
| <b>Structured Type:</b>    | NCD                                                              |          |
| <b>Derivation Path:</b>    |                                                                  |          |
| <b>Comments:</b>           | Neighbour cells description for SYSTEM INFORMATION 5 for GSM900. |          |
| Element Name               | Element Value                                                    | Comments |
| rfl2                       | '10'B                                                            |          |
| extind                     | '1'B                                                             |          |
| baind                      | '1'B                                                             |          |
| rfl4                       | '1000'B                                                          |          |
| rfl                        | 'FA0787AE4B88000000000000000000'O                                |          |
| <b>Detailed Comments:</b>  |                                                                  |          |

| Structured Type Constraint |                                                                  |          |
|----------------------------|------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_43                                                   |          |
| <b>Structured Type:</b>    | NCD                                                              |          |
| <b>Derivation Path:</b>    |                                                                  |          |
| <b>Comments:</b>           | Neighbour cells description for SYSTEM INFORMATION 5 for GSM900. |          |
| Element Name               | Element Value                                                    | Comments |
| rfl2                       | '10'B                                                            |          |
| extind                     | '1'B                                                             |          |
| baind                      | '1'B                                                             |          |
| rfl4                       | '1111'B                                                          |          |
| rfl                        | 'E28000000010000014400000000000'O                                |          |
| <b>Detailed Comments:</b>  |                                                                  |          |

| Structured Type Constraint |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_44                                                    |          |
| <b>Structured Type:</b>    | NCD                                                               |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | Neighbour cells description for SYSTEM INFORMATION 5 for DCS1800. |          |
| Element Name               | Element Value                                                     | Comments |
| rfl2                       | '10'B                                                             |          |
| extind                     | '1'B                                                              |          |
| baind                      | '1'B                                                              |          |
| rfl4                       | '1011'B                                                           |          |
| rfl                        | '97E8E80CEF800000000000000000'O                                   |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| Structured Type Constraint |                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_45                                                                             |          |
| <b>Structured Type:</b>    | NCD                                                                                        |          |
| <b>Derivation Path:</b>    | BcchFreqLst_01.                                                                            |          |
| <b>Comments:</b>           | Default neighbour cells description of cell B for SYSTEM INFORMATION 2 and 5 under GSM900. |          |
| Element Name               | Element Value                                                                              | Comments |
| rfl                        | '8020080200800000000000000000200'O                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                            |          |

| Structured Type Constraint |                                                                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_46                                                                                                                       |          |
| <b>Structured Type:</b>    | NCD                                                                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                                                                      |          |
| <b>Comments:</b>           | Default neighbour cells description for SYSTEM INFORMATION 2bis and 5bis in cell A under EGSMwith the ARFCN list = {988, 990, 1003}. |          |
| Element Name               | Element Value                                                                                                                        | Comments |
| rfl2                       | '10'B                                                                                                                                |          |
| extind                     | '1'B                                                                                                                                 |          |
| baind                      | '0'B                                                                                                                                 |          |
| rfl4                       | '1011'B                                                                                                                              |          |
| rfl                        | 'EE07F3000000000000000000000000'O                                                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                                                                      |          |

| Structured Type Constraint |                                                                                                                                        |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_47                                                                                                                         |          |
| <b>Structured Type:</b>    | NCD                                                                                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                                                                        |          |
| <b>Comments:</b>           | Default neighbour cells description for SYSTEM INFORMATION 2bis and 5bis in cell B under EGSMwith the ARFCN list = {1005, 1010, 1015}. |          |
| Element Name               | Element Value                                                                                                                          | Comments |
| rfl2                       | '10'B                                                                                                                                  |          |
| extind                     | '1'B                                                                                                                                   |          |
| baind                      | '0'B                                                                                                                                   |          |
| rfl4                       | '1101'B                                                                                                                                |          |
| rfl                        | 'F68AEC000000000000000000000000'O                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                                                        |          |

| Structured Type Constraint |                                                                                                                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_48                                                                                                                                                                    |          |
| <b>Structured Type:</b>    | NCD                                                                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                   |          |
| <b>Comments:</b>           | Default neighbour cells description for SYSTEM INFORMATION 2 and 5 for DCS1800 for cell B in RR, MM and SMS test cases with the ARFCN list = {520, 590, 600, 700, 780, 810, 870}. |          |
| Element Name               | Element Value                                                                                                                                                                     | Comments |
| rfl2                       | '10'B                                                                                                                                                                             |          |
| extind                     | '0'B                                                                                                                                                                              |          |
| baind                      | '0'B                                                                                                                                                                              |          |
| rfl4                       | '1001'B                                                                                                                                                                           |          |
| rfl                        | '04411307BB00C80000000000000000'O                                                                                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                   |          |

| Structured Type Constraint |                                       |          |
|----------------------------|---------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_49                        |          |
| <b>Structured Type:</b>    | NCD                                   |          |
| <b>Derivation Path:</b>    |                                       |          |
| <b>Comments:</b>           |                                       |          |
| Element Name               | Element Value                         | Comments |
| rfl2                       | '00'B                                 |          |
| extind                     | '0'B                                  |          |
| baind                      | '0'B                                  |          |
| rfl4                       | '0000'B                               |          |
| rfl                        | '2200000000000000000000008800000200'O |          |
| <b>Detailed Comments:</b>  |                                       |          |



| Structured Type Constraint |                                                                                         |          |
|----------------------------|-----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_e201                                                                        |          |
| <b>Structured Type:</b>    | NCD                                                                                     |          |
| <b>Derivation Path:</b>    | BcchFreqLst_01.                                                                         |          |
| <b>Comments:</b>           | Default neighbour cells description any cell for SYSTEM INFORMATION 2 and 5 under EGSM. |          |
| Element Name               | Element Value                                                                           | Comments |
| rfl                        | '038C0D0C'O                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                         |          |

| Structured Type Constraint |                                                                                         |          |
|----------------------------|-----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_e202                                                                        |          |
| <b>Structured Type:</b>    | NCD                                                                                     |          |
| <b>Derivation Path:</b>    | BcchFreqLst_01.                                                                         |          |
| <b>Comments:</b>           | Default neighbour cells description any cell for SYSTEM INFORMATION 2 and 5 under EGSM. |          |
| Element Name               | Element Value                                                                           | Comments |
| rfl                        | '058DEF07FE00'O                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                         |          |

| Structured Type Constraint |                                                                                         |          |
|----------------------------|-----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_e203                                                                        |          |
| <b>Structured Type:</b>    | NCD                                                                                     |          |
| <b>Derivation Path:</b>    | BcchFreqLst_01.                                                                         |          |
| <b>Comments:</b>           | Default neighbour cells description any cell for SYSTEM INFORMATION 2 and 5 under EGSM. |          |
| Element Name               | Element Value                                                                           | Comments |
| rfl                        | '078904797F83F980'O                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                         |          |

| Structured Type Constraint |                                                                                         |          |
|----------------------------|-----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_e204                                                                        |          |
| <b>Structured Type:</b>    | NCD                                                                                     |          |
| <b>Derivation Path:</b>    | BcchFreqLst_01.                                                                         |          |
| <b>Comments:</b>           | Default neighbour cells description any cell for SYSTEM INFORMATION 2 and 5 under EGSM. |          |
| Element Name               | Element Value                                                                           | Comments |
| rfl                        | '0987EDFF0E3CFD000000'O                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                         |          |

| Structured Type Constraint |                                                                                         |          |
|----------------------------|-----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_e205                                                                        |          |
| <b>Structured Type:</b>    | NCD                                                                                     |          |
| <b>Derivation Path:</b>    | BcchFreqLst_01.                                                                         |          |
| <b>Comments:</b>           | Default neighbour cells description any cell for SYSTEM INFORMATION 2 and 5 under EGSM. |          |
| Element Name               | Element Value                                                                           | Comments |
| rfl                        | '078E0000002002'O                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                         |          |

| Structured Type Constraint |                                                                                         |          |
|----------------------------|-----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_e206                                                                        |          |
| <b>Structured Type:</b>    | NCD                                                                                     |          |
| <b>Derivation Path:</b>    | BcchFreqLst_01.                                                                         |          |
| <b>Comments:</b>           | Default neighbour cells description any cell for SYSTEM INFORMATION 2 and 5 under EGSM. |          |
| Element Name               | Element Value                                                                           | Comments |
| rfl                        | '1000000000000000000000000000000000200000'0'O                                           |          |
| <b>Detailed Comments:</b>  |                                                                                         |          |

| Structured Type Constraint |                                                                                         |          |
|----------------------------|-----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_e207                                                                        |          |
| <b>Structured Type:</b>    | NCD                                                                                     |          |
| <b>Derivation Path:</b>    | BcchFreqLst_01.                                                                         |          |
| <b>Comments:</b>           | Default neighbour cells description any cell for SYSTEM INFORMATION 2 and 5 under EGSM. |          |
| Element Name               | Element Value                                                                           | Comments |
| rfl                        | '078904797F83F980'O                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                         |          |

| Structured Type Constraint |                                                                                         |          |
|----------------------------|-----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_e208                                                                        |          |
| <b>Structured Type:</b>    | NCD                                                                                     |          |
| <b>Derivation Path:</b>    | BcchFreqLst_01.                                                                         |          |
| <b>Comments:</b>           | Default neighbour cells description any cell for SYSTEM INFORMATION 2 and 5 under EGSM. |          |
| Element Name               | Element Value                                                                           | Comments |
| rfl                        | '058C0026D000'O                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                         |          |

| Structured Type Constraint |                                                                                         |          |
|----------------------------|-----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_e209                                                                        |          |
| <b>Structured Type:</b>    | NCD                                                                                     |          |
| <b>Derivation Path:</b>    | BcchFreqLst_01.                                                                         |          |
| <b>Comments:</b>           | Default neighbour cells description any cell for SYSTEM INFORMATION 2 and 5 under EGSM. |          |
| Element Name               | Element Value                                                                           | Comments |
| rfl                        | '058A00137400'O                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                         |          |

| Structured Type Constraint |                                                                                         |          |
|----------------------------|-----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_e210                                                                        |          |
| <b>Structured Type:</b>    | NCD                                                                                     |          |
| <b>Derivation Path:</b>    | BcchFreqLst_01.                                                                         |          |
| <b>Comments:</b>           | Default neighbour cells description any cell for SYSTEM INFORMATION 2 and 5 under EGSM. |          |
| Element Name               | Element Value                                                                           | Comments |
| rfl                        | '0583E8100500'O                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                         |          |

| Structured Type Constraint |                                                                                         |          |
|----------------------------|-----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_e211                                                                        |          |
| <b>Structured Type:</b>    | NCD                                                                                     |          |
| <b>Derivation Path:</b>    | BcchFreqLst_01.                                                                         |          |
| <b>Comments:</b>           | Default neighbour cells description any cell for SYSTEM INFORMATION 2 and 5 under EGSM. |          |
| Element Name               | Element Value                                                                           | Comments |
| rfl                        | '058FBA020014'O                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                         |          |

| Structured Type Constraint |                                                                                         |          |
|----------------------------|-----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | BcchFreqLst_e212                                                                        |          |
| <b>Structured Type:</b>    | NCD                                                                                     |          |
| <b>Derivation Path:</b>    | BcchFreqLst_01.                                                                         |          |
| <b>Comments:</b>           | Default neighbour cells description any cell for SYSTEM INFORMATION 2 and 5 under EGSM. |          |
| Element Name               | Element Value                                                                           | Comments |
| rfl                        | '06890478FCC000'O                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                         |          |

| Structured Type Constraint |                          |          |
|----------------------------|--------------------------|----------|
| <b>Constraint Name:</b>    | CallState_01(st:INTEGER) |          |
| <b>Structured Type:</b>    | CST                      |          |
| <b>Derivation Path:</b>    |                          |          |
| <b>Comments:</b>           | CC state 'st'            |          |
| Element Name               | Element Value            | Comments |
| cs                         | '11'B                    |          |
| csv                        | INT_TO_BIT(st, 6)        |          |
| <b>Detailed Comments:</b>  |                          |          |

| Structured Type Constraint |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Cause_Def                                                                 |          |
| <b>Structured Type:</b>    | CAU                                                                       |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | cause information element with any valid cause value, any valid location. |          |
| Element Name               | Element Value                                                             | Comments |
| iei                        | OMIT                                                                      |          |
| iel                        | '02'O                                                                     |          |
| extb3                      | '1'B                                                                      |          |
| cs                         | '11'B                                                                     |          |
| spb                        | '0'B                                                                      |          |
| location                   | ('0000'B, '0001'B, '0010'B, '0011'B, '0100'B, '0101'B, '0111'B, '1010'B)  |          |
| extb3a                     | OMIT                                                                      |          |
| rec                        | OMIT                                                                      |          |
| extb4                      | '1'B                                                                      |          |
| cau_class                  | ?                                                                         |          |
| cau_va                     | ?                                                                         |          |
| cau_di                     | *                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| Structured Type Constraint |                                                                    |          |
|----------------------------|--------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Cause_01                                                           |          |
| <b>Structured Type:</b>    | CAU                                                                |          |
| <b>Derivation Path:</b>    |                                                                    |          |
| <b>Comments:</b>           | cause information element with cause value = #16, location = user. |          |
| Element Name               | Element Value                                                      | Comments |
| iei                        | OMIT                                                               |          |
| iel                        | '02'O                                                              |          |
| extb3                      | '1'B                                                               |          |
| cs                         | '11'B                                                              |          |
| spb                        | '0'B                                                               |          |
| location                   | '0000'B                                                            |          |
| extb3a                     | OMIT                                                               |          |
| rec                        | OMIT                                                               |          |
| extb4                      | '1'B                                                               |          |
| cau_class                  | '001'B                                                             |          |
| cau_va                     | '0000'B                                                            |          |
| cau_di                     | OMIT                                                               |          |
| <b>Detailed Comments:</b>  |                                                                    |          |

| Structured Type Constraint |                 |          |
|----------------------------|-----------------|----------|
| <b>Constraint Name:</b>    | Cause_02        |          |
| <b>Structured Type:</b>    | CAU             |          |
| <b>Derivation Path:</b>    | Cause_01.       |          |
| <b>Comments:</b>           | cause value #97 |          |
| Element Name               | Element Value   | Comments |
| iel                        | ?               |          |
| location                   | ?               |          |
| cau_class                  | '110'B          |          |
| cau_va                     | '0001'B         |          |
| cau_di                     | *               |          |
| <b>Detailed Comments:</b>  |                 |          |

| Structured Type Constraint |                                                              |          |
|----------------------------|--------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Cause_03                                                     |          |
| <b>Structured Type:</b>    | CAU                                                          |          |
| <b>Derivation Path:</b>    | Cause_01.Cause_02.                                           |          |
| <b>Comments:</b>           | cause #98 -- message type not compatible with protocol state |          |
| Element Name               | Element Value                                                | Comments |
| cau_va                     | '0010'B                                                      |          |
| <b>Detailed Comments:</b>  |                                                              |          |

| Structured Type Constraint |                                                         |          |
|----------------------------|---------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Cause_04                                                |          |
| <b>Structured Type:</b>    | CAU                                                     |          |
| <b>Derivation Path:</b>    | Cause_01.Cause_02.                                      |          |
| <b>Comments:</b>           | The cause value is #96 -- invalid mandatory information |          |
| Element Name               | Element Value                                           | Comments |
| cau_va                     | '0000'B                                                 |          |
| <b>Detailed Comments:</b>  |                                                         |          |

| Structured Type Constraint |                                                         |          |
|----------------------------|---------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Cause_04iei                                             |          |
| <b>Structured Type:</b>    | CAU                                                     |          |
| <b>Derivation Path:</b>    | Cause_01.Cause_02.                                      |          |
| <b>Comments:</b>           | The cause value is #96 -- invalid mandatory information |          |
| Element Name               | Element Value                                           | Comments |
| iei                        | '00001000'B                                             |          |
| iel                        | ?                                                       |          |
| extb3                      | '1'B                                                    |          |
| cs                         | '11'B                                                   |          |
| spb                        | '0'B                                                    |          |
| location                   | ?                                                       |          |
| extb3a                     | OMIT                                                    |          |
| rec                        | OMIT                                                    |          |
| extb4                      | '1'B                                                    |          |
| cau_class                  | '110'B                                                  |          |
| cau_va                     | '0000'B                                                 |          |
| cau_di                     | *                                                       |          |
| <b>Detailed Comments:</b>  |                                                         |          |

| Structured Type Constraint |                                                           |          |
|----------------------------|-----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Cause_06                                                  |          |
| <b>Structured Type:</b>    | CAU                                                       |          |
| <b>Derivation Path:</b>    | Cause_01.                                                 |          |
| <b>Comments:</b>           | Cause information element containing arbitrary spare bits |          |
| Element Name               | Element Value                                             | Comments |
| spb                        | '1'B                                                      |          |
| cau_class                  | '000'B                                                    |          |
| cau_va                     | '0001'B                                                   |          |
| <b>Detailed Comments:</b>  |                                                           |          |

| Structured Type Constraint |                                                   |          |
|----------------------------|---------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Cause_07                                          |          |
| <b>Structured Type:</b>    | CAU                                               |          |
| <b>Derivation Path:</b>    | Cause_01.                                         |          |
| <b>Comments:</b>           | cause information element with cause value = #81. |          |
| Element Name               | Element Value                                     | Comments |
| iei                        | '00001000'B                                       |          |
| iel                        | ?                                                 |          |
| location                   | ?                                                 |          |
| cau_class                  | '101'B                                            |          |
| cau_va                     | '0001'B                                           |          |
| cau_di                     | *                                                 |          |
| <b>Detailed Comments:</b>  |                                                   |          |

| Structured Type Constraint |                       |          |
|----------------------------|-----------------------|----------|
| <b>Constraint Name:</b>    | Cause_08              |          |
| <b>Structured Type:</b>    | CAU                   |          |
| <b>Derivation Path:</b>    |                       |          |
| <b>Comments:</b>           | used as an unknown IE |          |
| Element Name               | Element Value         | Comments |
| iei                        | '00100100'B           |          |
| iel                        | '01'O                 |          |
| extb3                      | '1'B                  |          |
| cs                         | '11'B                 |          |
| spb                        | '1'B                  |          |
| location                   | '1111'B               |          |
| extb3a                     | OMIT                  |          |
| rec                        | OMIT                  |          |
| extb4                      | OMIT                  |          |
| cau_class                  | OMIT                  |          |
| cau_va                     | OMIT                  |          |
| cau_di                     | OMIT                  |          |
| <b>Detailed Comments:</b>  |                       |          |

| Structured Type Constraint |                       |          |
|----------------------------|-----------------------|----------|
| <b>Constraint Name:</b>    | Cause_09              |          |
| <b>Structured Type:</b>    | CAU                   |          |
| <b>Derivation Path:</b>    | Cause_08.             |          |
| <b>Comments:</b>           | used as an unknown IE |          |
| Element Name               | Element Value         | Comments |
| iei                        | '01111101'B           |          |
| iel                        | '01'O                 |          |
| extb3                      | '1'B                  |          |
| cs                         | '11'B                 |          |
| spb                        | '0'B                  |          |
| location                   | '1110'B               |          |
| <b>Detailed Comments:</b>  |                       |          |

| Structured Type Constraint |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Cause_10                                                          |          |
| <b>Structured Type:</b>    | CAU                                                               |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | cause information element with cause value = #1, location = user. |          |
| Element Name               | Element Value                                                     | Comments |
| iei                        | '00001000'B                                                       |          |
| iel                        | '02'O                                                             |          |
| extb3                      | '1'B                                                              |          |
| cs                         | '11'B                                                             |          |
| spb                        | '0'B                                                              |          |
| location                   | '0000'B                                                           |          |
| extb3a                     | OMIT                                                              |          |
| rec                        | OMIT                                                              |          |
| extb4                      | '1'B                                                              |          |
| cau_class                  | '000'B                                                            |          |
| cau_va                     | '0001'B                                                           |          |
| cau_di                     | OMIT                                                              |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| Structured Type Constraint |                                                   |          |
|----------------------------|---------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Cause_11                                          |          |
| <b>Structured Type:</b>    | CAU                                               |          |
| <b>Derivation Path:</b>    |                                                   |          |
| <b>Comments:</b>           | cause information element with cause value = #31. |          |
| Element Name               | Element Value                                     | Comments |
| iei                        | '00001000'B                                       |          |
| iel                        | '02'O                                             |          |
| extb3                      | '1'B                                              |          |
| cs                         | '11'B                                             |          |
| spb                        | '0'B                                              |          |
| location                   | '0000'B                                           |          |
| extb3a                     | OMIT                                              |          |
| rec                        | OMIT                                              |          |
| extb4                      | '1'B                                              |          |
| cau_class                  | '001'B                                            |          |
| cau_va                     | '1111'B                                           |          |
| cau_di                     | OMIT                                              |          |
| <b>Detailed Comments:</b>  |                                                   |          |

| Structured Type Constraint |                                                   |          |
|----------------------------|---------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Cause_12                                          |          |
| <b>Structured Type:</b>    | CAU                                               |          |
| <b>Derivation Path:</b>    |                                                   |          |
| <b>Comments:</b>           | cause information element with cause value = #88. |          |
| Element Name               | Element Value                                     | Comments |
| iei                        | '00001000'B                                       |          |
| iel                        | '02'O                                             |          |
| extb3                      | '1'B                                              |          |
| cs                         | '11'B                                             |          |
| spb                        | '0'B                                              |          |
| location                   | '????'B                                           |          |
| extb3a                     | OMIT                                              |          |
| rec                        | OMIT                                              |          |
| extb4                      | '1'B                                              |          |
| cau_class                  | '101'B                                            |          |
| cau_va                     | '1000'B                                           |          |
| cau_di                     | OMIT                                              |          |
| <b>Detailed Comments:</b>  |                                                   |          |

| Structured Type Constraint |                                                   |          |
|----------------------------|---------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Cause_13                                          |          |
| <b>Structured Type:</b>    | CAU                                               |          |
| <b>Derivation Path:</b>    |                                                   |          |
| <b>Comments:</b>           | cause information element with cause value = #21. |          |
| Element Name               | Element Value                                     | Comments |
| iei                        | '00001000'B                                       |          |
| iel                        | '02'O                                             |          |
| extb3                      | '1'B                                              |          |
| cs                         | '11'B                                             |          |
| spb                        | '0'B                                              |          |
| location                   | '????'B                                           |          |
| extb3a                     | OMIT                                              |          |
| rec                        | OMIT                                              |          |
| extb4                      | '1'B                                              |          |
| cau_class                  | '001'B                                            |          |
| cau_va                     | '0101'B                                           |          |
| cau_di                     | OMIT                                              |          |
| <b>Detailed Comments:</b>  |                                                   |          |

| Structured Type Constraint |                                                    |          |
|----------------------------|----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Cause_14                                           |          |
| <b>Structured Type:</b>    | CAU                                                |          |
| <b>Derivation Path:</b>    |                                                    |          |
| <b>Comments:</b>           | cause information element with cause value = #102. |          |
| Element Name               | Element Value                                      | Comments |
| iei                        | '00001000'B                                        |          |
| iel                        | ?                                                  |          |
| extb3                      | '1'B                                               |          |
| cs                         | '11'B                                              |          |
| spb                        | '0'B                                               |          |
| location                   | '????'B                                            |          |
| extb3a                     | OMIT                                               |          |
| rec                        | OMIT                                               |          |
| extb4                      | '1'B                                               |          |
| cau_class                  | '110'B                                             |          |
| cau_va                     | '0110'B                                            |          |
| cau_di                     | *                                                  |          |
| <b>Detailed Comments:</b>  |                                                    |          |



| Structured Type Constraint |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Cause_15                                                   |          |
| <b>Structured Type:</b>    | CAU                                                        |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | cause information element with cause value = #47, n -> ms. |          |
| Element Name               | Element Value                                              | Comments |
| iei                        | OMIT                                                       |          |
| iel                        | '02'O                                                      |          |
| extb3                      | '1'B                                                       |          |
| cs                         | '11'B                                                      |          |
| spb                        | '0'B                                                       |          |
| location                   | '0010'B                                                    |          |
| extb3a                     | OMIT                                                       |          |
| rec                        | OMIT                                                       |          |
| extb4                      | '1'B                                                       |          |
| cau_class                  | '010'B                                                     |          |
| cau_va                     | '1111'B                                                    |          |
| cau_di                     | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| Structured Type Constraint |                                                                                                      |          |
|----------------------------|------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Cause_16                                                                                             |          |
| <b>Structured Type:</b>    | CAU                                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                                      |          |
| <b>Comments:</b>           | cause information element with cause value = #58 bearer capability not presently available, n -> ms. |          |
| Element Name               | Element Value                                                                                        | Comments |
| iei                        | OMIT                                                                                                 |          |
| iel                        | '02'O                                                                                                |          |
| extb3                      | '1'B                                                                                                 |          |
| cs                         | '11'B                                                                                                |          |
| spb                        | '0'B                                                                                                 |          |
| location                   | '0010'B                                                                                              |          |
| extb3a                     | OMIT                                                                                                 |          |
| rec                        | OMIT                                                                                                 |          |
| extb4                      | '1'B                                                                                                 |          |
| cau_class                  | '011'B                                                                                               |          |
| cau_va                     | '1010'B                                                                                              |          |
| cau_di                     | OMIT                                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                      |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Cause_17                                                                                    |          |
| <b>Structured Type:</b>    | CAU                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                             |          |
| <b>Comments:</b>           | optional (IEI present) cause information element with cause value = #17 user busy. ms -> n. |          |
| Element Name               | Element Value                                                                               | Comments |
| iei                        | '00001000'B                                                                                 |          |
| iel                        | ?                                                                                           |          |
| extb3                      | '1'B                                                                                        |          |
| cs                         | '11'B                                                                                       |          |
| spb                        | '0'B                                                                                        |          |
| location                   | '????'B                                                                                     |          |
| extb3a                     | OMIT                                                                                        |          |
| rec                        | OMIT                                                                                        |          |
| extb4                      | '1'B                                                                                        |          |
| cau_class                  | '001'B                                                                                      |          |
| cau_va                     | '0001'B                                                                                     |          |
| cau_di                     | *                                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                                                       |          |
|----------------------------|---------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Cause_18                                                                              |          |
| <b>Structured Type:</b>    | CAU                                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                       |          |
| <b>Comments:</b>           | cause information element with cause value = #30 response to status enquiry. ms -> n. |          |
| Element Name               | Element Value                                                                         | Comments |
| iei                        | OMIT                                                                                  |          |
| iel                        | ?                                                                                     |          |
| extb3                      | '1'B                                                                                  |          |
| cs                         | '11'B                                                                                 |          |
| spb                        | '0'B                                                                                  |          |
| location                   | '????'B                                                                               |          |
| extb3a                     | OMIT                                                                                  |          |
| rec                        | OMIT                                                                                  |          |
| extb4                      | '1'B                                                                                  |          |
| cau_class                  | '001'B                                                                                |          |
| cau_va                     | '1110'B                                                                               |          |
| cau_di                     | *                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                       |          |

| Structured Type Constraint |                                                                  |          |
|----------------------------|------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Cause_20                                                         |          |
| <b>Structured Type:</b>    | CAU                                                              |          |
| <b>Derivation Path:</b>    |                                                                  |          |
| <b>Comments:</b>           | cause information element with cause value = #16 to be received. |          |
| Element Name               | Element Value                                                    | Comments |
| iei                        | '00001000'B                                                      |          |
| iel                        | ?                                                                |          |
| extb3                      | ?                                                                |          |
| cs                         | ?                                                                |          |
| spb                        | '0'B                                                             |          |
| location                   | ?                                                                |          |
| extb3a                     | *                                                                |          |
| rec                        | *                                                                |          |
| extb4                      | '1'B                                                             |          |
| cau_class                  | '001'B                                                           |          |
| cau_va                     | '0000'B                                                          |          |
| cau_di                     | *                                                                |          |
| <b>Detailed Comments:</b>  |                                                                  |          |

| Structured Type Constraint |                                                   |          |
|----------------------------|---------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Cause_22                                          |          |
| <b>Structured Type:</b>    | CAU                                               |          |
| <b>Derivation Path:</b>    |                                                   |          |
| <b>Comments:</b>           | cause information element with cause value = #81. |          |
| Element Name               | Element Value                                     | Comments |
| iei                        | '00001000'B                                       |          |
| iel                        | '02'O                                             |          |
| extb3                      | '1'B                                              |          |
| cs                         | '11'B                                             |          |
| spb                        | '0'B                                              |          |
| location                   | '????'B                                           |          |
| extb3a                     | OMIT                                              |          |
| rec                        | OMIT                                              |          |
| extb4                      | '1'B                                              |          |
| cau_class                  | '101'B                                            |          |
| cau_va                     | '0001'B                                           |          |
| cau_di                     | OMIT                                              |          |
| <b>Detailed Comments:</b>  |                                                   |          |

| Structured Type Constraint |                                                    |          |
|----------------------------|----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Cause_23                                           |          |
| <b>Structured Type:</b>    | CAU                                                |          |
| <b>Derivation Path:</b>    |                                                    |          |
| <b>Comments:</b>           | cause information element with cause value = #102. |          |
| Element Name               | Element Value                                      | Comments |
| iei                        | '00001000'B                                        |          |
| iel                        | '02'O                                              |          |
| extb3                      | '1'B                                               |          |
| cs                         | '11'B                                              |          |
| spb                        | '0'B                                               |          |
| location                   | '0000'B                                            |          |
| extb3a                     | OMIT                                               |          |
| rec                        | OMIT                                               |          |
| extb4                      | '1'B                                               |          |
| cau_class                  | '110'B                                             |          |
| cau_va                     | '0110'B                                            |          |
| cau_di                     | OMIT                                               |          |
| <b>Detailed Comments:</b>  |                                                    |          |

| Structured Type Constraint |                                                                    |          |
|----------------------------|--------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Cause_24                                                           |          |
| <b>Structured Type:</b>    | CAU                                                                |          |
| <b>Derivation Path:</b>    |                                                                    |          |
| <b>Comments:</b>           | cause information element with cause value = #68, location = user. |          |
| Element Name               | Element Value                                                      | Comments |
| iei                        | '00001000'B                                                        |          |
| iel                        | '02'O                                                              |          |
| extb3                      | '1'B                                                               |          |
| cs                         | '11'B                                                              |          |
| spb                        | '0'B                                                               |          |
| location                   | '0000'B                                                            |          |
| extb3a                     | OMIT                                                               |          |
| rec                        | OMIT                                                               |          |
| extb4                      | '1'B                                                               |          |
| cau_class                  | '100'B                                                             |          |
| cau_va                     | '0100'B                                                            |          |
| cau_di                     | OMIT                                                               |          |
| <b>Detailed Comments:</b>  |                                                                    |          |

| Structured Type Constraint |                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Cause_25                                                                                  |          |
| <b>Structured Type:</b>    | CAU                                                                                       |          |
| <b>Derivation Path:</b>    | Cause_01.                                                                                 |          |
| <b>Comments:</b>           | optional (IEI present) cause information element with cause value = #16, location = user. |          |
| Element Name               | Element Value                                                                             | Comments |
| iei                        | '00001000'B                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                           |          |

| Structured Type Constraint |                                                                    |          |
|----------------------------|--------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Cause_26                                                           |          |
| <b>Structured Type:</b>    | CAU                                                                |          |
| <b>Derivation Path:</b>    |                                                                    |          |
| <b>Comments:</b>           | cause information element with cause value = #16, location = user. |          |
| Element Name               | Element Value                                                      | Comments |
| iei                        | '00001000'B                                                        |          |
| iel                        | '02'O                                                              |          |
| extb3                      | '1'B                                                               |          |
| cs                         | '11'B                                                              |          |
| spb                        | '0'B                                                               |          |
| location                   | '0000'B                                                            |          |
| extb3a                     | OMIT                                                               |          |
| rec                        | OMIT                                                               |          |
| extb4                      | '1'B                                                               |          |
| cau_class                  | '001'B                                                             |          |
| cau_va                     | '0000'B                                                            |          |
| cau_di                     | OMIT                                                               |          |
| <b>Detailed Comments:</b>  |                                                                    |          |

| Structured Type Constraint |                 |          |
|----------------------------|-----------------|----------|
| <b>Constraint Name:</b>    | Cause_27        |          |
| <b>Structured Type:</b>    | CAU             |          |
| <b>Derivation Path:</b>    | Cause_26.       |          |
| <b>Comments:</b>           | cause value #88 |          |
| Element Name               | Element Value   | Comments |
| iel                        | ?               |          |
| location                   | ?               |          |
| extb3a                     | OMIT            |          |
| rec                        | OMIT            |          |
| cau_class                  | '101'B          |          |
| cau_va                     | '1000'B         |          |
| cau_di                     | *               |          |
| <b>Detailed Comments:</b>  |                 |          |

| Structured Type Constraint |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Cause_28                                                                       |          |
| <b>Structured Type:</b>    | CAU                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                |          |
| <b>Comments:</b>           | cause information element with cause value = #29 'facility rejected', n -> ms. |          |
| Element Name               | Element Value                                                                  | Comments |
| iei                        | '00001000'B                                                                    |          |
| iel                        | '02'O                                                                          |          |
| extb3                      | '1'B                                                                           |          |
| cs                         | '11'B                                                                          |          |
| spb                        | '0'B                                                                           |          |
| location                   | '0010'B                                                                        |          |
| extb3a                     | OMIT                                                                           |          |
| rec                        | OMIT                                                                           |          |
| extb4                      | '1'B                                                                           |          |
| cau_class                  | '001'B                                                                         |          |
| cau_va                     | '1101'B                                                                        |          |
| cau_di                     | OMIT                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| <b>Structured Type Constraint</b> |               |          |
|-----------------------------------|---------------|----------|
| <b>Constraint Name:</b>           | Cdpn_01       |          |
| <b>Structured Type:</b>           | CDPN          |          |
| <b>Derivation Path:</b>           |               |          |
| <b>Comments:</b>                  |               |          |
| Element Name                      | Element Value | Comments |
| iei                               | '01011110'B   |          |
| iel                               | '02'O         |          |
| tonnpi                            | TonNpi_02     |          |
| digits                            | '01'O         |          |
| <b>Detailed Comments:</b>         |               |          |

| <b>Structured Type Constraint</b> |               |          |
|-----------------------------------|---------------|----------|
| <b>Constraint Name:</b>           | Cdps_01       |          |
| <b>Structured Type:</b>           | CDPS          |          |
| <b>Derivation Path:</b>           |               |          |
| <b>Comments:</b>                  |               |          |
| Element Name                      | Element Value | Comments |
| iei                               | '01101101'B   |          |
| iel                               | '03'O         |          |
| subad                             | SubAdd_01     |          |
| <b>Detailed Comments:</b>         |               |          |

| <b>Structured Type Constraint</b> |                                              |          |
|-----------------------------------|----------------------------------------------|----------|
| <b>Constraint Name:</b>           | Ca1_g01                                      |          |
| <b>Structured Type:</b>           | CCHD                                         |          |
| <b>Derivation Path:</b>           |                                              |          |
| <b>Comments:</b>                  | ARFCNs = 1.. 64 for GSM of TC_26_6_6_1       |          |
| Element Name                      | Element Value                                | Comments |
| iei                               | OMIT                                         |          |
| rfl                               | '00000000000000000000FFFFFFFFFFFFFFFF<br>F'O |          |
| <b>Detailed Comments:</b>         |                                              |          |

| <b>Structured Type Constraint</b> |                                          |          |
|-----------------------------------|------------------------------------------|----------|
| <b>Constraint Name:</b>           | Ca1_g02                                  |          |
| <b>Structured Type:</b>           | CCHD                                     |          |
| <b>Derivation Path:</b>           |                                          |          |
| <b>Comments:</b>                  | ARFCNs = 61.. 124 for GSM of TC_26_6_6_1 |          |
| Element Name                      | Element Value                            | Comments |
| iei                               | OMIT                                     |          |
| rfl                               | '0FFFFFFFFFFFFFFFF000000000000<br>0'O    |          |
| <b>Detailed Comments:</b>         |                                          |          |

| <b>Structured Type Constraint</b> |                                                        |          |
|-----------------------------------|--------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Ca1_g03                                                |          |
| <b>Structured Type:</b>           | CCHD                                                   |          |
| <b>Derivation Path:</b>           |                                                        |          |
| <b>Comments:</b>                  | ARFCNs = 1, 3, 5, ...,123, 2, 4 for GSM of TC_26_6_6_1 |          |
| Element Name                      | Element Value                                          | Comments |
| iei                               | OMIT                                                   |          |
| rfl                               | '0555555555555555555555555555555F'<br>O                |          |
| <b>Detailed Comments:</b>         |                                                        |          |

| Structured Type Constraint |                                                          |          |
|----------------------------|----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ca1_g04                                                  |          |
| <b>Structured Type:</b>    | CCHD                                                     |          |
| <b>Derivation Path:</b>    |                                                          |          |
| <b>Comments:</b>           | ARFCNs = 2, 4, 6, ..., 124, 1, 3, for GSM of TC_26_6_6_1 |          |
| Element Name               | Element Value                                            | Comments |
| iei                        | OMIT                                                     |          |
| rfl                        | 'OAAAAAAAAAAAAAAAAAAAAAAAAAAAA<br>AAAAF'O                |          |
| <b>Detailed Comments:</b>  |                                                          |          |

| Structured Type Constraint |                                              |          |
|----------------------------|----------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ca1_g05                                      |          |
| <b>Structured Type:</b>    | CCHD                                         |          |
| <b>Derivation Path:</b>    |                                              |          |
| <b>Comments:</b>           | ARFCNs = 21, ..., 84, for GSM of TC_26_6_6_1 |          |
| Element Name               | Element Value                                | Comments |
| iei                        | OMIT                                         |          |
| rfl                        | '000000000000FFFFFFFFFFFFFFFF0000<br>0'O     |          |
| <b>Detailed Comments:</b>  |                                              |          |

| Structured Type Constraint |                                                           |          |
|----------------------------|-----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ca1_g06                                                   |          |
| <b>Structured Type:</b>    | CCHD                                                      |          |
| <b>Derivation Path:</b>    |                                                           |          |
| <b>Comments:</b>           | ARFCNs = 81, ..., 124, 1, ..., 20, for GSM of TC_26_6_6_1 |          |
| Element Name               | Element Value                                             | Comments |
| iei                        | OMIT                                                      |          |
| rfl                        | 'OFFFFFFFFF00000000000000FFFF<br>F'O                      |          |
| <b>Detailed Comments:</b>  |                                                           |          |

| Structured Type Constraint |                                              |          |
|----------------------------|----------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ca1_g07                                      |          |
| <b>Structured Type:</b>    | CCHD                                         |          |
| <b>Derivation Path:</b>    |                                              |          |
| <b>Comments:</b>           | ARFCNs = 11, ..., 74, for GSM of TC_26_6_6_1 |          |
| Element Name               | Element Value                                | Comments |
| iei                        | OMIT                                         |          |
| rfl                        | '00000000000003FFFFFFFFFFFFFFC0<br>0'O       |          |
| <b>Detailed Comments:</b>  |                                              |          |

| Structured Type Constraint |                                              |          |
|----------------------------|----------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ca1_g08                                      |          |
| <b>Structured Type:</b>    | CCHD                                         |          |
| <b>Derivation Path:</b>    |                                              |          |
| <b>Comments:</b>           | ARFCNs = 31, ..., 94, for GSM of TC_26_6_6_1 |          |
| Element Name               | Element Value                                | Comments |
| iei                        | OMIT                                         |          |
| rfl                        | '000000003FFFFFFFFFFFFFFC000000<br>0'O       |          |
| <b>Detailed Comments:</b>  |                                              |          |

| Structured Type Constraint |                                               |          |
|----------------------------|-----------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ca1_g09                                       |          |
| <b>Structured Type:</b>    | CCHD                                          |          |
| <b>Derivation Path:</b>    |                                               |          |
| <b>Comments:</b>           | ARFCNs = 51, ..., 114, for GSM of TC_26_6_6_1 |          |
| Element Name               | Element Value                                 | Comments |
| iei                        | OMIT                                          |          |
| rfl                        | '0003FFFFFFFFFFFFFFFFC00000000000'<br>O       |          |
| <b>Detailed Comments:</b>  |                                               |          |

| Structured Type Constraint          |                                         |          |
|-------------------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>             | Ca2_g01                                 |          |
| <b>Structured Type:</b>             | CCHD                                    |          |
| <b>Derivation Path:</b>             |                                         |          |
| <b>Comments:</b>                    | 30 ARFCNs for GSM of TC_26_6_6_1        |          |
| Element Name                        | Element Value                           | Comments |
| iei                                 | '01100010'B                             |          |
| rfl                                 | '0F00F000003C003C0000FE003C008081'<br>O |          |
| <b>Detailed Comments:</b> 30 ARFCHs |                                         |          |

| Structured Type Constraint          |                                         |          |
|-------------------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>             | Ca2_g02                                 |          |
| <b>Structured Type:</b>             | CCHD                                    |          |
| <b>Derivation Path:</b>             |                                         |          |
| <b>Comments:</b>                    | 30 ARFCNs for GSM of TC_26_6_6_1        |          |
| Element Name                        | Element Value                           | Comments |
| iei                                 | '01100010'B                             |          |
| rfl                                 | '0101F1F1010101012101011111111111'<br>O |          |
| <b>Detailed Comments:</b> 30 ARFCHs |                                         |          |

| Structured Type Constraint          |                                             |          |
|-------------------------------------|---------------------------------------------|----------|
| <b>Constraint Name:</b>             | Ca2_g03                                     |          |
| <b>Structured Type:</b>             | CCHD                                        |          |
| <b>Derivation Path:</b>             |                                             |          |
| <b>Comments:</b>                    | 30 ARFCNs for GSM of TC_26_6_6_1            |          |
| Element Name                        | Element Value                               | Comments |
| iei                                 | '01100010'B                                 |          |
| rfl                                 | '00101010101010101010101010101010FFFF'<br>O |          |
| <b>Detailed Comments:</b> 30 ARFCHs |                                             |          |

| Structured Type Constraint          |                                           |          |
|-------------------------------------|-------------------------------------------|----------|
| <b>Constraint Name:</b>             | Ca2_g04                                   |          |
| <b>Structured Type:</b>             | CCHD                                      |          |
| <b>Derivation Path:</b>             |                                           |          |
| <b>Comments:</b>                    | 30 ARFCNs for GSM of TC_26_6_6_1          |          |
| Element Name                        | Element Value                             | Comments |
| iei                                 | '01100010'B                               |          |
| rfl                                 | '0090909090909090909090909090909090'<br>O |          |
| <b>Detailed Comments:</b> 30 ARFCHs |                                           |          |





| Structured Type Constraint |                                           |          |
|----------------------------|-------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ca3_g01                                   |          |
| <b>Structured Type:</b>    | CCHD                                      |          |
| <b>Derivation Path:</b>    |                                           |          |
| <b>Comments:</b>           | 12 ARFCNs for GSM of TC_26_6_6_1          |          |
| Element Name               | Element Value                             | Comments |
| iei                        | '01100010'B                               |          |
| rfl                        | '0000000000000000000000000000E0F0F1'<br>O |          |
| <b>Detailed Comments:</b>  | 12 ARFCHs                                 |          |

| Structured Type Constraint |                                         |          |
|----------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>    | Ca3_g02                                 |          |
| <b>Structured Type:</b>    | CCHD                                    |          |
| <b>Derivation Path:</b>    |                                         |          |
| <b>Comments:</b>           | 12 ARFCNs for GSM of TC_26_6_6_1        |          |
| Element Name               | Element Value                           | Comments |
| iei                        | '01100010'B                             |          |
| rfl                        | '00010001010001012001010001018080'<br>O |          |
| <b>Detailed Comments:</b>  | 12 ARFCHs                               |          |

| Structured Type Constraint |                                         |          |
|----------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>    | Ca3_g03                                 |          |
| <b>Structured Type:</b>    | CCHD                                    |          |
| <b>Derivation Path:</b>    |                                         |          |
| <b>Comments:</b>           | 12 ARFCNs for GSM of TC_26_6_6_1        |          |
| Element Name               | Element Value                           | Comments |
| iei                        | '01100010'B                             |          |
| rfl                        | '00C0008000C000C000C000C000000010'<br>O |          |
| <b>Detailed Comments:</b>  | 12 ARFCHs                               |          |

| Structured Type Constraint |                                         |          |
|----------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>    | Ca3_g04                                 |          |
| <b>Structured Type:</b>    | CCHD                                    |          |
| <b>Derivation Path:</b>    |                                         |          |
| <b>Comments:</b>           | 12 ARFCNs for GSM of TC_26_6_6_1        |          |
| Element Name               | Element Value                           | Comments |
| iei                        | '01100010'B                             |          |
| rfl                        | '00000000080018180000180018001880'<br>O |          |
| <b>Detailed Comments:</b>  | 12 ARFCHs                               |          |

| Structured Type Constraint |                                         |          |
|----------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>    | Ca3_g05                                 |          |
| <b>Structured Type:</b>    | CCHD                                    |          |
| <b>Derivation Path:</b>    |                                         |          |
| <b>Comments:</b>           | 12 ARFCNs for GSM of TC_26_6_6_1        |          |
| Element Name               | Element Value                           | Comments |
| iei                        | '01100010'B                             |          |
| rfl                        | '00000000002000240024002401240024'<br>O |          |
| <b>Detailed Comments:</b>  | 12 ARFCHs                               |          |

| Structured Type Constraint |                                         |          |
|----------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>    | Ca3_g06                                 |          |
| <b>Structured Type:</b>    | CCHD                                    |          |
| <b>Derivation Path:</b>    |                                         |          |
| <b>Comments:</b>           | 12 ARFCNs for GSM of TC_26_6_6_1        |          |
| Element Name               | Element Value                           | Comments |
| iei                        | '01100010'B                             |          |
| rfl                        | '00300300003000000300300003000000'<br>O |          |
| <b>Detailed Comments:</b>  | 12 ARFCHs                               |          |

| Structured Type Constraint |                                         |          |
|----------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>    | Ca3_g07                                 |          |
| <b>Structured Type:</b>    | CCHD                                    |          |
| <b>Derivation Path:</b>    |                                         |          |
| <b>Comments:</b>           | 12 ARFCNs for GSM of TC_26_6_6_1        |          |
| Element Name               | Element Value                           | Comments |
| iei                        | '01100010'B                             |          |
| rfl                        | '00101000100000080800080810128080'<br>O |          |
| <b>Detailed Comments:</b>  | 12 ARFCHs                               |          |

| Structured Type Constraint |                                       |          |
|----------------------------|---------------------------------------|----------|
| <b>Constraint Name:</b>    | Ca3_g08                               |          |
| <b>Structured Type:</b>    | CCHD                                  |          |
| <b>Derivation Path:</b>    |                                       |          |
| <b>Comments:</b>           | 12 ARFCNs for GSM of TC_26_6_6_1      |          |
| Element Name               | Element Value                         | Comments |
| iei                        | '01100010'B                           |          |
| rfl                        | '0F00000000000380000002000000F0'<br>O |          |
| <b>Detailed Comments:</b>  | 12 ARFCHs                             |          |

| Structured Type Constraint |                                        |          |
|----------------------------|----------------------------------------|----------|
| <b>Constraint Name:</b>    | Ca3_g09                                |          |
| <b>Structured Type:</b>    | CCHD                                   |          |
| <b>Derivation Path:</b>    |                                        |          |
| <b>Comments:</b>           | 12 ARFCNs for GSM of TC_26_6_6_1       |          |
| Element Name               | Element Value                          | Comments |
| iei                        | '01100010'B                            |          |
| rfl                        | '0081810000000040460000000008181'<br>O |          |
| <b>Detailed Comments:</b>  | 12 ARFCHs                              |          |

| Structured Type Constraint |                                          |          |
|----------------------------|------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ca1_d01                                  |          |
| <b>Structured Type:</b>    | CCHD                                     |          |
| <b>Derivation Path:</b>    |                                          |          |
| <b>Comments:</b>           | 64 ARFCNs for DCS of TC_26_6_6_1         |          |
| Element Name               | Element Value                            | Comments |
| iei                        | OMIT                                     |          |
| rfl                        | '8F5E800000000000FFFFFFFFFFFFFFF'<br>F'O |          |
| <b>Detailed Comments:</b>  | 64 ARFCHs: 749, ..., 812                 |          |

| Structured Type Constraint                         |                                        |          |
|----------------------------------------------------|----------------------------------------|----------|
| <b>Constraint Name:</b>                            | Ca1_d02                                |          |
| <b>Structured Type:</b>                            | CCHD                                   |          |
| <b>Derivation Path:</b>                            |                                        |          |
| <b>Comments:</b>                                   | 64 ARFCNs for DCS of TC_26_6_6_1       |          |
| Element Name                                       | Element Value                          | Comments |
| iei                                                | OMIT                                   |          |
| rfl                                                | '8F5EFFFFFFFFFFFFFFFF8000000000<br>0'O |          |
| <b>Detailed Comments:</b> 64 ARFCHs: 702, ..., 765 |                                        |          |

| Structured Type Constraint                                                                      |                                     |          |
|-------------------------------------------------------------------------------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>                                                                         | Ca1_d03                             |          |
| <b>Structured Type:</b>                                                                         | CCHD                                |          |
| <b>Derivation Path:</b>                                                                         |                                     |          |
| <b>Comments:</b>                                                                                | 64 ARFCNs for DCS of TC_26_6_6_1    |          |
| Element Name                                                                                    | Element Value                       | Comments |
| iei                                                                                             | OMIT                                |          |
| rfl                                                                                             | '8F5ED5555555D5D5D5D5D5D555<br>55'O |          |
| <b>Detailed Comments:</b> 64 ARFCHs: 702, 704, ..., 812, 733, 741, 749, 757, 765, 773, 781, 789 |                                     |          |

| Structured Type Constraint                                                                      |                                      |          |
|-------------------------------------------------------------------------------------------------|--------------------------------------|----------|
| <b>Constraint Name:</b>                                                                         | Ca1_d04                              |          |
| <b>Structured Type:</b>                                                                         | CCHD                                 |          |
| <b>Derivation Path:</b>                                                                         |                                      |          |
| <b>Comments:</b>                                                                                | 64 ARFCNs for DCS of TC_26_6_6_1     |          |
| Element Name                                                                                    | Element Value                        | Comments |
| iei                                                                                             | OMIT                                 |          |
| rfl                                                                                             | '8F5E8000FF00FF00F000FFFFFFFF<br>F'O |          |
| <b>Detailed Comments:</b> 64 ARFCHs: 717, ..., 724, 733, ..., 744, 757, ..., 760, 773, ..., 812 |                                      |          |

| Structured Type Constraint                                                                                                                                                                                              |                                     |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>                                                                                                                                                                                                 | Ca1_d05                             |          |
| <b>Structured Type:</b>                                                                                                                                                                                                 | CCHD                                |          |
| <b>Derivation Path:</b>                                                                                                                                                                                                 |                                     |          |
| <b>Comments:</b>                                                                                                                                                                                                        | 64 ARFCNs for DCS of TC_26_6_6_1    |          |
| Element Name                                                                                                                                                                                                            | Element Value                       | Comments |
| iei                                                                                                                                                                                                                     | OMIT                                |          |
| rfl                                                                                                                                                                                                                     | '8F5EFFFFFFFF0004474747474747<br>'O |          |
| <b>Detailed Comments:</b> 64 ARFCHs: 702, ..., 732, 749, 750, 754, ..., 756, 758, 762, ..., 764, 766, 770, ..., 772, 774, 778, ..., 780, 782, 786, ..., 788, 790, 794, ..., 796, 798, 802, ..., 804, 806, 810, ..., 812 |                                     |          |

| Structured Type Constraint |                                                                                                                                                                                                                             |                 |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <b>Constraint Name:</b>    | Ca1_d06                                                                                                                                                                                                                     |                 |
| <b>Structured Type:</b>    | CCHD                                                                                                                                                                                                                        |                 |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                             |                 |
| <b>Comments:</b>           | 64 ARFCNs for DCS of TC_26_6_6_1                                                                                                                                                                                            |                 |
| <b>Element Name</b>        | <b>Element Value</b>                                                                                                                                                                                                        | <b>Comments</b> |
| iei<br>rfl                 | OMIT<br>'8F5E82FAFAFAFAFAFAFAFA0202027E<br>7E'O                                                                                                                                                                             |                 |
| <b>Detailed Comments:</b>  | 64 ARFCHs: 707, 709, ..., 713, 715, 717, ..., 721, 723, 725, ..., 729, 731, 733, ..., 737, 739, 741, ..., 745, 747, 749, ..., 753, 755, 757, ..., 761, 763, 765, ..., 769, 771, 779, 787, 795, 798, ..., 803, 806, ..., 811 |                 |

| Structured Type Constraint |                                                                                                                                                                                          |                 |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <b>Constraint Name:</b>    | Ca1_d07                                                                                                                                                                                  |                 |
| <b>Structured Type:</b>    | CCHD                                                                                                                                                                                     |                 |
| <b>Derivation Path:</b>    |                                                                                                                                                                                          |                 |
| <b>Comments:</b>           | 64 ARFCNs for DCS of TC_26_6_6_1                                                                                                                                                         |                 |
| <b>Element Name</b>        | <b>Element Value</b>                                                                                                                                                                     | <b>Comments</b> |
| iei<br>rfl                 | OMIT<br>'8F5E8FFFFFFFF000AAAAAAAAAAAA<br>AAA'O                                                                                                                                           |                 |
| <b>Detailed Comments:</b>  | 64 ARFCHs: 705, ..., 736, 749, 751, 753, 755, 757, 759, 761, 763, 765, 767, 769, 771, 773, 775, 777, 779, 781, 783, 785, 787, 789, 791, 793, 795, 797, 799, 801, 803, 805, 807, 809, 811 |                 |

| Structured Type Constraint |                                                                                                                                                                                                             |                 |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <b>Constraint Name:</b>    | Ca1_d08                                                                                                                                                                                                     |                 |
| <b>Structured Type:</b>    | CCHD                                                                                                                                                                                                        |                 |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                             |                 |
| <b>Comments:</b>           | 64 ARFCNs for DCS of TC_26_6_6_1                                                                                                                                                                            |                 |
| <b>Element Name</b>        | <b>Element Value</b>                                                                                                                                                                                        | <b>Comments</b> |
| iei<br>rfl                 | OMIT<br>'8F5ED55555555555555555FFFF00FF00FF<br>'O                                                                                                                                                           |                 |
| <b>Detailed Comments:</b>  | 64 ARFCHs: 702, 704, 706, 708, 710, 712, 714, 716, 718, 720, 722, 724, 726, 728, 730, 732, 734, 76, 738, 740, 742, 744, 746, 748, 750, 852, 754, 756, 758, 760, 762, 764, ..., 780, 789, ..., 796, 805, 812 |                 |

| Structured Type Constraint |                                                 |                 |
|----------------------------|-------------------------------------------------|-----------------|
| <b>Constraint Name:</b>    | Ca1_d09                                         |                 |
| <b>Structured Type:</b>    | CCHD                                            |                 |
| <b>Derivation Path:</b>    |                                                 |                 |
| <b>Comments:</b>           | 64 ARFCNs for DCS of TC_26_6_6_1                |                 |
| <b>Element Name</b>        | <b>Element Value</b>                            | <b>Comments</b> |
| iei<br>rfl                 | OMIT<br>'8F5E8000FFFFFFFF0000FFFFFFFF000<br>0'O |                 |
| <b>Detailed Comments:</b>  | 64 ARFCHs: 717, ..., 748, 765, ..., 796         |                 |

| Structured Type Constraint |                                      |          |
|----------------------------|--------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_01                         |          |
| <b>Structured Type:</b>    | CCHD                                 |          |
| <b>Derivation Path:</b>    |                                      |          |
| <b>Comments:</b>           | ARFCN = 124                          |          |
| Element Name               | Element Value                        | Comments |
| iei                        | '01100010'B                          |          |
| rfl                        | '3800000000000000000000000000000000' |          |
|                            | O                                    |          |
| <b>Detailed Comments:</b>  |                                      |          |

| Structured Type Constraint |                                                                        |          |
|----------------------------|------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_02                                                           |          |
| <b>Structured Type:</b>    | CCHD                                                                   |          |
| <b>Derivation Path:</b>    |                                                                        |          |
| <b>Comments:</b>           | for cell A in RR testing of GSM 900 with the ARFCN_list={20,30,50,70}. |          |
| Element Name               | Element Value                                                          | Comments |
| iei                        | OMIT                                                                   |          |
| rfl                        | '000000000000000200002000020080000'                                    |          |
|                            | O                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                        |          |

| Structured Type Constraint |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_03                                                                     |          |
| <b>Structured Type:</b>    | CCHD                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                  |          |
| <b>Comments:</b>           | for cell A in RR testing of DCS1800 with the ARFCN list = {590, 650, 750, 850}.. |          |
| Element Name               | Element Value                                                                    | Comments |
| iei                        | OMIT                                                                             |          |
| rfl                        | '89272827190000000000000000000000'                                               |          |
|                            | O                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |

| Structured Type Constraint |                                      |          |
|----------------------------|--------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_04                         |          |
| <b>Structured Type:</b>    | CCHD                                 |          |
| <b>Derivation Path:</b>    |                                      |          |
| <b>Comments:</b>           | for cell B in RR testing of GSM 900. |          |
| Element Name               | Element Value                        | Comments |
| iei                        | OMIT                                 |          |
| rfl                        | '00000000000000000000000000000200'   |          |
|                            | O                                    |          |
| <b>Detailed Comments:</b>  |                                      |          |

| Structured Type Constraint |                                                |          |
|----------------------------|------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_05                                   |          |
| <b>Structured Type:</b>    | CCHD                                           |          |
| <b>Derivation Path:</b>    | CellChDes_04.                                  |          |
| <b>Comments:</b>           | for cell N1 in measurement testing of GSM 900. |          |
| Element Name               | Element Value                                  | Comments |
| rfl                        | '00000000000000000000000000000080'             |          |
|                            | O                                              |          |
| <b>Detailed Comments:</b>  |                                                |          |

| Structured Type Constraint |                                                |          |
|----------------------------|------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_05d                                  |          |
| <b>Structured Type:</b>    | CCHD                                           |          |
| <b>Derivation Path:</b>    | CellChDes_04.                                  |          |
| <b>Comments:</b>           | for cell N1 in measurement testing of DCS1800. |          |
| Element Name               | Element Value                                  | Comments |
| rfl                        | '82120000000000000000000000000000'<br>O        |          |
| <b>Detailed Comments:</b>  |                                                |          |

| Structured Type Constraint |                                                |          |
|----------------------------|------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_06                                   |          |
| <b>Structured Type:</b>    | CCHD                                           |          |
| <b>Derivation Path:</b>    | CellChDes_04.                                  |          |
| <b>Comments:</b>           | for cell N2 in measurement testing of GSM 900. |          |
| Element Name               | Element Value                                  | Comments |
| rfl                        | '000000000000000000000000000002000'<br>O       |          |
| <b>Detailed Comments:</b>  |                                                |          |

| Structured Type Constraint |                                            |          |
|----------------------------|--------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_06d                              |          |
| <b>Structured Type:</b>    | CCHD                                       |          |
| <b>Derivation Path:</b>    | CellChDes_04.                              |          |
| <b>Comments:</b>           | for cell N2 in measurement testing of DCS. |          |
| Element Name               | Element Value                              | Comments |
| rfl                        | '825A00000000000000000000000002000'<br>O   |          |
| <b>Detailed Comments:</b>  |                                            |          |

| Structured Type Constraint |                                                |          |
|----------------------------|------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_07                                   |          |
| <b>Structured Type:</b>    | CCHD                                           |          |
| <b>Derivation Path:</b>    | CellChDes_04.                                  |          |
| <b>Comments:</b>           | for cell N3 in measurement testing of GSM 900. |          |
| Element Name               | Element Value                                  | Comments |
| rfl                        | '0000000000000000000000000000080000'<br>O      |          |
| <b>Detailed Comments:</b>  |                                                |          |

| Structured Type Constraint |                                                |          |
|----------------------------|------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_07d                                  |          |
| <b>Structured Type:</b>    | CCHD                                           |          |
| <b>Derivation Path:</b>    | CellChDes_04.                                  |          |
| <b>Comments:</b>           | for cell N3 in measurement testing of DCS1800. |          |
| Element Name               | Element Value                                  | Comments |
| rfl                        | '829900000000000000000000000000000'<br>O       |          |
| <b>Detailed Comments:</b>  |                                                |          |

| Structured Type Constraint |                                                |          |
|----------------------------|------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_08                                   |          |
| <b>Structured Type:</b>    | CCHD                                           |          |
| <b>Derivation Path:</b>    | CellChDes_04.                                  |          |
| <b>Comments:</b>           | for cell N4 in measurement testing of GSM 900. |          |
| Element Name               | Element Value                                  | Comments |
| rfl                        | '000000000000000000000000000000002000000'<br>O |          |
| <b>Detailed Comments:</b>  |                                                |          |

| Structured Type Constraint |                                                         |          |
|----------------------------|---------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_08d                                           |          |
| <b>Structured Type:</b>    | CCHD                                                    |          |
| <b>Derivation Path:</b>    | CellChDes_04.                                           |          |
| <b>Comments:</b>           | for cell N4 in measurement testing of DCS1800.          |          |
| Element Name               | Element Value                                           | Comments |
| rfl                        | '82FA00000000000000000000000000000000000000000000'<br>O |          |
| <b>Detailed Comments:</b>  |                                                         |          |

| Structured Type Constraint |                                                   |          |
|----------------------------|---------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_09                                      |          |
| <b>Structured Type:</b>    | CCHD                                              |          |
| <b>Derivation Path:</b>    | CellChDes_04.                                     |          |
| <b>Comments:</b>           | for cell N5 in measurement testing of GSM 900.    |          |
| Element Name               | Element Value                                     | Comments |
| rfl                        | '000000000000000000000000000000000800000000'<br>O |          |
| <b>Detailed Comments:</b>  |                                                   |          |

| Structured Type Constraint |                                                   |          |
|----------------------------|---------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_09d                                     |          |
| <b>Structured Type:</b>    | CCHD                                              |          |
| <b>Derivation Path:</b>    | CellChDes_04.                                     |          |
| <b>Comments:</b>           | for cell N5 in measurement testing of DCS1800.    |          |
| Element Name               | Element Value                                     | Comments |
| rfl                        | '82AE00000000000000000000000000000800000000'<br>O |          |
| <b>Detailed Comments:</b>  |                                                   |          |

| Structured Type Constraint |                                                    |          |
|----------------------------|----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_10                                       |          |
| <b>Structured Type:</b>    | CCHD                                               |          |
| <b>Derivation Path:</b>    | CellChDes_04.                                      |          |
| <b>Comments:</b>           | for cell N6 in measurement testing of GSM 900.     |          |
| Element Name               | Element Value                                      | Comments |
| rfl                        | '0000000000000000000000000000000020000000000'<br>O |          |
| <b>Detailed Comments:</b>  |                                                    |          |



| Structured Type Constraint |                                                |          |
|----------------------------|------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_10d                                  |          |
| <b>Structured Type:</b>    | CCHD                                           |          |
| <b>Derivation Path:</b>    | CellChDes_04.                                  |          |
| <b>Comments:</b>           | for cell N6 in measurement testing of DCS1800. |          |
| Element Name               | Element Value                                  | Comments |
| rfl                        | '82250000000000000000000000000000'<br>O        |          |
| <b>Detailed Comments:</b>  |                                                |          |

| Structured Type Constraint |                                                |          |
|----------------------------|------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_11                                   |          |
| <b>Structured Type:</b>    | CCHD                                           |          |
| <b>Derivation Path:</b>    | CellChDes_04.                                  |          |
| <b>Comments:</b>           | for cell N7 in measurement testing of GSM 900. |          |
| Element Name               | Element Value                                  | Comments |
| rfl                        | '000000000000000000000000080000000000'<br>O    |          |
| <b>Detailed Comments:</b>  |                                                |          |

| Structured Type Constraint |                                                |          |
|----------------------------|------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_11d                                  |          |
| <b>Structured Type:</b>    | CCHD                                           |          |
| <b>Derivation Path:</b>    | CellChDes_04.                                  |          |
| <b>Comments:</b>           | for cell N7 in measurement testing of DCS1800. |          |
| Element Name               | Element Value                                  | Comments |
| rfl                        | '832A00000000000000000000000000000000'<br>O    |          |
| <b>Detailed Comments:</b>  |                                                |          |

| Structured Type Constraint |                                             |          |
|----------------------------|---------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_12                                |          |
| <b>Structured Type:</b>    | CCHD                                        |          |
| <b>Derivation Path:</b>    |                                             |          |
| <b>Comments:</b>           | bit map o format                            |          |
| Element Name               | Element Value                               | Comments |
| iei                        | '01100010'B                                 |          |
| rfl                        | '000000000000000000000000020020000000'<br>O |          |
| <b>Detailed Comments:</b>  |                                             |          |

| Structured Type Constraint                                                                |                                                                             |          |
|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>                                                                   | CellChDes_17                                                                |          |
| <b>Structured Type:</b>                                                                   | CCHD                                                                        |          |
| <b>Derivation Path:</b>                                                                   | CellChDes_01.                                                               |          |
| <b>Comments:</b>                                                                          | for cell B in RR testing of GSM 900 with the ARFCN_list={10, 80, 100, 120}. |          |
| Element Name                                                                              | Element Value                                                               | Comments |
| rfl                                                                                       | '00800008000080000000000000000000200'<br>O                                  |          |
| <b>Detailed Comments:</b> Used in TC_26_6_13_5, TC_26_6_13_6, TC_26_6_13_7, TC_26_6_13_8. |                                                                             |          |

| Structured Type Constraint                                                                |                                                                             |          |
|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>                                                                   | CellChDes_17man                                                             |          |
| <b>Structured Type:</b>                                                                   | CCHD                                                                        |          |
| <b>Derivation Path:</b>                                                                   |                                                                             |          |
| <b>Comments:</b>                                                                          | for cell B in RR testing of GSM 900 with the ARFCN_list={10, 80, 100, 120}. |          |
| Element Name                                                                              | Element Value                                                               | Comments |
| iei                                                                                       | OMIT                                                                        |          |
| rfl                                                                                       | '008000080000080000000000000000200'<br>O                                    |          |
| <b>Detailed Comments:</b> Used in TC_26_6_13_5, TC_26_6_13_6, TC_26_6_13_7, TC_26_6_13_8. |                                                                             |          |

| Structured Type Constraint                                                                |                                                                           |          |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>                                                                   | CellChDes_18                                                              |          |
| <b>Structured Type:</b>                                                                   | CCHD                                                                      |          |
| <b>Derivation Path:</b>                                                                   | CellChDes_01.                                                             |          |
| <b>Comments:</b>                                                                          | for cell B in RR testing of DCS with the ARFCN_list={520, 600, 700, 870}. |          |
| Element Name                                                                              | Element Value                                                             | Comments |
| rfl                                                                                       | '89041403D90000000000000000000000'<br>O                                   |          |
| <b>Detailed Comments:</b> Used in TC_26_6_13_5, TC_26_6_13_6, TC_26_6_13_7, TC_26_6_13_8. |                                                                           |          |

| Structured Type Constraint                                                                |                                                                           |          |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>                                                                   | CellChDes_18man                                                           |          |
| <b>Structured Type:</b>                                                                   | CCHD                                                                      |          |
| <b>Derivation Path:</b>                                                                   |                                                                           |          |
| <b>Comments:</b>                                                                          | for cell B in RR testing of DCS with the ARFCN_list={520, 600, 700, 870}. |          |
| Element Name                                                                              | Element Value                                                             | Comments |
| iei                                                                                       | OMIT                                                                      |          |
| rfl                                                                                       | '89041403D90000000000000000000000'<br>O                                   |          |
| <b>Detailed Comments:</b> Used in TC_26_6_13_5, TC_26_6_13_6, TC_26_6_13_7, TC_26_6_13_8. |                                                                           |          |

| Structured Type Constraint |                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_19                                                                         |          |
| <b>Structured Type:</b>    | CCHD                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                      |          |
| <b>Comments:</b>           | Frequency list for EGSM test case TC_26_10_2_2: 0, 30, 40, 66, 80, 1005, 1010, 1015. |          |
| Element Name               | Element Value                                                                        | Comments |
| iei                        | '01100010'B                                                                          |          |
| rfl                        | '841EEA893EF9814380000000000000000'<br>O                                             |          |
| <b>Detailed Comments:</b>  |                                                                                      |          |

| Structured Type Constraint |                                                                                                                                                     |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_20_A                                                                                                                                      |          |
| <b>Structured Type:</b>    | CCHD                                                                                                                                                |          |
| <b>Derivation Path:</b>    | CellChDes_01.                                                                                                                                       |          |
| <b>Comments:</b>           | Cell Channel Description for any cell in RR testing of GSM 900 HO cases with the ARFCN_list={10,17,20,26,34,42,45,46,52,59,66,73,74,75,76,108,114}. |          |
| Element Name               | Element Value                                                                                                                                       | Comments |
| rfl                        | '0002080000000F220408320222090200'<br>O                                                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                     |          |

| Structured Type Constraint |                                                                                                                                                     |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_20_Aman                                                                                                                                   |          |
| <b>Structured Type:</b>    | CCHD                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                     |          |
| <b>Comments:</b>           | Cell Channel Description for any cell in RR testing of GSM 900 HO cases with the ARFCN_list={10,17,20,26,34,42,45,46,52,59,66,73,74,75,76,108,114}. |          |
| Element Name               | Element Value                                                                                                                                       | Comments |
| iei                        | OMIT                                                                                                                                                |          |
| rfl                        | '0002080000000F220408320222090200'<br>O                                                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                     |          |

| Structured Type Constraint |                                                                                                                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_201_Ad                                                                                                                                                                  |          |
| <b>Structured Type:</b>    | CCHD                                                                                                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                   |          |
| <b>Comments:</b>           | Cell Channel Description for cell A in RR testing of DCS1800 HO cases with the ARFCN_list={734,741,747,754,759,762,766,767,773,775,779,782,791,798,829,832,844} using 256 format. |          |
| Element Name               | Element Value                                                                                                                                                                     | Comments |
| iei                        | OMIT                                                                                                                                                                              |          |
| rfl                        | '8B6F14F32FC602C59EFA5499940000'<br>O                                                                                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                   |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                       |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_202_Ad                                                                                                                                                                                                                                      |          |
| <b>Structured Type:</b>    | CCHD                                                                                                                                                                                                                                                  |          |
| <b>Derivation Path:</b>    | CellChDes_01.                                                                                                                                                                                                                                         |          |
| <b>Comments:</b>           | Cell Channel Description for cell A in RR testing of DCS1800 HO cases with the Complete Cell Allocation of Cell A in HO cases using 512 format.<br>ARFCN_list={734,741,747,754,759,762,766,767,773,775,779,782,791,798,829,832,844} using 512 format. |          |
| Element Name               | Element Value                                                                                                                                                                                                                                         | Comments |
| rfl                        | '896F0A7CC5FC700A8B9F7FF45246334'<br>O                                                                                                                                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                       |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                       |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_202_Adman                                                                                                                                                                                                                                   |          |
| <b>Structured Type:</b>    | CCHD                                                                                                                                                                                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                       |          |
| <b>Comments:</b>           | Cell Channel Description for cell A in RR testing of DCS1800 HO cases with the Complete Cell Allocation of Cell A in HO cases using 512 format.<br>ARFCN_list={734,741,747,754,759,762,766,767,773,775,779,782,791,798,829,832,844} using 512 format. |          |
| Element Name               | Element Value                                                                                                                                                                                                                                         | Comments |
| iei                        | OMIT                                                                                                                                                                                                                                                  |          |
| rfl                        | '896F0A7CC5FC700A8B9F7FF45246334'<br>O                                                                                                                                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                       |          |

| Structured Type Constraint |                                                                                                                                                |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_20_B                                                                                                                                 |          |
| <b>Structured Type:</b>    | CCHD                                                                                                                                           |          |
| <b>Derivation Path:</b>    | CellChDes_01.                                                                                                                                  |          |
| <b>Comments:</b>           | for cell B in RR testing of GSM 900 HO cases with the complete Cell Allocation ARFCN_list={14,18,22,24,30,31,38,40,60,66,73,74,75,76,108,114}. |          |
| Element Name               | Element Value                                                                                                                                  | Comments |
| rfl                        | '000208000000F0208000A060A22000'<br>O                                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                |          |

| Structured Type Constraint |                                                                                                                                                |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_20_Bman                                                                                                                              |          |
| <b>Structured Type:</b>    | CCHD                                                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                                                |          |
| <b>Comments:</b>           | for cell B in RR testing of GSM 900 HO cases with the complete Cell Allocation ARFCN_list={14,18,22,24,30,31,38,40,60,66,73,74,75,76,108,114}. |          |
| Element Name               | Element Value                                                                                                                                  | Comments |
| iei                        | OMIT                                                                                                                                           |          |
| rfl                        | '000208000000F0208000A060A22000'<br>O                                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                |          |

| Structured Type Constraint |                                                                                                   |          |
|----------------------------|---------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_20_Be(par_rfl:OCTETSTRING)                                                              |          |
| <b>Structured Type:</b>    | CCHD                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                   |          |
| <b>Comments:</b>           | for cell B in RR testing of EGSM HO cases with the complete Cell Allocation ARFCN_list={par_rfl}. |          |
| Element Name               | Element Value                                                                                     | Comments |
| iei                        | '01100010'B                                                                                       |          |
| rfl                        | par_rfl                                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                                   |          |

| Structured Type Constraint |                                                                                                                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_201_Bd                                                                                                                                                              |          |
| <b>Structured Type:</b>    | CCHD                                                                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                               |          |
| <b>Comments:</b>           | Cell Channel Description for cell B in RR testing of DCS1800 HO cases with the ARFCN_list={739,743,746,749,756,758,761,764,771,779,782,791,798,829,832,844} using 256 format. |          |
| Element Name               | Element Value                                                                                                                                                                 | Comments |
| iei                        | OMIT                                                                                                                                                                          |          |
| rfl                        | '8A71907137B602C5DEF7A348D800000'<br>O                                                                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                               |          |

| Structured Type Constraint |                                                                                                                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_202_Bd                                                                                                                                                              |          |
| <b>Structured Type:</b>    | CCHD                                                                                                                                                                          |          |
| <b>Derivation Path:</b>    | CellChDes_01.                                                                                                                                                                 |          |
| <b>Comments:</b>           | Cell Channel Description for cell B in RR testing of DCS1800 HO cases with the ARFCN_list={739,743,746,749,756,758,761,764,771,779,782,791,798,829,832,844} using 512 format. |          |
| Element Name               | Element Value                                                                                                                                                                 | Comments |
| iei                        | OMIT                                                                                                                                                                          |          |
| rfl                        | '8A71907137B602C5DEF7A348D800000'<br>O                                                                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                               |          |

| Structured Type Constraint |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_20_B0d                                                                                                                           |          |
| <b>Structured Type:</b>    | CCHD                                                                                                                                       |          |
| <b>Derivation Path:</b>    | CellChDes_01.                                                                                                                              |          |
| <b>Comments:</b>           | for cell B in RR testing of DCS1800 HO cases with the complete Cell Allocation List_ARFCN= complete cell allocation of cell B in HO cases. |          |
| Element Name               | Element Value                                                                                                                              | Comments |
| rfl                        | '8B751A2245DFA19800000000000000000'<br>O                                                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| Structured Type Constraint |                                                                                                 |          |
|----------------------------|-------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_21_B                                                                                  |          |
| <b>Structured Type:</b>    | CCHD                                                                                            |          |
| <b>Derivation Path:</b>    | CellChDes_01.                                                                                   |          |
| <b>Comments:</b>           | for any cell in RR testing of GSM 900 HO cases with the ARFCN_list={40,66,73,74,75,76,108,114}. |          |
| Element Name               | Element Value                                                                                   | Comments |
| rfl                        | '0002080000000F0004000080000000000'<br>O                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                 |          |

| Structured Type Constraint |                                                                                                        |          |
|----------------------------|--------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_21_Bd                                                                                        |          |
| <b>Structured Type:</b>    | CCHD                                                                                                   |          |
| <b>Derivation Path:</b>    | CellChDes_01.                                                                                          |          |
| <b>Comments:</b>           | for cell B in RR testing of GSM 900 HO cases with the List_ARFCN={761,764,771,779,782,791,798,829,832} |          |
| Element Name               | Element Value                                                                                          | Comments |
| rfl                        | '897C87BD09BC61060F900000000000000'<br>O                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                        |          |

| Structured Type Constraint |                                            |          |
|----------------------------|--------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_22                               |          |
| <b>Structured Type:</b>    | CCHD                                       |          |
| <b>Derivation Path:</b>    | CellChDes_01.                              |          |
| <b>Comments:</b>           | for cell A in EGSM testing: 20, 30, 50, 70 |          |
| Element Name               | Element Value                              | Comments |
| iei                        | OMIT                                       |          |
| rfl                        | '00000000000000200002000020080000'<br>O    |          |
| <b>Detailed Comments:</b>  |                                            |          |

| Structured Type Constraint |                |          |
|----------------------------|----------------|----------|
| <b>Constraint Name:</b>    | CellChDes_omit |          |
| <b>Structured Type:</b>    | CCHD           |          |
| <b>Derivation Path:</b>    |                |          |
| <b>Comments:</b>           |                |          |
| Element Name               | Element Value  | Comments |
| iei                        | OMIT           |          |
| rfl                        | OMIT           |          |
| <b>Detailed Comments:</b>  |                |          |

| Structured Type Constraint |                                                                                                        |          |
|----------------------------|--------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_r01                                                                                          |          |
| <b>Structured Type:</b>    | CCHD                                                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                                        |          |
| <b>Comments:</b>           | for cell A in RR testing of DCS1800 with the ARFCN_list={773, 775, 779, 782, 791, 798, 829, 832, 844}. |          |
| Element Name               | Element Value                                                                                          | Comments |
| iei                        | '01100010'B                                                                                            |          |
| rfl                        | '8D8299C22EF52CC00000000000000000'<br>O                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                        |          |

| Structured Type Constraint |                                                                     |          |
|----------------------------|---------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_r02                                                       |          |
| <b>Structured Type:</b>    | CCHD                                                                |          |
| <b>Derivation Path:</b>    |                                                                     |          |
| <b>Comments:</b>           | for cell A in RR testing of GSM 900 with the ARFCN_list={741, 747}. |          |
| Element Name               | Element Value                                                       | Comments |
| iei                        | '01100010'B                                                         |          |
| rfl                        | '8F728200000000000000000000000000'<br>O                             |          |
| <b>Detailed Comments:</b>  |                                                                     |          |

| Structured Type Constraint |                                                                                                         |          |
|----------------------------|---------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_r03                                                                                           |          |
| <b>Structured Type:</b>    | CCHD                                                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                                         |          |
| <b>Comments:</b>           | for cell A in RR testing of GSM 900 with the ARFCN_list={45, 46, 52, 59, 66, 73, 74, 75, 76, 108, 114}. |          |
| Element Name               | Element Value                                                                                           | Comments |
| iei                        | '01100010'B                                                                                             |          |
| rfl                        | '0002080000000000F020408300000000'<br>O                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                         |          |

| Structured Type Constraint |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellChDes_r04                                                     |          |
| <b>Structured Type:</b>    | CCHD                                                              |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | for cell A in RR testing of GSM 900 with the ARFCN_list={17, 20}. |          |
| Element Name               | Element Value                                                     | Comments |
| iei                        | '01100010'B                                                       |          |
| rfl                        | '0000000000000000000000000000090000'<br>O                         |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| Structured Type Constraint |                                         |          |
|----------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>    | CellDescrp_01                           |          |
| <b>Structured Type:</b>    | CD                                      |          |
| <b>Derivation Path:</b>    |                                         |          |
| <b>Comments:</b>           | BCCH channel for Cell A                 |          |
| Element Name               | Element Value                           | Comments |
| bcch_arfcn_h               | OC_MostBits(INT_TO_BIT(C_arfcnA,10),2)  |          |
| ncc                        | '001'B                                  |          |
| bcc                        | '101'B                                  |          |
| bcch_arfcn_l               | OC_LeastBits(INT_TO_BIT(C_arfcnA,10),8) |          |
| <b>Detailed Comments:</b>  |                                         |          |

| Structured Type Constraint |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellDescrp_02                                    |          |
| <b>Structured Type:</b>    | CD                                               |          |
| <b>Derivation Path:</b>    |                                                  |          |
| <b>Comments:</b>           | BCCH channel for Cell B                          |          |
| Element Name               | Element Value                                    | Comments |
| bcch_arfcn_h               | OC_MostBits(INT_TO_BIT(TSPX_BCCHcarrierB,10),2)  |          |
| ncc                        | '001'B                                           |          |
| bcc                        | '110'B                                           |          |
| bcch_arfcn_l               | OC_LeastBits(INT_TO_BIT(TSPX_BCCHcarrierB,10),8) |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| Structured Type Constraint          |                                                   |          |
|-------------------------------------|---------------------------------------------------|----------|
| <b>Constraint Name:</b>             | CellDescrp_03                                     |          |
| <b>Structured Type:</b>             | CD                                                |          |
| <b>Derivation Path:</b>             |                                                   |          |
| <b>Comments:</b>                    | cell description for Cell S1of GSM in TC_26_6_3_4 |          |
| Element Name                        | Element Value                                     | Comments |
| bcch_arfcn_h                        | '00'B                                             |          |
| ncc                                 | '001'B                                            |          |
| bcc                                 | '011'B                                            |          |
| bcch_arfcn_l                        | '00000010'B                                       |          |
| <b>Detailed Comments:</b> ARFCN = 2 |                                                   |          |

| Structured Type Constraint            |                                                   |          |
|---------------------------------------|---------------------------------------------------|----------|
| <b>Constraint Name:</b>               | CellDescrp_03d                                    |          |
| <b>Structured Type:</b>               | CD                                                |          |
| <b>Derivation Path:</b>               |                                                   |          |
| <b>Comments:</b>                      | cell description for Cell S1of DCS in TC_26_6_3_4 |          |
| Element Name                          | Element Value                                     | Comments |
| bcch_arfcn_h                          | '10'B                                             |          |
| ncc                                   | '001'B                                            |          |
| bcc                                   | '011'B                                            |          |
| bcch_arfcn_l                          | '00000010'B                                       |          |
| <b>Detailed Comments:</b> ARFCN = 514 |                                                   |          |

| Structured Type Constraint |                                     |          |
|----------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>    | CellDescrp_20                       |          |
| <b>Structured Type:</b>    | CD                                  |          |
| <b>Derivation Path:</b>    |                                     |          |
| <b>Comments:</b>           | BCCH channel for Cell B in HO cases |          |
| Element Name               | Element Value                       | Comments |
| bcch_arfcn_h               | '00'B                               |          |
| ncc                        | '001'B                              |          |
| bcc                        | '101'B                              |          |
| bcch_arfcn_l               | OMIT                                |          |
| <b>Detailed Comments:</b>  |                                     |          |

| Structured Type Constraint |                                                     |          |
|----------------------------|-----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellDescrp_21_A                                     |          |
| <b>Structured Type:</b>    | CD                                                  |          |
| <b>Derivation Path:</b>    | CellDescrp_20.                                      |          |
| <b>Comments:</b>           | ARFCN in Cell A in HO cases                         |          |
| Element Name               | Element Value                                       | Comments |
| bcch_arfcn_h               | OC_MostBits(INT_TO_BIT(TSPX_BCCHcarrierA_HO,10),2)  |          |
| bcch_arfcn_l               | OC_LeastBits(INT_TO_BIT(TSPX_BCCHcarrierA_HO,10),8) |          |
| <b>Detailed Comments:</b>  |                                                     |          |

| Structured Type Constraint |                                     |          |
|----------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>    | CellDescrp_21_B                     |          |
| <b>Structured Type:</b>    | CD                                  |          |
| <b>Derivation Path:</b>    | CellDescrp_20.                      |          |
| <b>Comments:</b>           | For Cell B in HO cases              |          |
| Element Name               | Element Value                       | Comments |
| bcch_arfcn_l               | INT_TO_BIT(TSPX_BCCHcarrierB_HO,10) |          |
| <b>Detailed Comments:</b>  |                                     |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | CellDescrp_21_Be                   |          |
| <b>Structured Type:</b>    | CD                                 |          |
| <b>Derivation Path:</b>    | CellDescrp_20.                     |          |
| <b>Comments:</b>           | For Cell B in HO cases             |          |
| Element Name               | Element Value                      | Comments |
| bcch_arfcn_l               | INT_TO_BIT(C_BCCHcarrierB_hoe, 10) |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                |          |
|----------------------------|----------------|----------|
| <b>Constraint Name:</b>    | CellDescrp_r01 |          |
| <b>Structured Type:</b>    | CD             |          |
| <b>Derivation Path:</b>    |                |          |
| <b>Comments:</b>           | For Cell A     |          |
| Element Name               | Element Value  | Comments |
| bcch_arfcn_h               | '00'B          |          |
| ncc                        | '001'B         |          |
| bcc                        | '101'B         |          |
| bcch_arfcn_l               | '00010100'B    |          |
| <b>Detailed Comments:</b>  |                |          |



| Structured Type Constraint |                       |          |
|----------------------------|-----------------------|----------|
| <b>Constraint Name:</b>    | CellDescrp_r01d       |          |
| <b>Structured Type:</b>    | CD                    |          |
| <b>Derivation Path:</b>    |                       |          |
| <b>Comments:</b>           | For Cell A of DCS1800 |          |
| Element Name               | Element Value         | Comments |
| bcch_arfcn_h               | '10'B                 |          |
| ncc                        | '001'B                |          |
| bcc                        | '101'B                |          |
| bcch_arfcn_l               | '01001110'B           |          |
| <b>Detailed Comments:</b>  |                       |          |

| Structured Type Constraint |                          |          |
|----------------------------|--------------------------|----------|
| <b>Constraint Name:</b>    | CellDescrp_r02           |          |
| <b>Structured Type:</b>    | CD                       |          |
| <b>Derivation Path:</b>    |                          |          |
| <b>Comments:</b>           | For Cell B of RR testing |          |
| Element Name               | Element Value            | Comments |
| bcch_arfcn_h               | '00'B                    |          |
| ncc                        | '001'B                   |          |
| bcc                        | '101'B                   |          |
| bcch_arfcn_l               | '00001010'B              |          |
| <b>Detailed Comments:</b>  |                          |          |

| Structured Type Constraint |                               |          |
|----------------------------|-------------------------------|----------|
| <b>Constraint Name:</b>    | CellDescrp_r02d               |          |
| <b>Structured Type:</b>    | CD                            |          |
| <b>Derivation Path:</b>    |                               |          |
| <b>Comments:</b>           | For Cell B in DCS ARFCN = 520 |          |
| Element Name               | Element Value                 | Comments |
| bcch_arfcn_h               | '10'B                         |          |
| ncc                        | '001'B                        |          |
| bcc                        | '101'B                        |          |
| bcch_arfcn_l               | '00001000'B                   |          |
| <b>Detailed Comments:</b>  |                               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | CellOpt_01    |          |
| <b>Structured Type:</b>    | CO            |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| sprb                       | '0'B          |          |
| pwr                        | '0'B          |          |
| dtx                        | '10'B         |          |
| rlt                        | '0001'B       |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                                     |          |
|----------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>    | CellOpt_02                          |          |
| <b>Structured Type:</b>    | CO                                  |          |
| <b>Derivation Path:</b>    |                                     |          |
| <b>Comments:</b>           | parameters from 26.3.1 of GSM 11.10 |          |
| Element Name               | Element Value                       | Comments |
| sprb                       | '0'B                                |          |
| pwrC                       | '0'B                                |          |
| dtX                        | '10'B                               |          |
| rlt                        | '0101'B                             |          |
| <b>Detailed Comments:</b>  |                                     |          |

| Structured Type Constraint |                             |          |
|----------------------------|-----------------------------|----------|
| <b>Constraint Name:</b>    | CellOpt_03                  |          |
| <b>Structured Type:</b>    | CO                          |          |
| <b>Derivation Path:</b>    |                             |          |
| <b>Comments:</b>           | used in measurement testing |          |
| Element Name               | Element Value               | Comments |
| sprb                       | '0'B                        |          |
| pwrC                       | '1'B                        |          |
| dtX                        | '01'B                       |          |
| rlt                        | '0001'B                     |          |
| <b>Detailed Comments:</b>  |                             |          |

| Structured Type Constraint |                          |          |
|----------------------------|--------------------------|----------|
| <b>Constraint Name:</b>    | CellOpt_04               |          |
| <b>Structured Type:</b>    | CO                       |          |
| <b>Derivation Path:</b>    | CellOpt_01.              |          |
| <b>Comments:</b>           | spare bit is set to '1'B |          |
| Element Name               | Element Value            | Comments |
| sprb                       | '1'B                     |          |
| <b>Detailed Comments:</b>  |                          |          |

| Structured Type Constraint |                                          |          |
|----------------------------|------------------------------------------|----------|
| <b>Constraint Name:</b>    | CellSelPara(crh, mtmc:INTEGER; neci:B_1) |          |
| <b>Structured Type:</b>    | CSP                                      |          |
| <b>Derivation Path:</b>    |                                          |          |
| <b>Comments:</b>           | Default value for GSM900.                |          |
| Element Name               | Element Value                            | Comments |
| crh                        | INT_TO_BIT(crh, 3)                       |          |
| mtmc                       | INT_TO_BIT(mtmc, 5)                      |          |
| acs                        | '0'B                                     |          |
| neci                       | neci                                     |          |
| ram                        | '000000'B                                |          |
| <b>Detailed Comments:</b>  |                                          |          |

| Structured Type Constraint |                           |          |
|----------------------------|---------------------------|----------|
| <b>Constraint Name:</b>    | CellSelPara_01            |          |
| <b>Structured Type:</b>    | CSP                       |          |
| <b>Derivation Path:</b>    |                           |          |
| <b>Comments:</b>           | Default value for GSM900. |          |
| Element Name               | Element Value             | Comments |
| crh                        | '000'B                    |          |
| mtmc                       | '10011'B                  |          |
| acs                        | '0'B                      |          |
| neci                       | '0'B                      |          |
| ram                        | '000000'B                 |          |
| <b>Detailed Comments:</b>  |                           |          |

| Structured Type Constraint |                                      |          |
|----------------------------|--------------------------------------|----------|
| <b>Constraint Name:</b>    | CellSelPara_03                       |          |
| <b>Structured Type:</b>    | CSP                                  |          |
| <b>Derivation Path:</b>    |                                      |          |
| <b>Comments:</b>           | value defined in 26.3.1 of GSM 11.10 |          |
| Element Name               | Element Value                        | Comments |
| crh                        | '010'B                               |          |
| mtmc                       | INT_TO_BIT(TSPX_MSTxpwrMax,5)        |          |
| acs                        | '0'B                                 |          |
| neci                       | '0'B                                 |          |
| ram                        | '011110'B                            |          |
| <b>Detailed Comments:</b>  |                                      |          |

| Structured Type Constraint |                            |          |
|----------------------------|----------------------------|----------|
| <b>Constraint Name:</b>    | CellSelPara_04             |          |
| <b>Structured Type:</b>    | CSP                        |          |
| <b>Derivation Path:</b>    | CellSelPara_01.            |          |
| <b>Comments:</b>           | Default value for DCS1800. |          |
| Element Name               | Element Value              | Comments |
| mtmc                       | '01111'B                   |          |
| <b>Detailed Comments:</b>  |                            |          |

| Structured Type Constraint |                                                    |          |
|----------------------------|----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Cgpn_01                                            |          |
| <b>Structured Type:</b>    | CGPN                                               |          |
| <b>Derivation Path:</b>    |                                                    |          |
| <b>Comments:</b>           | calling party BCD number with arbitrary spare bits |          |
| Element Name               | Element Value                                      | Comments |
| iei                        | '01011100'B                                        |          |
| iel                        | '03'O                                              |          |
| tonnpi                     | TonNpi_01                                          |          |
| pis                        | PiSi_01                                            |          |
| digits                     | '01'O                                              |          |
| <b>Detailed Comments:</b>  |                                                    |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | Cgps_01       |          |
| <b>Structured Type:</b>    | CGPS          |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '01011101'B   |          |
| iel                        | '03'O         |          |
| subad                      | SubAdd_01     |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                    |          |
|----------------------------|--------------------|----------|
| <b>Constraint Name:</b>    | Chd_01             |          |
| <b>Structured Type:</b>    | CHD                |          |
| <b>Derivation Path:</b>    |                    |          |
| <b>Comments:</b>           | used as invalid IE |          |
| Element Name               | Element Value      | Comments |
| iei                        | '00000010'B        |          |
| cht_schn                   | '11100'B           |          |
| tn                         | '000'B             |          |
| tsc                        | '100'B             |          |
| hch                        | '1'B               |          |
| maio                       | '0000'B            |          |
| hsn                        | OMIT               |          |
| spr                        | OMIT               |          |
| arfcn                      | OMIT               |          |
| <b>Detailed Comments:</b>  |                    |          |

| Structured Type Constraint |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_01(slot:SN; tsc:TSC; par_arfcn: INTEGER)                                 |          |
| <b>Structured Type:</b>    | CHD                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                   |          |
| <b>Comments:</b>           | Channel description for SDCCH4 subchannel defined by TSPX_SDCCH4SubDef in cell A. |          |
| Element Name               | Element Value                                                                     | Comments |
| iei                        | OMIT                                                                              |          |
| cht_schn                   | INT_TO_BIT((4+<br>BIT_TO_INT(TSPX_SDCCH4SubDef)), 5)                              |          |
| tn                         | slot                                                                              |          |
| tsc                        | tsc                                                                               |          |
| hch                        | '0'B                                                                              |          |
| maio                       | OMIT                                                                              |          |
| hsn                        | OMIT                                                                              |          |
| spr                        | '00'B                                                                             |          |
| arfcn                      | INT_TO_BIT(par_arfcn, 10)                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| Structured Type Constraint |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_01Def(slot:SN; tsc:TSC)                                                  |          |
| <b>Structured Type:</b>    | CHD                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                   |          |
| <b>Comments:</b>           | Channel description for SDCCH4 subchannel defined by TSPX_SDCCH4SubDef in cell A. |          |
| Element Name               | Element Value                                                                     | Comments |
| iei                        | OMIT                                                                              |          |
| cht_schn                   | INT_TO_BIT((4+<br>BIT_TO_INT(TSPX_SDCCH4SubDef)), 5)                              |          |
| tn                         | slot                                                                              |          |
| tsc                        | tsc                                                                               |          |
| hch                        | '0'B                                                                              |          |
| maio                       | OMIT                                                                              |          |
| hsn                        | OMIT                                                                              |          |
| spr                        | '00'B                                                                             |          |
| arfcn                      | INT_TO_BIT(C_arfcnA,10)                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| Structured Type Constraint |                                                          |          |
|----------------------------|----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_03(slot:SN; tsc:TSC)                            |          |
| <b>Structured Type:</b>    | CHD                                                      |          |
| <b>Derivation Path:</b>    |                                                          |          |
| <b>Comments:</b>           | An invalid channel description with arbitrary spare bits |          |
| Element Name               | Element Value                                            | Comments |
| iei                        | OMIT                                                     |          |
| cht_schn                   | INT_TO_BIT((4+<br>BIT_TO_INT(TSPX_SDCCH4SubDef)), 5)     |          |
| tn                         | slot                                                     |          |
| tsc                        | tsc                                                      |          |
| hch                        | '0'B                                                     |          |
| maio                       | OMIT                                                     |          |
| hsn                        | OMIT                                                     |          |
| spr                        | '11'B                                                    |          |
| arfcn                      | INT_TO_BIT(TSPX_BCCHcarrierA,10)                         |          |
| <b>Detailed Comments:</b>  |                                                          |          |

| Structured Type Constraint |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_04(slot:SN; tsc:TSC)                                                   |          |
| <b>Structured Type:</b>    | CHD                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                 |          |
| <b>Comments:</b>           | Channel description for SDCCH4 in cell B. The TDMA offset is TSPX_SDCCH4SubDef. |          |
| Element Name               | Element Value                                                                   | Comments |
| iei                        | OMIT                                                                            |          |
| cht_schn                   | INT_TO_BIT((4+<br>BIT_TO_INT(TSPX_SDCCH4SubDef)), 5)                            |          |
| tn                         | slot                                                                            |          |
| tsc                        | tsc                                                                             |          |
| hch                        | '0'B                                                                            |          |
| maio                       | OMIT                                                                            |          |
| hsn                        | OMIT                                                                            |          |
| spr                        | '00'B                                                                           |          |
| arfcn                      | INT_TO_BIT(TSPX_BCCHcarrierB,10)                                                |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| Structured Type Constraint |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_10(slot:SN; tsc:TSC)                                                 |          |
| <b>Structured Type:</b>    | CHD                                                                           |          |
| <b>Derivation Path:</b>    |                                                                               |          |
| <b>Comments:</b>           | Channel description for a traffic channel in cell A. Time slot = TSPX_TmSlcC. |          |
| Element Name               | Element Value                                                                 | Comments |
| iei                        | OMIT                                                                          |          |
| cht_schn                   | '00001'B                                                                      |          |
| tn                         | slot                                                                          |          |
| tsc                        | tsc                                                                           |          |
| hch                        | '0'B                                                                          |          |
| maio                       | OMIT                                                                          |          |
| hsn                        | OMIT                                                                          |          |
| spr                        | '00'B                                                                         |          |
| arfcn                      | INT_TO_BIT(C_arfcnA,10)                                                       |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| Structured Type Constraint |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_11(slot:SN; tsc:TSC)                                 |          |
| <b>Structured Type:</b>    | CHD                                                           |          |
| <b>Derivation Path:</b>    |                                                               |          |
| <b>Comments:</b>           | Channel description for a hopping channel used in TC_26_5_6_3 |          |
| Element Name               | Element Value                                                 | Comments |
| iei                        | OMIT                                                          |          |
| cht_schn                   | '00001'B                                                      |          |
| tn                         | slot                                                          |          |
| tsc                        | tsc                                                           |          |
| hch                        | '1'B                                                          |          |
| maio                       | '000000'B                                                     |          |
| hsn                        | '000000'B                                                     |          |
| spr                        | OMIT                                                          |          |
| arfcn                      | OMIT                                                          |          |
| <b>Detailed Comments:</b>  |                                                               |          |

| Structured Type Constraint |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_12(slot:SN; tsc:TSC)                                             |          |
| <b>Structured Type:</b>    | CHD                                                                       |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | Channel description for a full rate hopping channel used in TC_26_6_4_2_2 |          |
| Element Name               | Element Value                                                             | Comments |
| iei                        | OMIT                                                                      |          |
| cht_schn                   | '00001'B                                                                  |          |
| tn                         | slot                                                                      |          |
| tsc                        | tsc                                                                       |          |
| hch                        | '1'B                                                                      |          |
| maio                       | '000000'B                                                                 |          |
| hsn                        | '000100'B                                                                 |          |
| spr                        | OMIT                                                                      |          |
| arfcn                      | OMIT                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| Structured Type Constraint |                                                                                                  |          |
|----------------------------|--------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_13(slot:SN; tsc:TSC)                                                                    |          |
| <b>Structured Type:</b>    | CHD                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                  |          |
| <b>Comments:</b>           | Channel description for a half rate hopping channel used in TC_26_6_4_2_2, not activated at all. |          |
| Element Name               | Element Value                                                                                    | Comments |
| iei                        | OMIT                                                                                             |          |
| cht_schn                   | '00010'B                                                                                         |          |
| tn                         | slot                                                                                             |          |
| tsc                        | tsc                                                                                              |          |
| hch                        | '1'B                                                                                             |          |
| maio                       | '000001'B                                                                                        |          |
| hsn                        | '000110'B                                                                                        |          |
| spr                        | OMIT                                                                                             |          |
| arfcn                      | OMIT                                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                                  |          |

| Structured Type Constraint |                                               |          |
|----------------------------|-----------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_14(type:BITSTRING; slot:SN; tsc:TSC) |          |
| <b>Structured Type:</b>    | CHD                                           |          |
| <b>Derivation Path:</b>    |                                               |          |
| <b>Comments:</b>           | Channel description for CC testing.           |          |
| Element Name               | Element Value                                 | Comments |
| iei                        | OMIT                                          |          |
| cht_schn                   | type                                          |          |
| tn                         | slot                                          |          |
| tsc                        | tsc                                           |          |
| hch                        | '0'B                                          |          |
| maio                       | OMIT                                          |          |
| hsn                        | OMIT                                          |          |
| spr                        | '00'B                                         |          |
| arfcn                      | INT_TO_BIT(TSPX_TCHcarrierA, 10)              |          |
| <b>Detailed Comments:</b>  |                                               |          |

| Structured Type Constraint |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_14Def(type:BITSTRING; slot:SN; tsc:TSC) |          |
| <b>Structured Type:</b>    | CHD                                              |          |
| <b>Derivation Path:</b>    |                                                  |          |
| <b>Comments:</b>           | Channel description for CC testing.              |          |
| Element Name               | Element Value                                    | Comments |
| iei                        | OMIT                                             |          |
| cht_schn                   | type                                             |          |
| tn                         | slot                                             |          |
| tsc                        | tsc                                              |          |
| hch                        | '0'B                                             |          |
| maio                       | OMIT                                             |          |
| hsn                        | OMIT                                             |          |
| spr                        | '00'B                                            |          |
| arfcn                      | INT_TO_BIT(20, 10)                               |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| Structured Type Constraint |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_14TCH(type:BITSTRING; slot:SN; tsc:TSC) |          |
| <b>Structured Type:</b>    | CHD                                              |          |
| <b>Derivation Path:</b>    |                                                  |          |
| <b>Comments:</b>           | Channel description for CC testing.              |          |
| Element Name               | Element Value                                    | Comments |
| iei                        | OMIT                                             |          |
| cht_schn                   | type                                             |          |
| tn                         | slot                                             |          |
| tsc                        | tsc                                              |          |
| hch                        | '0'B                                             |          |
| maio                       | OMIT                                             |          |
| hsn                        | OMIT                                             |          |
| spr                        | '00'B                                            |          |
| arfcn                      | INT_TO_BIT(30, 10)                               |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| Structured Type Constraint |                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_19(ts_ccch: SN; tsc:TSC; maio, hsn:BITSTRING)                                    |          |
| <b>Structured Type:</b>    | CHD                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                           |          |
| <b>Comments:</b>           | A derived constraint for <<Channel description >>ie with TCH/F freq. hopping in any CELL. |          |
| Element Name               | Element Value                                                                             | Comments |
| iei                        | OMIT                                                                                      |          |
| cht_schn                   | INT_TO_BIT((2+<br>BIT_TO_INT(TSPX_TCHHSubDef)), 5)                                        |          |
| tn                         | ts_ccch                                                                                   |          |
| tsc                        | tsc                                                                                       |          |
| hch                        | '1'B                                                                                      |          |
| maio                       | maio                                                                                      |          |
| hsn                        | hsn                                                                                       |          |
| spr                        | OMIT                                                                                      |          |
| arfcn                      | OMIT                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                           |          |

| Structured Type Constraint |                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_20(ts_ccch: SN; tsc:TSC; maio, hsn:BITSTRING)                                    |          |
| <b>Structured Type:</b>    | CHD                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                           |          |
| <b>Comments:</b>           | A derived constraint for <<Channel description >>ie with TCH/F freq. hopping in any CELL. |          |
| Element Name               | Element Value                                                                             | Comments |
| iei                        | OMIT                                                                                      |          |
| cht_schn                   | '00001'B                                                                                  |          |
| tn                         | ts_ccch                                                                                   |          |
| tsc                        | tsc                                                                                       |          |
| hch                        | '1'B                                                                                      |          |
| maio                       | maio                                                                                      |          |
| hsn                        | hsn                                                                                       |          |
| spr                        | OMIT                                                                                      |          |
| arfcn                      | OMIT                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                           |          |



| Structured Type Constraint |                                                                                         |          |
|----------------------------|-----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_21(ts_ccch:BITSTRING; par_arfcn: INTEGER)                                      |          |
| <b>Structured Type:</b>    | CHD                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                         |          |
| <b>Comments:</b>           | A derived constraint for <<Channel description >>ie with TCH/F non hopping in any CELL. |          |
| Element Name               | Element Value                                                                           | Comments |
| iei                        | OMIT                                                                                    |          |
| cht_schn                   | '00001'B                                                                                |          |
| tn                         | ts_ccch                                                                                 |          |
| tsc                        | TSPX_TscDef                                                                             |          |
| hch                        | '0'B                                                                                    |          |
| maio                       | OMIT                                                                                    |          |
| hsn                        | OMIT                                                                                    |          |
| spr                        | '00'B                                                                                   |          |
| arfcn                      | INT_TO_BIT(par_arfcn, 10)                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                         |          |

| Structured Type Constraint |                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_22(ts_ccch:BITSTRING)                                                            |          |
| <b>Structured Type:</b>    | CHD                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                           |          |
| <b>Comments:</b>           | A derived constraint for <<Channel description >>ie with TCH/F freq. hopping in any CELL. |          |
| Element Name               | Element Value                                                                             | Comments |
| iei                        | OMIT                                                                                      |          |
| cht_schn                   | '00001'B                                                                                  |          |
| tn                         | ts_ccch                                                                                   |          |
| tsc                        | TSPX_TscDef                                                                               |          |
| hch                        | '1'B                                                                                      |          |
| maio                       | TSPX_MAIO                                                                                 |          |
| hsn                        | TSPX_HSN                                                                                  |          |
| spr                        | OMIT                                                                                      |          |
| arfcn                      | OMIT                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                           |          |

| Structured Type Constraint |                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_22e(ts_ccch: BITSTRING; par_chtype: BITSTRING)                                   |          |
| <b>Structured Type:</b>    | CHD                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                           |          |
| <b>Comments:</b>           | A derived constraint for <<Channel description >>ie with TCH/F freq. hopping in any CELL. |          |
| Element Name               | Element Value                                                                             | Comments |
| iei                        | OMIT                                                                                      |          |
| cht_schn                   | par_chtype                                                                                |          |
| tn                         | ts_ccch                                                                                   |          |
| tsc                        | TSPX_TscDef                                                                               |          |
| hch                        | '1'B                                                                                      |          |
| maio                       | TSPX_MAIO                                                                                 |          |
| hsn                        | TSPX_HSN                                                                                  |          |
| spr                        | OMIT                                                                                      |          |
| arfcn                      | OMIT                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                           |          |

| Structured Type Constraint |                                                                              |          |
|----------------------------|------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_222(ts_ccch: BITSTRING)                                             |          |
| <b>Structured Type:</b>    | CHD                                                                          |          |
| <b>Derivation Path:</b>    | ChDescrp_22.                                                                 |          |
| <b>Comments:</b>           | A derived constraint for <<Channel description >>ie with TCH/F freq. hopping |          |
| Element Name               | Element Value                                                                | Comments |
| tn                         | ts_ccch                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                              |          |

| Structured Type Constraint |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_23(ts_ccch: BITSTRING; par_arfcn: INTEGER)                             |          |
| <b>Structured Type:</b>    | CHD                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                 |          |
| <b>Comments:</b>           | A constraint for <<Channel description >>ie with TCH/H non hopping in any CELL. |          |
| Element Name               | Element Value                                                                   | Comments |
| iei                        | OMIT                                                                            |          |
| cht_schn                   | INT_TO_BIT((2 +<br>BIT_TO_INT(TSPX_TCHHSubDef)), 5)                             |          |
| tn                         | ts_ccch                                                                         |          |
| tsc                        | TSPX_TscDef                                                                     |          |
| hch                        | '0'B                                                                            |          |
| maio                       | OMIT                                                                            |          |
| hsn                        | OMIT                                                                            |          |
| spr                        | '00'B                                                                           |          |
| arfcn                      | INT_TO_BIT(par_arfcn, 10)                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| Structured Type Constraint |                                                                                     |          |
|----------------------------|-------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_23f(ts_ccch: BITSTRING; par_arfcn: INTEGER)                                |          |
| <b>Structured Type:</b>    | CHD                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                     |          |
| <b>Comments:</b>           | A derived constraint for <<Channel description >>ie with TCH/H hopping in any CELL. |          |
| Element Name               | Element Value                                                                       | Comments |
| iei                        | OMIT                                                                                |          |
| cht_schn                   | INT_TO_BIT((2 +<br>BIT_TO_INT(TSPX_TCHHSubDef)), 5)                                 |          |
| tn                         | ts_ccch                                                                             |          |
| tsc                        | TSPX_TscDef                                                                         |          |
| hch                        | '1'B                                                                                |          |
| maio                       | TSPX_MAIO                                                                           |          |
| hsn                        | TSPX_HSN                                                                            |          |
| spr                        | OMIT                                                                                |          |
| arfcn                      | INT_TO_BIT(par_arfcn, 10)                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                     |          |

| Structured Type Constraint |                                                                                                |          |
|----------------------------|------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_241(ts_ccch: BITSTRING)                                                               |          |
| <b>Structured Type:</b>    | CHD                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                |          |
| <b>Comments:</b>           | A derived constraint for <<Channel description >>ie with TCH/H freq. hopping used in any CELL. |          |
| Element Name               | Element Value                                                                                  | Comments |
| iei                        | OMIT                                                                                           |          |
| cht_schn                   | INT_TO_BIT((2+<br>BIT_TO_INT(TSPX_TCHHSubDef)), 5)                                             |          |
| tn                         | ts_ccch                                                                                        |          |
| tsc                        | TSPX_TscDef                                                                                    |          |
| hch                        | '1'B                                                                                           |          |
| maio                       | TSPX_MAIO                                                                                      |          |
| hsn                        | TSPX_HSN                                                                                       |          |
| spr                        | OMIT                                                                                           |          |
| arfcn                      | OMIT                                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                                |          |

| Structured Type Constraint |                                                                                                |          |
|----------------------------|------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_242(ts_ccch: BITSTRING)                                                               |          |
| <b>Structured Type:</b>    | CHD                                                                                            |          |
| <b>Derivation Path:</b>    | ChDescrp_22.                                                                                   |          |
| <b>Comments:</b>           | A derived constraint for <<Channel description >>ie with TCH/H freq. hopping used in any CELL. |          |
| Element Name               | Element Value                                                                                  | Comments |
| cht_schn                   | INT_TO_BIT((2 +<br>BIT_TO_INT(TSPX_TCHHSubDef)), 5)                                            |          |
| tn                         | ts_ccch                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                |          |

| Structured Type Constraint |                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_25(ts_ccch: BITSTRING; par_arfcn: INTEGER)                                       |          |
| <b>Structured Type:</b>    | CHD                                                                                       |          |
| <b>Derivation Path:</b>    | ChDescrp_21.                                                                              |          |
| <b>Comments:</b>           | A derived constraint for <<Channel description >>ie with SDCCH/4 non hopping in any cell. |          |
| Element Name               | Element Value                                                                             | Comments |
| cht_schn                   | INT_TO_BIT((4+<br>BIT_TO_INT(TSPX_SDCCH4SubDef)), 5)                                      |          |
| tn                         | ts_ccch                                                                                   |          |
| arfcn                      | INT_TO_BIT(par_arfcn, 10)                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                           |          |

| Structured Type Constraint |                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_27(ts_ccch: BITSTRING; par_arfcn: INTEGER)                                       |          |
| <b>Structured Type:</b>    | CHD                                                                                       |          |
| <b>Derivation Path:</b>    | ChDescrp_21.                                                                              |          |
| <b>Comments:</b>           | A derived constraint for <<Channel description >>ie with SDCCH/8 non hopping in any cell. |          |
| Element Name               | Element Value                                                                             | Comments |
| cht_schn                   | INT_TO_BIT((8+<br>BIT_TO_INT(TSPX_SDCCH8SubDef)), 5)                                      |          |
| tn                         | ts_ccch                                                                                   |          |
| arfcn                      | INT_TO_BIT(par_arfcn, 10)                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                           |          |

| Structured Type Constraint |                                                                                       |          |
|----------------------------|---------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_28(ts_ccch: BITSTRING)                                                       |          |
| <b>Structured Type:</b>    | CHD                                                                                   |          |
| <b>Derivation Path:</b>    | ChDescrp_22.                                                                          |          |
| <b>Comments:</b>           | A derived constraint for <<Channel description >>ie with SDCCH/8 with FH in any cell. |          |
| Element Name               | Element Value                                                                         | Comments |
| cht_schn                   | INT_TO_BIT((8 +                                                                       |          |
| tn                         | BIT_TO_INT(TSPX_SDCCH8SubDef)), 5)                                                    |          |
|                            | ts_ccch                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                       |          |

| Structured Type Constraint |                                                                                                 |          |
|----------------------------|-------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_282(ts_ccch: BITSTRING)                                                                |          |
| <b>Structured Type:</b>    | CHD                                                                                             |          |
| <b>Derivation Path:</b>    | ChDescrp_22.                                                                                    |          |
| <b>Comments:</b>           | A derived constraint for <<Channel description >>ie with SDCCH/8 with FH in any cell with HSN=0 |          |
| Element Name               | Element Value                                                                                   | Comments |
| cht_schn                   | INT_TO_BIT((8 +                                                                                 |          |
| tn                         | BIT_TO_INT(TSPX_SDCCH8SubDef)), 5)                                                              |          |
| hsn                        | ts_ccch                                                                                         |          |
|                            | '000000'B                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                 |          |

| Structured Type Constraint |                                                                                                  |          |
|----------------------------|--------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_29                                                                                      |          |
| <b>Structured Type:</b>    | CHD                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                  |          |
| <b>Comments:</b>           | To send a SYSTEM INFORMATION TYPE 4 message for SMSCB with the values of GSM 11.10, 34.3 for GSM |          |
| Element Name               | Element Value                                                                                    | Comments |
| iei                        | '01100100'B                                                                                      |          |
| cht_schn                   | '00110'B                                                                                         |          |
| tn                         | '000'B                                                                                           |          |
| tsc                        | C_BCC                                                                                            |          |
| hch                        | '0'B                                                                                             |          |
| maio                       | OMIT                                                                                             |          |
| hsn                        | OMIT                                                                                             |          |
| spr                        | '00'B                                                                                            |          |
| arfcn                      | INT_TO_BIT(20,10)                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                  |          |

| Structured Type Constraint |                                                                                                      |          |
|----------------------------|------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_30                                                                                          |          |
| <b>Structured Type:</b>    | CHD                                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                                      |          |
| <b>Comments:</b>           | To send a SYSTEM INFORMATION TYPE 4 message for SMSCB with the values or GSM 11.10, 34.3 for DCS1800 |          |
| Element Name               | Element Value                                                                                        | Comments |
| iei                        | '01100100'B                                                                                          |          |
| cht_schn                   | '00110'B                                                                                             |          |
| tn                         | '000'B                                                                                               |          |
| tsc                        | C_BCC                                                                                                |          |
| hch                        | '0'B                                                                                                 |          |
| maio                       | OMIT                                                                                                 |          |
| hsn                        | OMIT                                                                                                 |          |
| spr                        | '00'B                                                                                                |          |
| arfcn                      | INT_TO_BIT(590,10)                                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                                      |          |

| Structured Type Constraint |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_E_01(ts_ccch: BITSTRING; tsc:TSC; par_arfcn: INTEGER)                    |          |
| <b>Structured Type:</b>    | CHD                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                   |          |
| <b>Comments:</b>           | A constraint for <<Channel description >>ie with SDCCH/8 non hopping in any cell. |          |
| Element Name               | Element Value                                                                     | Comments |
| iei                        | OMIT                                                                              |          |
| cht_schn                   | INT_TO_BIT((8+<br>BIT_TO_INT(TSPX_SDCCH8SubA)), 5)                                |          |
| tn                         | ts_ccch                                                                           |          |
| tsc                        | tsc                                                                               |          |
| hch                        | '0'B                                                                              |          |
| maio                       | OMIT                                                                              |          |
| hsn                        | OMIT                                                                              |          |
| spr                        | '00'B                                                                             |          |
| arfcn                      | INT_TO_BIT(par_arfcn, 10)                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| Structured Type Constraint |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_E_02(ts_ccch: BITSTRING; tsc:TSC)                                    |          |
| <b>Structured Type:</b>    | CHD                                                                           |          |
| <b>Derivation Path:</b>    |                                                                               |          |
| <b>Comments:</b>           | A constraint for <<Channel description >>ie with SDCCH/8 with FH in any cell. |          |
| Element Name               | Element Value                                                                 | Comments |
| iei                        | OMIT                                                                          |          |
| cht_schn                   | INT_TO_BIT((8 +<br>BIT_TO_INT(TSPX_SDCCH8SubB)), 5)                           |          |
| tn                         | ts_ccch                                                                       |          |
| tsc                        | tsc                                                                           |          |
| hch                        | '1'B                                                                          |          |
| maio                       | TSPX_MAIO                                                                     |          |
| hsn                        | TSPX_HSN                                                                      |          |
| spr                        | OMIT                                                                          |          |
| arfcn                      | OMIT                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| Structured Type Constraint |                                                                                                             |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r01C_def(sub:BITSTRING; slot:SN; tsc:TSC)                                                          |          |
| <b>Structured Type:</b>    | CHD                                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                             |          |
| <b>Comments:</b>           | Channel description for SDCCH8 in cell A for RR test. the subchannel is specified bt input parameter `sub`. |          |
| Element Name               | Element Value                                                                                               | Comments |
| iei                        | OMIT                                                                                                        |          |
| cht_schn                   | INT_TO_BIT((8 + BIT_TO_INT(sub)), 5)                                                                        |          |
| tn                         | slot                                                                                                        |          |
| tsc                        | tsc                                                                                                         |          |
| hch                        | '0'B                                                                                                        |          |
| maio                       | OMIT                                                                                                        |          |
| hsn                        | OMIT                                                                                                        |          |
| spr                        | '00'B                                                                                                       |          |
| arfcn                      | INT_TO_BIT(C_arfcnA, 10)                                                                                    |          |
| <b>Detailed Comments:</b>  | Used in TC_26_1_1,                                                                                          |          |

| Structured Type Constraint |                                                                                                             |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r01dC_def(sub:BITSTRING; slot:SN; tsc:TSC)                                                         |          |
| <b>Structured Type:</b>    | CHD                                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                             |          |
| <b>Comments:</b>           | Channel description for SDCCH8 in cell A for RR test. the subchannel is specified bt input parameter `sub`. |          |
| Element Name               | Element Value                                                                                               | Comments |
| iei                        | OMIT                                                                                                        |          |
| cht_schn                   | INT_TO_BIT((8 + BIT_TO_INT(sub)), 5)                                                                        |          |
| tn                         | slot                                                                                                        |          |
| tsc                        | tsc                                                                                                         |          |
| hch                        | '0'B                                                                                                        |          |
| maio                       | OMIT                                                                                                        |          |
| hsn                        | OMIT                                                                                                        |          |
| spr                        | '00'B                                                                                                       |          |
| arfcn                      | INT_TO_BIT(590, 10)                                                                                         |          |
| <b>Detailed Comments:</b>  | Used in TC_26_1_1,                                                                                          |          |

| Structured Type Constraint |                                                                                                             |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r01NotC_def(sub:BITSTRING; slot:SN; tsc:TSC)                                                       |          |
| <b>Structured Type:</b>    | CHD                                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                             |          |
| <b>Comments:</b>           | Channel description for SDCCH8 in cell A for RR test. the subchannel is specified bt input parameter `sub`. |          |
| Element Name               | Element Value                                                                                               | Comments |
| iei                        | OMIT                                                                                                        |          |
| cht_schn                   | INT_TO_BIT((8 + BIT_TO_INT(sub)), 5)                                                                        |          |
| tn                         | slot                                                                                                        |          |
| tsc                        | tsc                                                                                                         |          |
| hch                        | '0'B                                                                                                        |          |
| maio                       | OMIT                                                                                                        |          |
| hsn                        | OMIT                                                                                                        |          |
| spr                        | '00'B                                                                                                       |          |
| arfcn                      | INT_TO_BIT(30, 10)                                                                                          |          |
| <b>Detailed Comments:</b>  | Used in TC_26_1_1,                                                                                          |          |

| Structured Type Constraint |                                                                                                             |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r01dNotC_def(sub:BITSTRING; slot:SN; tsc:TSC)                                                      |          |
| <b>Structured Type:</b>    | CHD                                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                             |          |
| <b>Comments:</b>           | Channel description for SDCCH8 in cell A for RR test. the subchannel is specified bt input parameter `sub`. |          |
| Element Name               | Element Value                                                                                               | Comments |
| iei                        | OMIT                                                                                                        |          |
| cht_schn                   | INT_TO_BIT((8 + BIT_TO_INT(sub)), 5)                                                                        |          |
| tn                         | slot                                                                                                        |          |
| tsc                        | tsc                                                                                                         |          |
| hch                        | '0'B                                                                                                        |          |
| maio                       | OMIT                                                                                                        |          |
| hsn                        | OMIT                                                                                                        |          |
| spr                        | '00'B                                                                                                       |          |
| arfcn                      | INT_TO_BIT(650, 10)                                                                                         |          |
| <b>Detailed Comments:</b>  | Used in TC_26_1_1,                                                                                          |          |

| Structured Type Constraint |                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r01def(slot:SN; tsc:TSC)                                                                            |          |
| <b>Structured Type:</b>    | CHD                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                              |          |
| <b>Comments:</b>           | Channel description for SDCCH8 in cell A for RR test. the subchannel is the PIXIT parameter TSPX_SDCCH8SubA. |          |
| Element Name               | Element Value                                                                                                | Comments |
| iei                        | OMIT                                                                                                         |          |
| cht_schn                   | INT_TO_BIT((8 + BIT_TO_INT(TSPX_SDCCH8SubA)), 5)                                                             |          |
| tn                         | slot                                                                                                         |          |
| tsc                        | tsc                                                                                                          |          |
| hch                        | '0'B                                                                                                         |          |
| maio                       | OMIT                                                                                                         |          |
| hsn                        | OMIT                                                                                                         |          |
| spr                        | '00'B                                                                                                        |          |
| arfcn                      | INT_TO_BIT(30, 10)                                                                                           |          |
| <b>Detailed Comments:</b>  | Used in TC_26_1_1,                                                                                           |          |

| Structured Type Constraint |                                          |          |
|----------------------------|------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r02Def(slot:SN; tsc:TSC)        |          |
| <b>Structured Type:</b>    | CHD                                      |          |
| <b>Derivation Path:</b>    |                                          |          |
| <b>Comments:</b>           | Channel description for TCH/F in cell A. |          |
| Element Name               | Element Value                            | Comments |
| iei                        | OMIT                                     |          |
| cht_schn                   | '00001'B                                 |          |
| tn                         | slot                                     |          |
| tsc                        | tsc                                      |          |
| hch                        | '0'B                                     |          |
| maio                       | OMIT                                     |          |
| hsn                        | OMIT                                     |          |
| spr                        | '00'B                                    |          |
| arfcn                      | INT_TO_BIT(C_arfcnA, 10)                 |          |
| <b>Detailed Comments:</b>  |                                          |          |

| Structured Type Constraint |                                          |          |
|----------------------------|------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r02(slot:SN; tsc:TSC)           |          |
| <b>Structured Type:</b>    | CHD                                      |          |
| <b>Derivation Path:</b>    |                                          |          |
| <b>Comments:</b>           | Channel description for TCH/F in cell A. |          |
| Element Name               | Element Value                            | Comments |
| iei                        | OMIT                                     |          |
| cht_schn                   | '00001'B                                 |          |
| tn                         | slot                                     |          |
| tsc                        | tsc                                      |          |
| hch                        | '0'B                                     |          |
| maio                       | OMIT                                     |          |
| hsn                        | OMIT                                     |          |
| spr                        | '00'B                                    |          |
| arfcn                      | INT_TO_BIT(30, 10)                       |          |
| <b>Detailed Comments:</b>  |                                          |          |

| Structured Type Constraint |                                          |          |
|----------------------------|------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r02d(slot:SN; tsc:TSC)          |          |
| <b>Structured Type:</b>    | CHD                                      |          |
| <b>Derivation Path:</b>    |                                          |          |
| <b>Comments:</b>           | Channel description for TCH/F in cell A. |          |
| Element Name               | Element Value                            | Comments |
| iei                        | OMIT                                     |          |
| cht_schn                   | '00001'B                                 |          |
| tn                         | slot                                     |          |
| tsc                        | tsc                                      |          |
| hch                        | '0'B                                     |          |
| maio                       | OMIT                                     |          |
| hsn                        | OMIT                                     |          |
| spr                        | '00'B                                    |          |
| arfcn                      | INT_TO_BIT(650, 10)                      |          |
| <b>Detailed Comments:</b>  |                                          |          |

| Structured Type Constraint |                                                 |          |
|----------------------------|-------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r03(subch:BITSTRING; slot:SN; tsc:TSC) |          |
| <b>Structured Type:</b>    | CHD                                             |          |
| <b>Derivation Path:</b>    |                                                 |          |
| <b>Comments:</b>           | Channel description for TCH/H in cell A.        |          |
| Element Name               | Element Value                                   | Comments |
| iei                        | OMIT                                            |          |
| cht_schn                   | INT_TO_BIT((2 + BIT_TO_INT(subch)), 5)          |          |
| tn                         | slot                                            |          |
| tsc                        | tsc                                             |          |
| hch                        | '0'B                                            |          |
| maio                       | OMIT                                            |          |
| hsn                        | OMIT                                            |          |
| spr                        | '00'B                                           |          |
| arfcn                      | INT_TO_BIT(30, 10)                              |          |
| <b>Detailed Comments:</b>  |                                                 |          |



| Structured Type Constraint |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r03d(subch:BITSTRING; slot:SN; tsc:TSC) |          |
| <b>Structured Type:</b>    | CHD                                              |          |
| <b>Derivation Path:</b>    |                                                  |          |
| <b>Comments:</b>           | Channel description for TCH/H in cell A.         |          |
| Element Name               | Element Value                                    | Comments |
| iei                        | OMIT                                             |          |
| cht_schn                   | INT_TO_BIT((2 + BIT_TO_INT(subch)), 5)           |          |
| tn                         | slot                                             |          |
| tsc                        | tsc                                              |          |
| hch                        | '0'B                                             |          |
| maio                       | OMIT                                             |          |
| hsn                        | OMIT                                             |          |
| spr                        | '00'B                                            |          |
| arfcn                      | INT_TO_BIT(650, 10)                              |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| Structured Type Constraint |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r04(ch:BITSTRING; slot:SN; tsc: TSC)                                 |          |
| <b>Structured Type:</b>    | CHD                                                                           |          |
| <b>Derivation Path:</b>    |                                                                               |          |
| <b>Comments:</b>           | Channel description for SDCCH4 in cell A with channel number 20 for RR tests. |          |
| Element Name               | Element Value                                                                 | Comments |
| iei                        | OMIT                                                                          |          |
| cht_schn                   | INT_TO_BIT((4 + BIT_TO_INT(ch)), 5)                                           |          |
| tn                         | slot                                                                          |          |
| tsc                        | tsc                                                                           |          |
| hch                        | '0'B                                                                          |          |
| maio                       | OMIT                                                                          |          |
| hsn                        | OMIT                                                                          |          |
| spr                        | '00'B                                                                         |          |
| arfcn                      | INT_TO_BIT(C_arfcnA, 10)                                                      |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| Structured Type Constraint |                                                                                                                                         |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r04d(ch:BITSTRING; slot:SN; tsc:TSC)                                                                                           |          |
| <b>Structured Type:</b>    | CHD                                                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                                         |          |
| <b>Comments:</b>           | Channel description for a SDCCH4 subchannel in cell A with ARFCN 590 for RR tests, the subchannel is specified by input parameter `ch`. |          |
| Element Name               | Element Value                                                                                                                           | Comments |
| iei                        | OMIT                                                                                                                                    |          |
| cht_schn                   | INT_TO_BIT((4 + BIT_TO_INT(ch)), 5)                                                                                                     |          |
| tn                         | slot                                                                                                                                    |          |
| tsc                        | tsc                                                                                                                                     |          |
| hch                        | '0'B                                                                                                                                    |          |
| maio                       | OMIT                                                                                                                                    |          |
| hsn                        | OMIT                                                                                                                                    |          |
| spr                        | '00'B                                                                                                                                   |          |
| arfcn                      | '1001001110'B                                                                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                                                                         |          |

| Structured Type Constraint |                                                |          |
|----------------------------|------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r05(type:BITSTRING; slot:SN; tsc:TSC) |          |
| <b>Structured Type:</b>    | CHD                                            |          |
| <b>Derivation Path:</b>    |                                                |          |
| <b>Comments:</b>           | Channel description for TCH/F in cell A.       |          |
| Element Name               | Element Value                                  | Comments |
| iei                        | OMIT                                           |          |
| cht_schn                   | type                                           |          |
| tn                         | slot                                           |          |
| tsc                        | tsc                                            |          |
| hch                        | '0'B                                           |          |
| maio                       | OMIT                                           |          |
| hsn                        | OMIT                                           |          |
| spr                        | '00'B                                          |          |
| arfcn                      | INT_TO_BIT(30, 10)                             |          |
| <b>Detailed Comments:</b>  |                                                |          |

| Structured Type Constraint |                                                 |          |
|----------------------------|-------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r05d(type:BITSTRING; slot:SN; tsc:TSC) |          |
| <b>Structured Type:</b>    | CHD                                             |          |
| <b>Derivation Path:</b>    |                                                 |          |
| <b>Comments:</b>           | Channel description for TCH/F in cell A.        |          |
| Element Name               | Element Value                                   | Comments |
| iei                        | OMIT                                            |          |
| cht_schn                   | type                                            |          |
| tn                         | slot                                            |          |
| tsc                        | tsc                                             |          |
| hch                        | '0'B                                            |          |
| maio                       | OMIT                                            |          |
| hsn                        | OMIT                                            |          |
| spr                        | '00'B                                           |          |
| arfcn                      | INT_TO_BIT(650, 10)                             |          |
| <b>Detailed Comments:</b>  |                                                 |          |

| Structured Type Constraint |                                          |          |
|----------------------------|------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r10(slot:SN; tsc:TSC)           |          |
| <b>Structured Type:</b>    | CHD                                      |          |
| <b>Derivation Path:</b>    |                                          |          |
| <b>Comments:</b>           | Channel description for TCH/F in cell B. |          |
| Element Name               | Element Value                            | Comments |
| iei                        | OMIT                                     |          |
| cht_schn                   | '00001'B                                 |          |
| tn                         | slot                                     |          |
| tsc                        | tsc                                      |          |
| hch                        | '0'B                                     |          |
| maio                       | OMIT                                     |          |
| hsn                        | OMIT                                     |          |
| spr                        | '00'B                                    |          |
| arfcn                      | INT_TO_BIT(TSPX_TCHcarrierB, 10)         |          |
| <b>Detailed Comments:</b>  |                                          |          |

| Structured Type Constraint |                                                                              |          |
|----------------------------|------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r23(slot:SN; tsc:TSC)                                               |          |
| <b>Structured Type:</b>    | CHD                                                                          |          |
| <b>Derivation Path:</b>    |                                                                              |          |
| <b>Comments:</b>           | Channel description for SDCCH4 in cell A with channel number 2 for RR tests. |          |
| Element Name               | Element Value                                                                | Comments |
| iei                        | OMIT                                                                         |          |
| cht_schn                   | INT_TO_BIT((4 +<br>BIT_TO_INT(TSPX_SDCCH4SubA)), 5)                          |          |
| tn                         | slot                                                                         |          |
| tsc                        | tsc                                                                          |          |
| hch                        | '0'B                                                                         |          |
| maio                       | OMIT                                                                         |          |
| hsn                        | OMIT                                                                         |          |
| spr                        | '00'B                                                                        |          |
| arfcn                      | '0000000010'B                                                                |          |
| <b>Detailed Comments:</b>  |                                                                              |          |

| Structured Type Constraint |                                                                              |          |
|----------------------------|------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r24(slot:SN; tsc:TSC)                                               |          |
| <b>Structured Type:</b>    | CHD                                                                          |          |
| <b>Derivation Path:</b>    | ChDescrp_r23.                                                                |          |
| <b>Comments:</b>           | Channel description for SDCCH4 in cell A with channel number 2 for RR tests. |          |
| Element Name               | Element Value                                                                | Comments |
| tn                         | slot                                                                         |          |
| tsc                        | tsc                                                                          |          |
| arfcn                      | '0000101100'B                                                                |          |
| <b>Detailed Comments:</b>  |                                                                              |          |

| Structured Type Constraint |                                                                              |          |
|----------------------------|------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r25(slot:SN; tsc:TSC)                                               |          |
| <b>Structured Type:</b>    | CHD                                                                          |          |
| <b>Derivation Path:</b>    | ChDescrp_r23.                                                                |          |
| <b>Comments:</b>           | Channel description for SDCCH4 in cell A with channel number 2 for RR tests. |          |
| Element Name               | Element Value                                                                | Comments |
| tn                         | slot                                                                         |          |
| tsc                        | tsc                                                                          |          |
| arfcn                      | '1000000010'B                                                                |          |
| <b>Detailed Comments:</b>  |                                                                              |          |

| Structured Type Constraint |                                                                              |          |
|----------------------------|------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r26(slot:SN; tsc:TSC)                                               |          |
| <b>Structured Type:</b>    | CHD                                                                          |          |
| <b>Derivation Path:</b>    | ChDescrp_r23.                                                                |          |
| <b>Comments:</b>           | Channel description for SDCCH4 in cell A with channel number 2 for RR tests. |          |
| Element Name               | Element Value                                                                | Comments |
| tn                         | slot                                                                         |          |
| tsc                        | tsc                                                                          |          |
| arfcn                      | '1011001011'B                                                                |          |
| <b>Detailed Comments:</b>  |                                                                              |          |

| Structured Type Constraint |                                                                              |          |
|----------------------------|------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r27(slot:SN; tsc:TSC)                                               |          |
| <b>Structured Type:</b>    | CHD                                                                          |          |
| <b>Derivation Path:</b>    | ChDescrp_r23.                                                                |          |
| <b>Comments:</b>           | Channel description for SDCCH4 in cell A with channel number 2 for RR tests. |          |
| Element Name               | Element Value                                                                | Comments |
| tn                         | slot                                                                         |          |
| tsc                        | tsc                                                                          |          |
| arfcn                      | '1100101010'B                                                                |          |
| <b>Detailed Comments:</b>  |                                                                              |          |

| Structured Type Constraint |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r28(slot:SN; tsc:TSC)                             |          |
| <b>Structured Type:</b>    | CHD                                                        |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | Channel description for SDCCH8 in cell A for TC_26_6_13_1. |          |
| Element Name               | Element Value                                              | Comments |
| iei                        | OMIT                                                       |          |
| cht_schn                   | INT_TO_BIT((8 +<br>BIT_TO_INT(TSPX_SDCCH8SubA)), 5)        |          |
| tn                         | slot                                                       |          |
| tsc                        | tsc                                                        |          |
| hch                        | '1'B                                                       |          |
| maio                       | TSPX_Maio1                                                 |          |
| hsn                        | TSPX_Hsn1                                                  |          |
| spr                        | OMIT                                                       |          |
| arfcn                      | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| Structured Type Constraint |                                                                                                |          |
|----------------------------|------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r29(slot:SN; tsc:TSC)                                                                 |          |
| <b>Structured Type:</b>    | CHD                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                |          |
| <b>Comments:</b>           | Channel description for a hopping channel in cell A for ASSIGNMENT after time of TC_26_6_13_1. |          |
| Element Name               | Element Value                                                                                  | Comments |
| iei                        | OMIT                                                                                           |          |
| cht_schn                   | TSPX_Chtp1                                                                                     |          |
| tn                         | slot                                                                                           |          |
| tsc                        | tsc                                                                                            |          |
| hch                        | '1'B                                                                                           |          |
| maio                       | TSPX_Maio2                                                                                     |          |
| hsn                        | TSPX_Hsn2                                                                                      |          |
| spr                        | OMIT                                                                                           |          |
| arfcn                      | OMIT                                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                                |          |

| Structured Type Constraint |                                                                                                 |          |
|----------------------------|-------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r30(slot:SN; tsc:TSC)                                                                  |          |
| <b>Structured Type:</b>    | CHD                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                 |          |
| <b>Comments:</b>           | Channel description for a hopping channel in cell A for ASSIGNMENT before time of TC_26_6_13_1. |          |
| Element Name               | Element Value                                                                                   | Comments |
| iei                        | '01100100'B                                                                                     |          |
| cht_schn                   | TSPX_Chtp1                                                                                      |          |
| tn                         | slot                                                                                            |          |
| tsc                        | tsc                                                                                             |          |
| hch                        | '1'B                                                                                            |          |
| maio                       | TSPX_Maio3                                                                                      |          |
| hsn                        | TSPX_Hsn3                                                                                       |          |
| spr                        | OMIT                                                                                            |          |
| arfcn                      | OMIT                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                 |          |

| Structured Type Constraint |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r31(slot:SN; tsc:TSC)                             |          |
| <b>Structured Type:</b>    | CHD                                                        |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | Channel description for SDCCH8 in cell A for TC_26_6_13_2. |          |
| Element Name               | Element Value                                              | Comments |
| iei                        | OMIT                                                       |          |
| cht_schn                   | INT_TO_BIT((8 + BIT_TO_INT(TSPX_SDCCH8SubB)), 5)           |          |
| tn                         | slot                                                       |          |
| tsc                        | tsc                                                        |          |
| hch                        | '1'B                                                       |          |
| maio                       | TSPX_Maio4                                                 |          |
| hsn                        | TSPX_Hsn4                                                  |          |
| spr                        | OMIT                                                       |          |
| arfcn                      | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| Structured Type Constraint |                                                                                                |          |
|----------------------------|------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r32(slot:SN; tsc:TSC)                                                                 |          |
| <b>Structured Type:</b>    | CHD                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                |          |
| <b>Comments:</b>           | Channel description for a hopping channel in cell A for ASSIGNMENT after time of TC_26_6_13_2. |          |
| Element Name               | Element Value                                                                                  | Comments |
| iei                        | OMIT                                                                                           |          |
| cht_schn                   | TSPX_Chtp2                                                                                     |          |
| tn                         | slot                                                                                           |          |
| tsc                        | tsc                                                                                            |          |
| hch                        | '1'B                                                                                           |          |
| maio                       | TSPX_Maio5                                                                                     |          |
| hsn                        | TSPX_Hsn5                                                                                      |          |
| spr                        | OMIT                                                                                           |          |
| arfcn                      | OMIT                                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                                |          |

| Structured Type Constraint |                                                                                               |          |
|----------------------------|-----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r33(slot:SN; tsc:TSC)                                                                |          |
| <b>Structured Type:</b>    | CHD                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                               |          |
| <b>Comments:</b>           | Channel description for a hopping channel in cell A for IMMEDIATE ASSIGNMENT of TC_26_6_13_3. |          |
| Element Name               | Element Value                                                                                 | Comments |
| iei                        | OMIT                                                                                          |          |
| cht_schn                   | TSPX_Chtp3                                                                                    |          |
| tn                         | slot                                                                                          |          |
| tsc                        | tsc                                                                                           |          |
| hch                        | '1'B                                                                                          |          |
| maio                       | TSPX_Maio6                                                                                    |          |
| hsn                        | TSPX_Hsn6                                                                                     |          |
| spr                        | OMIT                                                                                          |          |
| arfcn                      | OMIT                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                               |          |

| Structured Type Constraint |                                                                                                 |          |
|----------------------------|-------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r34(slot:SN; tsc:TSC)                                                                  |          |
| <b>Structured Type:</b>    | CHD                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                 |          |
| <b>Comments:</b>           | Channel description for a hopping channel in cell A for FREQUENCY REDIFINITION of TC_26_6_13_3. |          |
| Element Name               | Element Value                                                                                   | Comments |
| iei                        | OMIT                                                                                            |          |
| cht_schn                   | TSPX_Chtp3                                                                                      |          |
| tn                         | slot                                                                                            |          |
| tsc                        | tsc                                                                                             |          |
| hch                        | '1'B                                                                                            |          |
| maio                       | TSPX_Maio7                                                                                      |          |
| hsn                        | TSPX_Hsn7                                                                                       |          |
| spr                        | OMIT                                                                                            |          |
| arfcn                      | OMIT                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                 |          |

| Structured Type Constraint                                             |                                                                                                            |          |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>                                                | ChDescrp_r35(slot:SN; tsc:TSC)                                                                             |          |
| <b>Structured Type:</b>                                                | CHD                                                                                                        |          |
| <b>Derivation Path:</b>                                                |                                                                                                            |          |
| <b>Comments:</b>                                                       | Channel description for a hopping channel in cell A for ASSIGNMENT COMMAND in TC_26_6_13_3 for after time. |          |
| Element Name                                                           | Element Value                                                                                              | Comments |
| iei                                                                    | OMIT                                                                                                       |          |
| cht_schn                                                               | TSPX_Chtp4                                                                                                 |          |
| tn                                                                     | slot                                                                                                       |          |
| tsc                                                                    | tsc                                                                                                        |          |
| hch                                                                    | '1'B                                                                                                       |          |
| maio                                                                   | TSPX_Maio8                                                                                                 |          |
| hsn                                                                    | TSPX_Hsn8                                                                                                  |          |
| spr                                                                    | OMIT                                                                                                       |          |
| arfcn                                                                  | OMIT                                                                                                       |          |
| <b>Detailed Comments:</b> this channel is not activated in the tester. |                                                                                                            |          |

| Structured Type Constraint |                                                                                                             |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r36(slot:SN; tsc:TSC)                                                                              |          |
| <b>Structured Type:</b>    | CHD                                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                             |          |
| <b>Comments:</b>           | Channel description for a hopping channel in cell A for ASSIGNMENT COMMAND in TC_26_6_13_3 for before time. |          |
| Element Name               | Element Value                                                                                               | Comments |
| iei                        | '01100100'B                                                                                                 |          |
| cht_schn                   | TSPX_Chtp4                                                                                                  |          |
| tn                         | slot                                                                                                        |          |
| tsc                        | tsc                                                                                                         |          |
| hch                        | '1'B                                                                                                        |          |
| maio                       | TSPX_Maio9                                                                                                  |          |
| hsn                        | TSPX_Hsn9                                                                                                   |          |
| spr                        | OMIT                                                                                                        |          |
| arfcn                      | OMIT                                                                                                        |          |
| <b>Detailed Comments:</b>  | this channel is not activated in the tester.                                                                |          |

| Structured Type Constraint |                                                                                               |          |
|----------------------------|-----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r37(slot:SN; tsc:TSC)                                                                |          |
| <b>Structured Type:</b>    | CHD                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                               |          |
| <b>Comments:</b>           | Channel description for a hopping channel in cell A for IMMEDIATE ASSIGNMENT of TC_26_6_13_4. |          |
| Element Name               | Element Value                                                                                 | Comments |
| iei                        | OMIT                                                                                          |          |
| cht_schn                   | TSPX_Chtp5                                                                                    |          |
| tn                         | slot                                                                                          |          |
| tsc                        | tsc                                                                                           |          |
| hch                        | '1'B                                                                                          |          |
| maio                       | TSPX_Maio10                                                                                   |          |
| hsn                        | TSPX_Hsn10                                                                                    |          |
| spr                        | OMIT                                                                                          |          |
| arfcn                      | OMIT                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                               |          |

| Structured Type Constraint |                                                                                                 |          |
|----------------------------|-------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r38(slot:SN; tsc:TSC)                                                                  |          |
| <b>Structured Type:</b>    | CHD                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                 |          |
| <b>Comments:</b>           | Channel description for a hopping channel in cell A for FREQUENCY REDIFINITION of TC_26_6_13_4. |          |
| Element Name               | Element Value                                                                                   | Comments |
| iei                        | OMIT                                                                                            |          |
| cht_schn                   | TSPX_Chtp5                                                                                      |          |
| tn                         | slot                                                                                            |          |
| tsc                        | tsc                                                                                             |          |
| hch                        | '1'B                                                                                            |          |
| maio                       | TSPX_Maio11                                                                                     |          |
| hsn                        | TSPX_Hsn11                                                                                      |          |
| spr                        | OMIT                                                                                            |          |
| arfcn                      | OMIT                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                 |          |

| Structured Type Constraint |                                                                                                            |          |
|----------------------------|------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r39(slot:SN; tsc:TSC)                                                                             |          |
| <b>Structured Type:</b>    | CHD                                                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                                            |          |
| <b>Comments:</b>           | Channel description for a hopping channel in cell A for ASSIGNMENT COMMAND in TC_26_6_13_4 for after time. |          |
| Element Name               | Element Value                                                                                              | Comments |
| iei                        | OMIT                                                                                                       |          |
| cht_schn                   | TSPX_Chtp6                                                                                                 |          |
| tn                         | slot                                                                                                       |          |
| tsc                        | tsc                                                                                                        |          |
| hch                        | '1'B                                                                                                       |          |
| maio                       | TSPX_Maio12                                                                                                |          |
| hsn                        | TSPX_Hsn12                                                                                                 |          |
| spr                        | OMIT                                                                                                       |          |
| arfcn                      | OMIT                                                                                                       |          |
| <b>Detailed Comments:</b>  | this channel is not activated in the tester.                                                               |          |

| Structured Type Constraint |                                                                                                             |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r40(slot:SN; tsc:TSC)                                                                              |          |
| <b>Structured Type:</b>    | CHD                                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                             |          |
| <b>Comments:</b>           | Channel description for a hopping channel in cell A for ASSIGNMENT COMMAND in TC_26_6_13_4 for before time. |          |
| Element Name               | Element Value                                                                                               | Comments |
| iei                        | '01100100'B                                                                                                 |          |
| cht_schn                   | TSPX_Chtp6                                                                                                  |          |
| tn                         | slot                                                                                                        |          |
| tsc                        | tsc                                                                                                         |          |
| hch                        | '1'B                                                                                                        |          |
| maio                       | TSPX_Maio13                                                                                                 |          |
| hsn                        | TSPX_Hsn13                                                                                                  |          |
| spr                        | OMIT                                                                                                        |          |
| arfcn                      | OMIT                                                                                                        |          |
| <b>Detailed Comments:</b>  | this channel is not activated in the tester.                                                                |          |

| Structured Type Constraint |                                                                                                      |          |
|----------------------------|------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r41(slot:SN; tsc:TSC)                                                                       |          |
| <b>Structured Type:</b>    | CHD                                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                                      |          |
| <b>Comments:</b>           | Channel description for a hopping SDCCH8 channel in cell A for IMMEDIATE ASSIGNMENT in TC_26_6_13_5. |          |
| Element Name               | Element Value                                                                                        | Comments |
| iei                        | OMIT                                                                                                 |          |
| cht_schn                   | INT_TO_BIT((BIT_TO_INT(TSPX_SDCC H8SubB) + 8), 5)                                                    |          |
| tn                         | slot                                                                                                 |          |
| tsc                        | tsc                                                                                                  |          |
| hch                        | '1'B                                                                                                 |          |
| maio                       | TSPX_Maio14                                                                                          |          |
| hsn                        | TSPX_Hsn14                                                                                           |          |
| spr                        | OMIT                                                                                                 |          |
| arfcn                      | OMIT                                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                      |          |



| Structured Type Constraint |                                                                                                    |          |
|----------------------------|----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r42(slot:SN; tsc:TSC)                                                                     |          |
| <b>Structured Type:</b>    | CHD                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                    |          |
| <b>Comments:</b>           | Channel description for after time hopping channel in cell B for HANDOVER COMMAND of TC_26_6_13_5. |          |
| Element Name               | Element Value                                                                                      | Comments |
| iei                        | OMIT                                                                                               |          |
| cht_schn                   | TSPX_Chtp7                                                                                         |          |
| tn                         | slot                                                                                               |          |
| tsc                        | tsc                                                                                                |          |
| hch                        | '1'B                                                                                               |          |
| maio                       | TSPX_Maio15                                                                                        |          |
| hsn                        | TSPX_Hsn15                                                                                         |          |
| spr                        | OMIT                                                                                               |          |
| arfcn                      | OMIT                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                    |          |

| Structured Type Constraint |                                                                                                     |          |
|----------------------------|-----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r43(slot:SN; tsc:TSC)                                                                      |          |
| <b>Structured Type:</b>    | CHD                                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                                     |          |
| <b>Comments:</b>           | Channel description for before time hopping channel in cell B for HANDOVER COMMAND of TC_26_6_13_5. |          |
| Element Name               | Element Value                                                                                       | Comments |
| iei                        | '01100100'B                                                                                         |          |
| cht_schn                   | TSPX_Chtp7                                                                                          |          |
| tn                         | slot                                                                                                |          |
| tsc                        | tsc                                                                                                 |          |
| hch                        | '1'B                                                                                                |          |
| maio                       | TSPX_Maio16                                                                                         |          |
| hsn                        | TSPX_Hsn16                                                                                          |          |
| spr                        | OMIT                                                                                                |          |
| arfcn                      | OMIT                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                     |          |

| Structured Type Constraint |                                                                                                      |          |
|----------------------------|------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r44(slot:SN; tsc:TSC)                                                                       |          |
| <b>Structured Type:</b>    | CHD                                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                                      |          |
| <b>Comments:</b>           | Channel description for a hopping SDCCH8 channel in cell A for IMMEDIATE ASSIGNMENT in TC_26_6_13_6. |          |
| Element Name               | Element Value                                                                                        | Comments |
| iei                        | OMIT                                                                                                 |          |
| cht_schn                   | INT_TO_BIT((BIT_TO_INT(TSPX_SDCC H8SubC) + 8), 5)                                                    |          |
| tn                         | slot                                                                                                 |          |
| tsc                        | tsc                                                                                                  |          |
| hch                        | '1'B                                                                                                 |          |
| maio                       | TSPX_Maio17                                                                                          |          |
| hsn                        | TSPX_Hsn17                                                                                           |          |
| spr                        | OMIT                                                                                                 |          |
| arfcn                      | OMIT                                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                      |          |

| Structured Type Constraint |                                                                                                    |          |
|----------------------------|----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r45(slot:SN; tsc:TSC)                                                                     |          |
| <b>Structured Type:</b>    | CHD                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                    |          |
| <b>Comments:</b>           | Channel description for after time hopping channel in cell B for HANDOVER COMMAND of TC_26_6_13_6. |          |
| Element Name               | Element Value                                                                                      | Comments |
| iei                        | OMIT                                                                                               |          |
| cht_schn                   | TSPX_Chtp8                                                                                         |          |
| tn                         | slot                                                                                               |          |
| tsc                        | tsc                                                                                                |          |
| hch                        | '1'B                                                                                               |          |
| maio                       | TSPX_Maio18                                                                                        |          |
| hsn                        | TSPX_Hsn18                                                                                         |          |
| spr                        | OMIT                                                                                               |          |
| arfcn                      | OMIT                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                    |          |

| Structured Type Constraint |                                                                                                     |          |
|----------------------------|-----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r46(slot:SN; tsc:TSC)                                                                      |          |
| <b>Structured Type:</b>    | CHD                                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                                     |          |
| <b>Comments:</b>           | Channel description for before time hopping channel in cell B for HANDOVER COMMAND of TC_26_6_13_6. |          |
| Element Name               | Element Value                                                                                       | Comments |
| iei                        | '01100100'B                                                                                         |          |
| cht_schn                   | TSPX_Chtp8                                                                                          |          |
| tn                         | slot                                                                                                |          |
| tsc                        | tsc                                                                                                 |          |
| hch                        | '1'B                                                                                                |          |
| maio                       | TSPX_Maio19                                                                                         |          |
| hsn                        | TSPX_Hsn19                                                                                          |          |
| spr                        | OMIT                                                                                                |          |
| arfcn                      | OMIT                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                     |          |

| Structured Type Constraint |                                                                                               |          |
|----------------------------|-----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r47(slot:SN; tsc:TSC)                                                                |          |
| <b>Structured Type:</b>    | CHD                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                               |          |
| <b>Comments:</b>           | Channel description for a hopping channel in cell A for IMMEDIATE ASSIGNMENT of TC_26_6_13_7. |          |
| Element Name               | Element Value                                                                                 | Comments |
| iei                        | OMIT                                                                                          |          |
| cht_schn                   | TSPX_Chtp9                                                                                    |          |
| tn                         | slot                                                                                          |          |
| tsc                        | tsc                                                                                           |          |
| hch                        | '1'B                                                                                          |          |
| maio                       | TSPX_Maio20                                                                                   |          |
| hsn                        | TSPX_Hsn20                                                                                    |          |
| spr                        | OMIT                                                                                          |          |
| arfcn                      | OMIT                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                               |          |

| Structured Type Constraint |                                                                                                 |          |
|----------------------------|-------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r48(slot:SN; tsc:TSC)                                                                  |          |
| <b>Structured Type:</b>    | CHD                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                 |          |
| <b>Comments:</b>           | Channel description for a hopping channel in cell A for FREQUENCY REDIFINITION of TC_26_6_13_7. |          |
| Element Name               | Element Value                                                                                   | Comments |
| iei                        | OMIT                                                                                            |          |
| cht_schn                   | TSPX_Chtp9                                                                                      |          |
| tn                         | slot                                                                                            |          |
| tsc                        | tsc                                                                                             |          |
| hch                        | '1'B                                                                                            |          |
| maio                       | TSPX_Maio21                                                                                     |          |
| hsn                        | TSPX_Hsn21                                                                                      |          |
| spr                        | OMIT                                                                                            |          |
| arfcn                      | OMIT                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                 |          |

| Structured Type Constraint |                                                                                                    |          |
|----------------------------|----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r49(slot:SN; tsc:TSC)                                                                     |          |
| <b>Structured Type:</b>    | CHD                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                    |          |
| <b>Comments:</b>           | Channel description for after time hopping channel in cell B for HANDOVER COMMAND of TC_26_6_13_7. |          |
| Element Name               | Element Value                                                                                      | Comments |
| iei                        | OMIT                                                                                               |          |
| cht_schn                   | TSPX_Chtp10                                                                                        |          |
| tn                         | slot                                                                                               |          |
| tsc                        | tsc                                                                                                |          |
| hch                        | '1'B                                                                                               |          |
| maio                       | TSPX_Maio22                                                                                        |          |
| hsn                        | TSPX_Hsn22                                                                                         |          |
| spr                        | OMIT                                                                                               |          |
| arfcn                      | OMIT                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                    |          |

| Structured Type Constraint |                                                                                                     |          |
|----------------------------|-----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r50(slot:SN; tsc:TSC)                                                                      |          |
| <b>Structured Type:</b>    | CHD                                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                                     |          |
| <b>Comments:</b>           | Channel description for before time hopping channel in cell B for HANDOVER COMMAND of TC_26_6_13_7. |          |
| Element Name               | Element Value                                                                                       | Comments |
| iei                        | '01100100'B                                                                                         |          |
| cht_schn                   | TSPX_Chtp10                                                                                         |          |
| tn                         | slot                                                                                                |          |
| tsc                        | tsc                                                                                                 |          |
| hch                        | '1'B                                                                                                |          |
| maio                       | TSPX_Maio23                                                                                         |          |
| hsn                        | TSPX_Hsn23                                                                                          |          |
| spr                        | OMIT                                                                                                |          |
| arfcn                      | OMIT                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                     |          |

| Structured Type Constraint |                                                                                                    |          |
|----------------------------|----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r51(slot:SN; tsc:TSC)                                                                     |          |
| <b>Structured Type:</b>    | CHD                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                    |          |
| <b>Comments:</b>           | Channel description for after time hopping channel in cell B for HANDOVER COMMAND of TC_26_6_13_8. |          |
| Element Name               | Element Value                                                                                      | Comments |
| iei                        | OMIT                                                                                               |          |
| cht_schn                   | TSPX_Chtp12                                                                                        |          |
| tn                         | slot                                                                                               |          |
| tsc                        | tsc                                                                                                |          |
| hch                        | '1'B                                                                                               |          |
| maio                       | TSPX_Maio26                                                                                        |          |
| hsn                        | TSPX_Hsn26                                                                                         |          |
| spr                        | OMIT                                                                                               |          |
| arfcn                      | OMIT                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                    |          |

| Structured Type Constraint |                                                                                                     |          |
|----------------------------|-----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r52(slot:SN; tsc:TSC)                                                                      |          |
| <b>Structured Type:</b>    | CHD                                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                                     |          |
| <b>Comments:</b>           | Channel description for before time hopping channel in cell B for HANDOVER COMMAND of TC_26_6_13_8. |          |
| Element Name               | Element Value                                                                                       | Comments |
| iei                        | '01100100'B                                                                                         |          |
| cht_schn                   | TSPX_Chtp12                                                                                         |          |
| tn                         | slot                                                                                                |          |
| tsc                        | tsc                                                                                                 |          |
| hch                        | '1'B                                                                                                |          |
| maio                       | TSPX_Maio27                                                                                         |          |
| hsn                        | TSPX_Hsn27                                                                                          |          |
| spr                        | OMIT                                                                                                |          |
| arfcn                      | OMIT                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                     |          |

| Structured Type Constraint |                                                                                               |          |
|----------------------------|-----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r53(slot:SN; tsc:TSC)                                                                |          |
| <b>Structured Type:</b>    | CHD                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                               |          |
| <b>Comments:</b>           | Channel description for a hopping channel in cell A for IMMEDIATE ASSIGNMENT of TC_26_6_13_8. |          |
| Element Name               | Element Value                                                                                 | Comments |
| iei                        | OMIT                                                                                          |          |
| cht_schn                   | TSPX_Chtp11                                                                                   |          |
| tn                         | slot                                                                                          |          |
| tsc                        | tsc                                                                                           |          |
| hch                        | '1'B                                                                                          |          |
| maio                       | TSPX_Maio24                                                                                   |          |
| hsn                        | TSPX_Hsn24                                                                                    |          |
| spr                        | OMIT                                                                                          |          |
| arfcn                      | OMIT                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                               |          |

| Structured Type Constraint |                                                                                                 |          |
|----------------------------|-------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r54(slot:SN; tsc:TSC)                                                                  |          |
| <b>Structured Type:</b>    | CHD                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                 |          |
| <b>Comments:</b>           | Channel description for a hopping channel in cell A for FREQUENCY REDIFINITION of TC_26_6_13_8. |          |
| Element Name               | Element Value                                                                                   | Comments |
| iei                        | OMIT                                                                                            |          |
| cht_schn                   | TSPX_Chtp11                                                                                     |          |
| tn                         | slot                                                                                            |          |
| tsc                        | tsc                                                                                             |          |
| hch                        | '1'B                                                                                            |          |
| maio                       | TSPX_Maio25                                                                                     |          |
| hsn                        | TSPX_Hsn25                                                                                      |          |
| spr                        | OMIT                                                                                            |          |
| arfcn                      | OMIT                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                 |          |

| Structured Type Constraint |                                                                                               |          |
|----------------------------|-----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r55(slot:SN; tsc:TSC)                                                                |          |
| <b>Structured Type:</b>    | CHD                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                               |          |
| <b>Comments:</b>           | Channel description for a hopping channel in cell A for IMMEDIATE ASSIGNMENT of TC_26_6_13_9. |          |
| Element Name               | Element Value                                                                                 | Comments |
| iei                        | OMIT                                                                                          |          |
| cht_schn                   | TSPX_Chtp13                                                                                   |          |
| tn                         | slot                                                                                          |          |
| tsc                        | tsc                                                                                           |          |
| hch                        | '1'B                                                                                          |          |
| maio                       | TSPX_Maio28                                                                                   |          |
| hsn                        | TSPX_Hsn28                                                                                    |          |
| spr                        | OMIT                                                                                          |          |
| arfcn                      | OMIT                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                               |          |

| Structured Type Constraint |                                                                                                |          |
|----------------------------|------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r56(slot:SN; tsc:TSC)                                                                 |          |
| <b>Structured Type:</b>    | CHD                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                |          |
| <b>Comments:</b>           | Channel description for a hopping channel in cell A for IMMEDIATE ASSIGNMENT of TC_26_6_13_10. |          |
| Element Name               | Element Value                                                                                  | Comments |
| iei                        | OMIT                                                                                           |          |
| cht_schn                   | TSPX_Chtp14                                                                                    |          |
| tn                         | slot                                                                                           |          |
| tsc                        | tsc                                                                                            |          |
| hch                        | '1'B                                                                                           |          |
| maio                       | TSPX_Maio30                                                                                    |          |
| hsn                        | TSPX_Hsn30                                                                                     |          |
| spr                        | OMIT                                                                                           |          |
| arfcn                      | OMIT                                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                                |          |

| Structured Type Constraint |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r57                                                          |          |
| <b>Structured Type:</b>    | CHD                                                                   |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | Channel description for a SDCCH8 hopping channel used in TC_26_6_6_1. |          |
| Element Name               | Element Value                                                         | Comments |
| iei                        | OMIT                                                                  |          |
| cht_schn                   | INT_TO_BIT((8 +<br>BIT_TO_INT(TSPX_SDCCH8SubA)), 5)                   |          |
| tn                         | TSPX_TmSltA                                                           |          |
| tsc                        | TSPX_TscA                                                             |          |
| hch                        | '1'B                                                                  |          |
| maio                       | '001001'B                                                             |          |
| hsn                        | '000000'B                                                             |          |
| spr                        | OMIT                                                                  |          |
| arfcn                      | OMIT                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| Structured Type Constraint |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r58                                                          |          |
| <b>Structured Type:</b>    | CHD                                                                   |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | Channel description for a SDCCH8 hopping channel used in TC_26_6_6_1. |          |
| Element Name               | Element Value                                                         | Comments |
| iei                        | OMIT                                                                  |          |
| cht_schn                   | INT_TO_BIT((8 +<br>BIT_TO_INT(TSPX_SDCCH8SubB)), 5)                   |          |
| tn                         | TSPX_TmSltB                                                           |          |
| tsc                        | TSPX_TscB                                                             |          |
| hch                        | '1'B                                                                  |          |
| maio                       | '000100'B                                                             |          |
| hsn                        | '000000'B                                                             |          |
| spr                        | OMIT                                                                  |          |
| arfcn                      | OMIT                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| Structured Type Constraint |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r59                                                          |          |
| <b>Structured Type:</b>    | CHD                                                                   |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | Channel description for a SDCCH8 hopping channel used in TC_26_6_6_1. |          |
| Element Name               | Element Value                                                         | Comments |
| iei                        | OMIT                                                                  |          |
| cht_schn                   | INT_TO_BIT((8 +<br>BIT_TO_INT(TSPX_SDCCH8SubC)), 5)                   |          |
| tn                         | TSPX_TmSltC                                                           |          |
| tsc                        | TSPX_TscC                                                             |          |
| hch                        | '1'B                                                                  |          |
| maio                       | '000010'B                                                             |          |
| hsn                        | '000000'B                                                             |          |
| spr                        | OMIT                                                                  |          |
| arfcn                      | OMIT                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| Structured Type Constraint |                                                                          |          |
|----------------------------|--------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r60                                                             |          |
| <b>Structured Type:</b>    | CHD                                                                      |          |
| <b>Derivation Path:</b>    |                                                                          |          |
| <b>Comments:</b>           | Channel description for a full rate hopping channel used in TC_26_6_6_1. |          |
| Element Name               | Element Value                                                            | Comments |
| iei                        | OMIT                                                                     |          |
| cht_schn                   | '00001'B                                                                 |          |
| tn                         | TSPX_TmSlitD                                                             |          |
| tsc                        | TSPX_TscD                                                                |          |
| hch                        | '1'B                                                                     |          |
| maio                       | '000110'B                                                                |          |
| hsn                        | '000000'B                                                                |          |
| spr                        | OMIT                                                                     |          |
| arfcn                      | OMIT                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                          |          |

| Structured Type Constraint |                                                                          |          |
|----------------------------|--------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r61                                                             |          |
| <b>Structured Type:</b>    | CHD                                                                      |          |
| <b>Derivation Path:</b>    |                                                                          |          |
| <b>Comments:</b>           | Channel description for a full rate hopping channel used in TC_26_6_6_1. |          |
| Element Name               | Element Value                                                            | Comments |
| iei                        | OMIT                                                                     |          |
| cht_schn                   | '00001'B                                                                 |          |
| tn                         | TSPX_TmSlitE                                                             |          |
| tsc                        | TSPX_TscE                                                                |          |
| hch                        | '1'B                                                                     |          |
| maio                       | '000101'B                                                                |          |
| hsn                        | '000000'B                                                                |          |
| spr                        | OMIT                                                                     |          |
| arfcn                      | OMIT                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                          |          |

| Structured Type Constraint |                                                                          |          |
|----------------------------|--------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r62                                                             |          |
| <b>Structured Type:</b>    | CHD                                                                      |          |
| <b>Derivation Path:</b>    |                                                                          |          |
| <b>Comments:</b>           | Channel description for a full rate hopping channel used in TC_26_6_6_1. |          |
| Element Name               | Element Value                                                            | Comments |
| iei                        | OMIT                                                                     |          |
| cht_schn                   | '00001'B                                                                 |          |
| tn                         | TSPX_TmSlitF                                                             |          |
| tsc                        | TSPX_TscF                                                                |          |
| hch                        | '1'B                                                                     |          |
| maio                       | '001000'B                                                                |          |
| hsn                        | '000000'B                                                                |          |
| spr                        | OMIT                                                                     |          |
| arfcn                      | OMIT                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                          |          |

| Structured Type Constraint |                                                                          |          |
|----------------------------|--------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r63                                                             |          |
| <b>Structured Type:</b>    | CHD                                                                      |          |
| <b>Derivation Path:</b>    |                                                                          |          |
| <b>Comments:</b>           | Channel description for a half rate hopping channel used in TC_26_6_6_1. |          |
| Element Name               | Element Value                                                            | Comments |
| iei                        | OMIT                                                                     |          |
| cht_schn                   | INT_TO_BIT((2 +<br>BIT_TO_INT(TSPX_TCHHSubA)), 5)                        |          |
| tn                         | TSPX_TmSlitG                                                             |          |
| tsc                        | TSPX_TscG                                                                |          |
| hch                        | '1'B                                                                     |          |
| maio                       | '000011'B                                                                |          |
| hsn                        | '000000'B                                                                |          |
| spr                        | OMIT                                                                     |          |
| arfcn                      | OMIT                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                          |          |

| Structured Type Constraint |                                                                          |          |
|----------------------------|--------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r64                                                             |          |
| <b>Structured Type:</b>    | CHD                                                                      |          |
| <b>Derivation Path:</b>    |                                                                          |          |
| <b>Comments:</b>           | Channel description for a half rate hopping channel used in TC_26_6_6_1. |          |
| Element Name               | Element Value                                                            | Comments |
| iei                        | OMIT                                                                     |          |
| cht_schn                   | INT_TO_BIT((2 +<br>BIT_TO_INT(TSPX_TCHHSubA)), 5)                        |          |
| tn                         | TSPX_TmSlitA                                                             |          |
| tsc                        | TSPX_TscA                                                                |          |
| hch                        | '1'B                                                                     |          |
| maio                       | '000111'B                                                                |          |
| hsn                        | '000000'B                                                                |          |
| spr                        | OMIT                                                                     |          |
| arfcn                      | OMIT                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                          |          |

| Structured Type Constraint |                                                                          |          |
|----------------------------|--------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_r65                                                             |          |
| <b>Structured Type:</b>    | CHD                                                                      |          |
| <b>Derivation Path:</b>    |                                                                          |          |
| <b>Comments:</b>           | Channel description for a half rate hopping channel used in TC_26_6_6_1. |          |
| Element Name               | Element Value                                                            | Comments |
| iei                        | OMIT                                                                     |          |
| cht_schn                   | INT_TO_BIT((2 +<br>BIT_TO_INT(TSPX_TCHHSubDef)), 5)                      |          |
| tn                         | TSPX_TmSlitDef                                                           |          |
| tsc                        | TSPX_TscDef                                                              |          |
| hch                        | '1'B                                                                     |          |
| maio                       | '000001'B                                                                |          |
| hsn                        | '000000'B                                                                |          |
| spr                        | OMIT                                                                     |          |
| arfcn                      | OMIT                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                          |          |



| Structured Type Constraint |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_sdcch8(slot:SN; tsc:TSC; subch:BITSTRING; arfcn:INTEGER) |          |
| <b>Structured Type:</b>    | CHD                                                               |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | Channel description for SDCCH8 in cell A for RR test.             |          |
| Element Name               | Element Value                                                     | Comments |
| iei                        | OMIT                                                              |          |
| cht_schn                   | INT_TO_BIT((8 + BIT_TO_INT(subch)), 5)                            |          |
| tn                         | slot                                                              |          |
| tsc                        | tsc                                                               |          |
| hch                        | '0'B                                                              |          |
| maio                       | OMIT                                                              |          |
| hsn                        | OMIT                                                              |          |
| spr                        | '00'B                                                             |          |
| arfcn                      | INT_TO_BIT(arfcn, 10)                                             |          |
| <b>Detailed Comments:</b>  | Used in TC_26_6_4_1 only                                          |          |

| Structured Type Constraint |                                                      |          |
|----------------------------|------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_fh(slot:SN; tsc:TSC; maio,hsn:INTEGER)      |          |
| <b>Structured Type:</b>    | CHD                                                  |          |
| <b>Derivation Path:</b>    |                                                      |          |
| <b>Comments:</b>           | Channel description for TCH/F in cell A for RR test. |          |
| Element Name               | Element Value                                        | Comments |
| iei                        | OMIT                                                 |          |
| cht_schn                   | '00001'B                                             |          |
| tn                         | slot                                                 |          |
| tsc                        | tsc                                                  |          |
| hch                        | '1'B                                                 |          |
| maio                       | INT_TO_BIT(maio, 6)                                  |          |
| hsn                        | INT_TO_BIT(hsn, 6)                                   |          |
| spr                        | OMIT                                                 |          |
| arfcn                      | OMIT                                                 |          |
| <b>Detailed Comments:</b>  | Used in TC_26_6_4_1 only                             |          |

| Structured Type Constraint |                                                      |          |
|----------------------------|------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_nfh(slot:SN; tsc:TSC; arfcn:INTEGER)        |          |
| <b>Structured Type:</b>    | CHD                                                  |          |
| <b>Derivation Path:</b>    |                                                      |          |
| <b>Comments:</b>           | Channel description for TCH/F in cell A for RR test. |          |
| Element Name               | Element Value                                        | Comments |
| iei                        | OMIT                                                 |          |
| cht_schn                   | '00001'B                                             |          |
| tn                         | slot                                                 |          |
| tsc                        | tsc                                                  |          |
| hch                        | '0'B                                                 |          |
| maio                       | OMIT                                                 |          |
| hsn                        | OMIT                                                 |          |
| spr                        | OMIT                                                 |          |
| arfcn                      | INT_TO_BIT(arfcn, 10)                                |          |
| <b>Detailed Comments:</b>  | Used in TC_26_6_4_1 only                             |          |

| Structured Type Constraint |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_tchh_fh(subch:BITSTRING; slot:SN; tsc:TSC; maio,hsn:INTEGER) |          |
| <b>Structured Type:</b>    | CHD                                                                   |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | Channel description for TCH/H in cell A for RR test.                  |          |
| Element Name               | Element Value                                                         | Comments |
| iei                        | OMIT                                                                  |          |
| cht_schn                   | INT_TO_BIT((2 + BIT_TO_INT(subch)), 5)                                |          |
| tn                         | slot                                                                  |          |
| tsc                        | tsc                                                                   |          |
| hch                        | '1'B                                                                  |          |
| maio                       | INT_TO_BIT(maio, 6)                                                   |          |
| hsn                        | INT_TO_BIT(hsn, 6)                                                    |          |
| spr                        | OMIT                                                                  |          |
| arfcn                      | OMIT                                                                  |          |
| <b>Detailed Comments:</b>  | Used in TC_26_6_4_1 only                                              |          |

| Structured Type Constraint |                                                                     |          |
|----------------------------|---------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChDescrp_tchh_nfh(subch:BITSTRING; slot:SN; tsc:TSC; arfcn:INTEGER) |          |
| <b>Structured Type:</b>    | CHD                                                                 |          |
| <b>Derivation Path:</b>    |                                                                     |          |
| <b>Comments:</b>           | Channel description for TCH/F in cell A for RR test.                |          |
| Element Name               | Element Value                                                       | Comments |
| iei                        | OMIT                                                                |          |
| cht_schn                   | INT_TO_BIT((2 + BIT_TO_INT(subch)), 5)                              |          |
| tn                         | slot                                                                |          |
| tsc                        | tsc                                                                 |          |
| hch                        | '0'B                                                                |          |
| maio                       | OMIT                                                                |          |
| hsn                        | OMIT                                                                |          |
| spr                        | OMIT                                                                |          |
| arfcn                      | INT_TO_BIT(arfcn, 10)                                               |          |
| <b>Detailed Comments:</b>  | Used in TC_26_6_4_1 only                                            |          |

| Structured Type Constraint |                             |          |
|----------------------------|-----------------------------|----------|
| <b>Constraint Name:</b>    | ChMod_r01                   |          |
| <b>Structured Type:</b>    | CHMOD                       |          |
| <b>Derivation Path:</b>    |                             |          |
| <b>Comments:</b>           | for TC_26_6_13_1 after time |          |
| Element Name               | Element Value               | Comments |
| iei                        | '01100011'B                 |          |
| mode                       | TSPX_ChMod1                 |          |
| <b>Detailed Comments:</b>  |                             |          |

| Structured Type Constraint |                             |          |
|----------------------------|-----------------------------|----------|
| <b>Constraint Name:</b>    | ChMod_r02                   |          |
| <b>Structured Type:</b>    | CHMOD                       |          |
| <b>Derivation Path:</b>    |                             |          |
| <b>Comments:</b>           | for TC_26_6_13_2 after time |          |
| Element Name               | Element Value               | Comments |
| iei                        | '01100011'B                 |          |
| mode                       | TSPX_ChMod2                 |          |
| <b>Detailed Comments:</b>  |                             |          |

| Structured Type Constraint |                  |          |
|----------------------------|------------------|----------|
| <b>Constraint Name:</b>    | ChMod_r03        |          |
| <b>Structured Type:</b>    | CHMOD            |          |
| <b>Derivation Path:</b>    | ChMod_r01.       |          |
| <b>Comments:</b>           | for TC_26_6_13_5 |          |
| Element Name               | Element Value    | Comments |
| mode                       | TSPX_ChMod4      |          |
| <b>Detailed Comments:</b>  |                  |          |

| Structured Type Constraint |                  |          |
|----------------------------|------------------|----------|
| <b>Constraint Name:</b>    | ChMod_r04        |          |
| <b>Structured Type:</b>    | CHMOD            |          |
| <b>Derivation Path:</b>    | ChMod_r01.       |          |
| <b>Comments:</b>           | for TC_26_6_13_6 |          |
| Element Name               | Element Value    | Comments |
| mode                       | TSPX_ChMod5      |          |
| <b>Detailed Comments:</b>  |                  |          |

| Structured Type Constraint |                  |          |
|----------------------------|------------------|----------|
| <b>Constraint Name:</b>    | ChMod_r05        |          |
| <b>Structured Type:</b>    | CHMOD            |          |
| <b>Derivation Path:</b>    | ChMod_r01.       |          |
| <b>Comments:</b>           | for TC_26_6_13_7 |          |
| Element Name               | Element Value    | Comments |
| mode                       | TSPX_ChMod6      |          |
| <b>Detailed Comments:</b>  |                  |          |

| Structured Type Constraint |                  |          |
|----------------------------|------------------|----------|
| <b>Constraint Name:</b>    | ChMod_r06        |          |
| <b>Structured Type:</b>    | CHMOD            |          |
| <b>Derivation Path:</b>    | ChMod_r01.       |          |
| <b>Comments:</b>           | for TC_26_6_13_8 |          |
| Element Name               | Element Value    | Comments |
| mode                       | TSPX_ChMod7      |          |
| <b>Detailed Comments:</b>  |                  |          |

| Structured Type Constraint |                 |          |
|----------------------------|-----------------|----------|
| <b>Constraint Name:</b>    | ChMod_sign      |          |
| <b>Structured Type:</b>    | CHMOD           |          |
| <b>Derivation Path:</b>    |                 |          |
| <b>Comments:</b>           | signalling only |          |
| Element Name               | Element Value   | Comments |
| iei                        | OMIT            |          |
| mode                       | C_ChMod_s       |          |
| <b>Detailed Comments:</b>  |                 |          |

| Structured Type Constraint |                 |          |
|----------------------------|-----------------|----------|
| <b>Constraint Name:</b>    | ChMod_sign_iei  |          |
| <b>Structured Type:</b>    | CHMOD           |          |
| <b>Derivation Path:</b>    |                 |          |
| <b>Comments:</b>           | signalling only |          |
| Element Name               | Element Value   | Comments |
| iei                        | '01100011'B     |          |
| mode                       | C_ChMod_s       |          |
| <b>Detailed Comments:</b>  |                 |          |

| Structured Type Constraint |                           |          |
|----------------------------|---------------------------|----------|
| <b>Constraint Name:</b>    | ChMod_speech              |          |
| <b>Structured Type:</b>    | CHMOD                     |          |
| <b>Derivation Path:</b>    | ChMod_sign.               |          |
| <b>Comments:</b>           | speech full or half rate. |          |
| Element Name               | Element Value             | Comments |
| mode                       | C_ChMod_r                 |          |
| <b>Detailed Comments:</b>  |                           |          |

| Structured Type Constraint |                           |          |
|----------------------------|---------------------------|----------|
| <b>Constraint Name:</b>    | ChMod_speech_iei          |          |
| <b>Structured Type:</b>    | CHMOD                     |          |
| <b>Derivation Path:</b>    |                           |          |
| <b>Comments:</b>           | speech full or half rate. |          |
| Element Name               | Element Value             | Comments |
| iei                        | '01100011'B               |          |
| mode                       | C_ChMod_r                 |          |
| <b>Detailed Comments:</b>  |                           |          |

| Structured Type Constraint |                                                     |          |
|----------------------------|-----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChMod_12k                                           |          |
| <b>Structured Type:</b>    | CHMOD                                               |          |
| <b>Derivation Path:</b>    | ChMod_sign.                                         |          |
| <b>Comments:</b>           | data 9.6 kb/s full rate, ( 12.0 kb/s air interface) |          |
| Element Name               | Element Value                                       | Comments |
| mode                       | C_ChMod_12k                                         |          |
| <b>Detailed Comments:</b>  |                                                     |          |

| Structured Type Constraint |                                                   |          |
|----------------------------|---------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChMod_6k                                          |          |
| <b>Structured Type:</b>    | CHMOD                                             |          |
| <b>Derivation Path:</b>    | ChMod_sign.                                       |          |
| <b>Comments:</b>           | data 4.8 kb/s full rate, (6.0 kb/s air interface) |          |
| Element Name               | Element Value                                     | Comments |
| mode                       | C_ChMod_6k                                        |          |
| <b>Detailed Comments:</b>  |                                                   |          |

| Structured Type Constraint |                                                   |          |
|----------------------------|---------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChMod_3k                                          |          |
| <b>Structured Type:</b>    | CHMOD                                             |          |
| <b>Derivation Path:</b>    | ChMod_sign.                                       |          |
| <b>Comments:</b>           | data 2.4 kb/s full rate, (3.6 kb/s air interface) |          |
| Element Name               | Element Value                                     | Comments |
| mode                       | C_ChMod_3k                                        |          |
| <b>Detailed Comments:</b>  |                                                   |          |

| Structured Type Constraint |                                       |          |
|----------------------------|---------------------------------------|----------|
| <b>Constraint Name:</b>    | ChMod_rcv                             |          |
| <b>Structured Type:</b>    | CHMOD                                 |          |
| <b>Derivation Path:</b>    | ChMod_sign.                           |          |
| <b>Comments:</b>           | used only in the OM_ChConf operation, |          |
| Element Name               | Element Value                         | Comments |
| mode                       | '11111111'B                           |          |
| <b>Detailed Comments:</b>  |                                       |          |

| Structured Type Constraint |                      |          |
|----------------------------|----------------------|----------|
| <b>Constraint Name:</b>    | ChMod_mand(chmd:B_8) |          |
| <b>Structured Type:</b>    | CHMOD                |          |
| <b>Derivation Path:</b>    |                      |          |
| <b>Comments:</b>           | parametrised mode.   |          |
| Element Name               | Element Value        | Comments |
| iei                        | OMIT                 |          |
| mode                       | chmd                 |          |
| <b>Detailed Comments:</b>  |                      |          |

| Structured Type Constraint |                    |          |
|----------------------------|--------------------|----------|
| <b>Constraint Name:</b>    | ChMod_omit         |          |
| <b>Structured Type:</b>    | CHMOD              |          |
| <b>Derivation Path:</b>    |                    |          |
| <b>Comments:</b>           | parametrised mode. |          |
| Element Name               | Element Value      | Comments |
| iei                        | OMIT               |          |
| mode                       | OMIT               |          |
| <b>Detailed Comments:</b>  |                    |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | Chneed_01     |          |
| <b>Structured Type:</b>    | CHNEED        |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           | any channel   |          |
| Element Name               | Element Value | Comments |
| ch2                        | '00'B         |          |
| ch1                        | '00'B         |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                       |          |
|----------------------------|-----------------------|----------|
| <b>Constraint Name:</b>    | Chneed_02             |          |
| <b>Structured Type:</b>    | CHNEED                |          |
| <b>Derivation Path:</b>    |                       |          |
| <b>Comments:</b>           | SDCCH channel needed. |          |
| Element Name               | Element Value         | Comments |
| ch2                        | '00'B                 |          |
| ch1                        | '01'B                 |          |
| <b>Detailed Comments:</b>  |                       |          |

| Structured Type Constraint |                       |          |
|----------------------------|-----------------------|----------|
| <b>Constraint Name:</b>    | Chneed_03             |          |
| <b>Structured Type:</b>    | CHNEED                |          |
| <b>Derivation Path:</b>    |                       |          |
| <b>Comments:</b>           | TCH/F channel needed. |          |
| Element Name               | Element Value         | Comments |
| ch2                        | '00'B                 |          |
| ch1                        | '10'B                 |          |
| <b>Detailed Comments:</b>  |                       |          |

| Structured Type Constraint |                           |          |
|----------------------------|---------------------------|----------|
| <b>Constraint Name:</b>    | Chneed_04                 |          |
| <b>Structured Type:</b>    | CHNEED                    |          |
| <b>Derivation Path:</b>    |                           |          |
| <b>Comments:</b>           | Dual rate channel needed. |          |
| Element Name               | Element Value             | Comments |
| ch2                        | '00'B                     |          |
| ch1                        | '11'B                     |          |
| <b>Detailed Comments:</b>  |                           |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | CiphRes_01    |          |
| <b>Structured Type:</b>    | CPH_RES       |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | OMIT          |          |
| sprb                       | '000'B        |          |
| cr                         | '0'B          |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | CiphRes_02    |          |
| <b>Structured Type:</b>    | CPH_RES       |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | OMIT          |          |
| sprb                       | '000'B        |          |
| cr                         | '1'B          |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CntrlChDscrp_inv                                                                            |          |
| <b>Structured Type:</b>    | CCD                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                             |          |
| <b>Comments:</b>           | One CCCH combined with SDCCH and attach/detach not allowed. Some spare bits are set to '1'B |          |
| Element Name               | Element Value                                                                               | Comments |
| spr1                       | '1'B                                                                                        |          |
| att                        | '0'B                                                                                        |          |
| babr                       | '000'B                                                                                      |          |
| ccch_con                   | '001'B                                                                                      |          |
| spr2                       | '01100'B                                                                                    |          |
| bpm                        | '011'B                                                                                      |          |
| t3212                      | '00'O                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CntrlChDscrp(att: INTEGER; babr, cch_con, bpm:B_3; timer:OCTETSTRING) |          |
| <b>Structured Type:</b>    | CCD                                                                   |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | Generic Control channel descriptor.                                   |          |
| Element Name               | Element Value                                                         | Comments |
| spr1                       | '0'B                                                                  |          |
| att                        | INT_TO_BIT(att,1)                                                     |          |
| babr                       | babr                                                                  |          |
| ccch_con                   | cch_con                                                               |          |
| spr2                       | '00000'B                                                              |          |
| bpm                        | bpm                                                                   |          |
| t3212                      | timer                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | CphKeySN_01   |          |
| <b>Structured Type:</b>    | CPHKS         |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| sprb                       | '0'B          |          |
| ks                         | TSPX_CKSNDf   |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                                                                            |          |
|----------------------------|----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CphKeySN_02                                                                |          |
| <b>Structured Type:</b>    | CPHKS                                                                      |          |
| <b>Derivation Path:</b>    |                                                                            |          |
| <b>Comments:</b>           | An invalid ciphering key sequence number containing spare bit set to '1'B. |          |
| Element Name               | Element Value                                                              | Comments |
| sprb                       | '1'B                                                                       |          |
| ks                         | '000'B                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                            |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | CphKeySN_03   |          |
| <b>Structured Type:</b>    | CPHKSN        |          |
| <b>Derivation Path:</b>    | CphKeySN_01.  |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| ks                         | TSPX_CKSNB    |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CphKeySN_04                                                           |          |
| <b>Structured Type:</b>    | CPHKSN                                                                |          |
| <b>Derivation Path:</b>    | CphKeySN_01.                                                          |          |
| <b>Comments:</b>           | CKSN is different from default value and the value in the CphKeySN_03 |          |
| Element Name               | Element Value                                                         | Comments |
| ks                         | TSPX_CKSNC                                                            |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| Structured Type Constraint |                                                |          |
|----------------------------|------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CphKeySN_05                                    |          |
| <b>Structured Type:</b>    | CPHKSN                                         |          |
| <b>Derivation Path:</b>    |                                                |          |
| <b>Comments:</b>           | ciphering key sequence number from TSPX_CKSNA. |          |
| Element Name               | Element Value                                  | Comments |
| sprb                       | '0'B                                           |          |
| ks                         | TSPX_CKSNA                                     |          |
| <b>Detailed Comments:</b>  |                                                |          |

| Structured Type Constraint |                                       |          |
|----------------------------|---------------------------------------|----------|
| <b>Constraint Name:</b>    | CphKeySN_06                           |          |
| <b>Structured Type:</b>    | CPHKSN                                |          |
| <b>Derivation Path:</b>    |                                       |          |
| <b>Comments:</b>           | ciphering key sequence number no key. |          |
| Element Name               | Element Value                         | Comments |
| sprb                       | '0'B                                  |          |
| ks                         | '111'B                                |          |
| <b>Detailed Comments:</b>  |                                       |          |

| Structured Type Constraint |                             |          |
|----------------------------|-----------------------------|----------|
| <b>Constraint Name:</b>    | CphKeySN_07(par: BITSTRING) |          |
| <b>Structured Type:</b>    | CPHKSN                      |          |
| <b>Derivation Path:</b>    |                             |          |
| <b>Comments:</b>           |                             |          |
| Element Name               | Element Value               | Comments |
| sprb                       | '0'B                        |          |
| ks                         | par                         |          |
| <b>Detailed Comments:</b>  |                             |          |



| Structured Type Constraint |                |          |
|----------------------------|----------------|----------|
| <b>Constraint Name:</b>    | CphMod_01      |          |
| <b>Structured Type:</b>    | CPHMS          |          |
| <b>Derivation Path:</b>    |                |          |
| <b>Comments:</b>           |                |          |
| Element Name               | Element Value  | Comments |
| iei                        | OMIT           |          |
| algid                      | TSPX_CphAlgDef |          |
| sc                         | '1'B           |          |
| <b>Detailed Comments:</b>  |                |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | CphMod_02     |          |
| <b>Structured Type:</b>    | CPHMS         |          |
| <b>Derivation Path:</b>    | CphMod_01.    |          |
| <b>Comments:</b>           | No ciphering  |          |
| Element Name               | Element Value | Comments |
| sc                         | '0'B          |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                |          |
|----------------------------|----------------|----------|
| <b>Constraint Name:</b>    | CphMod_02iei   |          |
| <b>Structured Type:</b>    | CPHMS          |          |
| <b>Derivation Path:</b>    |                |          |
| <b>Comments:</b>           | No ciphering   |          |
| Element Name               | Element Value  | Comments |
| iei                        | '1001'B        |          |
| algid                      | TSPX_CphAlgDef |          |
| sc                         | '0'B           |          |
| <b>Detailed Comments:</b>  |                |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | CphMod_03     |          |
| <b>Structured Type:</b>    | CPHMS         |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | OMIT          |          |
| algid                      | '000'B        |          |
| sc                         | '1'B          |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                                                        |          |
|----------------------------|--------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CphMod_04(alg:BITSTRING)                               |          |
| <b>Structured Type:</b>    | CPHMS                                                  |          |
| <b>Derivation Path:</b>    |                                                        |          |
| <b>Comments:</b>           | starting ciphering with the ciphering algorithm `alg`. |          |
| Element Name               | Element Value                                          | Comments |
| iei                        | OMIT                                                   |          |
| algid                      | alg                                                    |          |
| sc                         | '1'B                                                   |          |
| <b>Detailed Comments:</b>  |                                                        |          |

| Structured Type Constraint |                                                        |          |
|----------------------------|--------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CphMod_04iei(alg:BITSTRING)                            |          |
| <b>Structured Type:</b>    | CPHMS                                                  |          |
| <b>Derivation Path:</b>    |                                                        |          |
| <b>Comments:</b>           | starting ciphering with the ciphering algorithm `alg`. |          |
| Element Name               | Element Value                                          | Comments |
| iei                        | '1001'B                                                |          |
| algid                      | alg                                                    |          |
| sc                         | '1'B                                                   |          |
| <b>Detailed Comments:</b>  |                                                        |          |

| Structured Type Constraint |                |          |
|----------------------------|----------------|----------|
| <b>Constraint Name:</b>    | facilityIE_01  |          |
| <b>Structured Type:</b>    | FIE            |          |
| <b>Derivation Path:</b>    |                |          |
| <b>Comments:</b>           | no SSoperation |          |
| Element Name               | Element Value  | Comments |
| iei                        | '00011100'B    |          |
| iel                        | '00'O          |          |
| components_1               | OMIT           |          |
| components_t               | OMIT           |          |
| <b>Detailed Comments:</b>  |                |          |

| Structured Type Constraint |                           |          |
|----------------------------|---------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_02             |          |
| <b>Structured Type:</b>    | FIE                       |          |
| <b>Derivation Path:</b>    |                           |          |
| <b>Comments:</b>           | CFNRy                     |          |
| Element Name               | Element Value             | Comments |
| iei                        | '00011100'B               |          |
| iel                        | ?                         |          |
| components_1               | SUPERSET({RegisterSS_01}) |          |
| components_t               | OMIT                      |          |
| <b>Detailed Comments:</b>  |                           |          |

| Structured Type Constraint |                                     |          |
|----------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_03( Invkid :OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                 |          |
| <b>Derivation Path:</b>    |                                     |          |
| <b>Comments:</b>           |                                     |          |
| Element Name               | Element Value                       | Comments |
| iei                        | '00011100'B                         |          |
| iel                        | '22'O                               |          |
| components_1               | OMIT                                |          |
| components_t               | RegisterSSRslt_01(Invkid)           |          |
| <b>Detailed Comments:</b>  |                                     |          |

| Structured Type Constraint |                           |          |
|----------------------------|---------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_04             |          |
| <b>Structured Type:</b>    | FIE                       |          |
| <b>Derivation Path:</b>    |                           |          |
| <b>Comments:</b>           | CFU                       |          |
| Element Name               | Element Value             | Comments |
| iei                        | '00011100'B               |          |
| iel                        | ?                         |          |
| components_1               | SUPERSET({RegisterSS_02}) |          |
| components_t               | OMIT                      |          |
| <b>Detailed Comments:</b>  |                           |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_05( Trscid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '29'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | RegisterSSRslt_02(Trscid)          |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                                         |          |
|----------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_06                           |          |
| <b>Structured Type:</b>    | FIE                                     |          |
| <b>Derivation Path:</b>    |                                         |          |
| <b>Comments:</b>           | facility IE containing AOCC information |          |
| Element Name               | Element Value                           | Comments |
| iei                        | '00011100'B                             |          |
| iel                        | OC_LengthOfComp1(FwdCharg_01)           |          |
| components_1               | FwdCharg_01                             |          |
| components_t               | OMIT                                    |          |
| <b>Detailed Comments:</b>  |                                         |          |

| Structured Type Constraint |                          |          |
|----------------------------|--------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_07            |          |
| <b>Structured Type:</b>    | FIE                      |          |
| <b>Derivation Path:</b>    |                          |          |
| <b>Comments:</b>           | build multiparty         |          |
| Element Name               | Element Value            | Comments |
| iei                        | '00011100'B              |          |
| iel                        | ?                        |          |
| components_1               | SUPERSET({BldMptySS_01}) |          |
| components_t               | OMIT                     |          |
| <b>Detailed Comments:</b>  |                          |          |

| Structured Type Constraint |                                  |          |
|----------------------------|----------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_08                    |          |
| <b>Structured Type:</b>    | FIE                              |          |
| <b>Derivation Path:</b>    |                                  |          |
| <b>Comments:</b>           | CFB for all asynchronour service |          |
| Element Name               | Element Value                    | Comments |
| iei                        | '00011100'B                      |          |
| iel                        | ?                                |          |
| components_1               | SUPERSET({RegisterSS_03})        |          |
| components_t               | OMIT                             |          |
| <b>Detailed Comments:</b>  |                                  |          |

| Structured Type Constraint |                           |          |
|----------------------------|---------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_09             |          |
| <b>Structured Type:</b>    | FIE                       |          |
| <b>Derivation Path:</b>    |                           |          |
| <b>Comments:</b>           | CF for all facsimile      |          |
| Element Name               | Element Value             | Comments |
| iei                        | '00011100'B               |          |
| iel                        | ?                         |          |
| components_1               | SUPERSET({RegisterSS_04}) |          |
| components_t               | OMIT                      |          |
| <b>Detailed Comments:</b>  |                           |          |

| Structured Type Constraint |                                                     |          |
|----------------------------|-----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_10                                       |          |
| <b>Structured Type:</b>    | FIE                                                 |          |
| <b>Derivation Path:</b>    |                                                     |          |
| <b>Comments:</b>           | Erasure of call forwarding to CFC for all facsimile |          |
| Element Name               | Element Value                                       | Comments |
| iei                        | '00011100'B                                         |          |
| iel                        | ?                                                   |          |
| components_1               | SUPERSET({EraseSS_01})                              |          |
| components_t               | OMIT                                                |          |
| <b>Detailed Comments:</b>  |                                                     |          |

| Structured Type Constraint |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_11                                              |          |
| <b>Structured Type:</b>    | FIE                                                        |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | Erasure of call forwarding to CFNRc for all basic services |          |
| Element Name               | Element Value                                              | Comments |
| iei                        | '00011100'B                                                |          |
| iel                        | ?                                                          |          |
| components_1               | SUPERSET({EraseSS_02})                                     |          |
| components_t               | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| Structured Type Constraint |                                              |          |
|----------------------------|----------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_12                                |          |
| <b>Structured Type:</b>    | FIE                                          |          |
| <b>Derivation Path:</b>    |                                              |          |
| <b>Comments:</b>           | Erasure of call forwarding to CFU for speech |          |
| Element Name               | Element Value                                | Comments |
| iei                        | '00011100'B                                  |          |
| iel                        | ?                                            |          |
| components_1               | SUPERSET({EraseSS_03})                       |          |
| components_t               | OMIT                                         |          |
| <b>Detailed Comments:</b>  |                                              |          |

| Structured Type Constraint |                                                       |          |
|----------------------------|-------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_13                                         |          |
| <b>Structured Type:</b>    | FIE                                                   |          |
| <b>Derivation Path:</b>    |                                                       |          |
| <b>Comments:</b>           | Erasure of call forwarding to CFNRy for all facsimile |          |
| Element Name               | Element Value                                         | Comments |
| iei                        | '00011100'B                                           |          |
| iel                        | ?                                                     |          |
| components_1               | SUPERSET({EraseSS_04})                                |          |
| components_t               | OMIT                                                  |          |
| <b>Detailed Comments:</b>  |                                                       |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_14( Trscid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '08'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | RegisterSSErr_01(Trscid)           |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_15( Trscid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '0A'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | RegisterSSRej_01(Trscid)           |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_16( invkid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '1F'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | EraseSSRslt_01(invkid)             |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_17( invkid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '16'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | EraseSSRslt_02(invkid)             |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_18( invkid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '08'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | EraseSSErr_01(invkid)              |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_19( invkid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '0A'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | EraseSSRej_01(invkid)              |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                                                                  |          |
|----------------------------|------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_20                                                    |          |
| <b>Structured Type:</b>    | FIE                                                              |          |
| <b>Derivation Path:</b>    |                                                                  |          |
| <b>Comments:</b>           | Activation of call forwarding to CF for all synchronous services |          |
| Element Name               | Element Value                                                    | Comments |
| iei                        | '00011100'B                                                      |          |
| iel                        | ?                                                                |          |
| components_1               | SUPERSET({ActivateSS_01})                                        |          |
| components_t               | OMIT                                                             |          |
| <b>Detailed Comments:</b>  |                                                                  |          |

| Structured Type Constraint |                                                             |          |
|----------------------------|-------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_21                                               |          |
| <b>Structured Type:</b>    | FIE                                                         |          |
| <b>Derivation Path:</b>    |                                                             |          |
| <b>Comments:</b>           | Activation of call forwarding to CFU for all basic services |          |
| Element Name               | Element Value                                               | Comments |
| iei                        | '00011100'B                                                 |          |
| iel                        | ?                                                           |          |
| components_1               | SUPERSET({ActivateSS_02})                                   |          |
| components_t               | OMIT                                                        |          |
| <b>Detailed Comments:</b>  |                                                             |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_22( invkid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '1D'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | ActivateSSRslt_01(invkid)          |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_23( invkid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '1A'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | ActivateSSRslt_02(invkid)          |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                                                   |          |
|----------------------------|---------------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_24                                     |          |
| <b>Structured Type:</b>    | FIE                                               |          |
| <b>Derivation Path:</b>    |                                                   |          |
| <b>Comments:</b>           | Deactivation of call forwarding to CFC for speech |          |
| Element Name               | Element Value                                     | Comments |
| iei                        | '00011100'B                                       |          |
| iel                        | ?                                                 |          |
| components_1               | SUPERSET({DeactivateSS_01})                       |          |
| components_t               | OMIT                                              |          |
| <b>Detailed Comments:</b>  |                                                   |          |

| Structured Type Constraint |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_25                                              |          |
| <b>Structured Type:</b>    | FIE                                                        |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | Deactivation of call forwarding to CFNRc for all facsimile |          |
| Element Name               | Element Value                                              | Comments |
| iei                        | '00011100'B                                                |          |
| iel                        | ?                                                          |          |
| components_1               | SUPERSET({DeactivateSS_02})                                |          |
| components_t               | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_26( invkid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '1D'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | DeactivateSSRslt_01(invkid)        |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_27( invkid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '1B'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | DeactivateSSRslt_02(invkid)        |          |
| <b>Detailed Comments:</b>  |                                    |          |



| Structured Type Constraint |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_28                                                  |          |
| <b>Structured Type:</b>    | FIE                                                            |          |
| <b>Derivation Path:</b>    |                                                                |          |
| <b>Comments:</b>           | Interrogation of call forwarding to CFB for all basic services |          |
| Element Name               | Element Value                                                  | Comments |
| iei                        | '00011100'B                                                    |          |
| iel                        | ?                                                              |          |
| components_1               | SUPERSET({InterrogateSS_01})                                   |          |
| components_t               | OMIT                                                           |          |
| <b>Detailed Comments:</b>  |                                                                |          |

| Structured Type Constraint |                                                         |          |
|----------------------------|---------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_29                                           |          |
| <b>Structured Type:</b>    | FIE                                                     |          |
| <b>Derivation Path:</b>    |                                                         |          |
| <b>Comments:</b>           | Interrogation of call forwarding to CFNRy for Telephony |          |
| Element Name               | Element Value                                           | Comments |
| iei                        | '00011100'B                                             |          |
| iel                        | ?                                                       |          |
| components_1               | SUPERSET({InterrogateSS_02})                            |          |
| components_t               | OMIT                                                    |          |
| <b>Detailed Comments:</b>  |                                                         |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_30( invkid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '0F'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | InterrogateSSRslt_01( invkid)      |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_31( invkid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '1A'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | InterrogateSSRslt_02( invkid)      |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                                                                  |          |
|----------------------------|------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_32                                                    |          |
| <b>Structured Type:</b>    | FIE                                                              |          |
| <b>Derivation Path:</b>    |                                                                  |          |
| <b>Comments:</b>           | Interrogation of call forwarding to CFNRc for all basic services |          |
| Element Name               | Element Value                                                    | Comments |
| iei                        | '00011100'B                                                      |          |
| iel                        | ?                                                                |          |
| components_1               | SUPERSET({InterrogateSS_03})                                     |          |
| components_t               | OMIT                                                             |          |
| <b>Detailed Comments:</b>  |                                                                  |          |

| Structured Type Constraint |                                                           |          |
|----------------------------|-----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_33                                             |          |
| <b>Structured Type:</b>    | FIE                                                       |          |
| <b>Derivation Path:</b>    |                                                           |          |
| <b>Comments:</b>           | Interrogation of call forwarding to CFB for all facsimile |          |
| Element Name               | Element Value                                             | Comments |
| iei                        | '00011100'B                                               |          |
| iel                        | ?                                                         |          |
| components_1               | SUPERSET({InterrogateSS_04})                              |          |
| components_t               | OMIT                                                      |          |
| <b>Detailed Comments:</b>  |                                                           |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_34( invkid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           | CFNRc                              |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '08'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | InterrogateSSErr_01(invkid)        |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_35( invkid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '0A'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | InterrogateSSRej_01(invkid)        |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                   |          |
|----------------------------|-------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_36     |          |
| <b>Structured Type:</b>    | FIE               |          |
| <b>Derivation Path:</b>    |                   |          |
| <b>Comments:</b>           |                   |          |
| Element Name               | Element Value     | Comments |
| iei                        | '00011100'B       |          |
| iel                        | '12'O             |          |
| components_1               | OMIT              |          |
| components_t               | NotificationSS_01 |          |
| <b>Detailed Comments:</b>  |                   |          |

| Structured Type Constraint |                   |          |
|----------------------------|-------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_37     |          |
| <b>Structured Type:</b>    | FIE               |          |
| <b>Derivation Path:</b>    |                   |          |
| <b>Comments:</b>           |                   |          |
| Element Name               | Element Value     | Comments |
| iei                        | '00011100'B       |          |
| iel                        | '12'O             |          |
| components_1               | OMIT              |          |
| components_t               | NotificationSS_02 |          |
| <b>Detailed Comments:</b>  |                   |          |

| Structured Type Constraint |                   |          |
|----------------------------|-------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_38     |          |
| <b>Structured Type:</b>    | FIE               |          |
| <b>Derivation Path:</b>    |                   |          |
| <b>Comments:</b>           |                   |          |
| Element Name               | Element Value     | Comments |
| iei                        | '00011100'B       |          |
| iel                        | '12'O             |          |
| components_1               | OMIT              |          |
| components_t               | NotificationSS_03 |          |
| <b>Detailed Comments:</b>  |                   |          |

| Structured Type Constraint |                   |          |
|----------------------------|-------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_39     |          |
| <b>Structured Type:</b>    | FIE               |          |
| <b>Derivation Path:</b>    |                   |          |
| <b>Comments:</b>           |                   |          |
| Element Name               | Element Value     | Comments |
| iei                        | '00011100'B       |          |
| iel                        | '12'O             |          |
| components_1               | OMIT              |          |
| components_t               | NotificationSS_04 |          |
| <b>Detailed Comments:</b>  |                   |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | facilityIE_40 |          |
| <b>Structured Type:</b>    | FIE           |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '00011100'B   |          |
| iel                        | '2D'O         |          |
| components_1               | OMIT          |          |
| components_t               | FwdChAdvSS_01 |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | facilityIE_41 |          |
| <b>Structured Type:</b>    | FIE           |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '00011100'B   |          |
| iel                        | '2D'O         |          |
| components_1               | OMIT          |          |
| components_t               | FwdChAdvSS_02 |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | facilityIE_42 |          |
| <b>Structured Type:</b>    | FIE           |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '00011100'B   |          |
| iel                        | '2D'O         |          |
| components_1               | OMIT          |          |
| components_t               | FwdChAdvSS_03 |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | facilityIE_43 |          |
| <b>Structured Type:</b>    | FIE           |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '00011100'B   |          |
| iel                        | '2D'O         |          |
| components_1               | OMIT          |          |
| components_t               | FwdChAdvSS_04 |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | facilityIE_44 |          |
| <b>Structured Type:</b>    | FIE           |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '00011100'B   |          |
| iel                        | '2D'O         |          |
| components_1               | OMIT          |          |
| components_t               | FwdChAdvSS_05 |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                                      |          |
|----------------------------|--------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_45                        |          |
| <b>Structured Type:</b>    | FIE                                  |          |
| <b>Derivation Path:</b>    |                                      |          |
| <b>Comments:</b>           | ReturnResult for ForwardChargeAdvice |          |
| Element Name               | Element Value                        | Comments |
| iei                        | '00011100'B                          |          |
| iel                        | ?                                    |          |
| components_1               | SUPERSET({FwdChAdvRslt_01})          |          |
| components_t               | OMIT                                 |          |
| <b>Detailed Comments:</b>  |                                      |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | facilityIE_46 |          |
| <b>Structured Type:</b>    | FIE           |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '00011100'B   |          |
| iel                        | '2D'O         |          |
| components_1               | OMIT          |          |
| components_t               | FwdChAdvSS_06 |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | facilityIE_47 |          |
| <b>Structured Type:</b>    | FIE           |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '00011100'B   |          |
| iel                        | '2D'O         |          |
| components_1               | OMIT          |          |
| components_t               | FwdChAdvSS_07 |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | facilityIE_48 |          |
| <b>Structured Type:</b>    | FIE           |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '00011100'B   |          |
| iel                        | '2D'O         |          |
| components_1               | OMIT          |          |
| components_t               | FwdChAdvSS_08 |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | facilityIE_49 |          |
| <b>Structured Type:</b>    | FIE           |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '00011100'B   |          |
| iel                        | '2D'O         |          |
| components_1               | OMIT          |          |
| components_t               | FwdChAdvSS_09 |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | facilityIE_50 |          |
| <b>Structured Type:</b>    | FIE           |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '00011100'B   |          |
| iel                        | '2D'O         |          |
| components_1               | OMIT          |          |
| components_t               | FwdChAdvSS_10 |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | facilityIE_51 |          |
| <b>Structured Type:</b>    | FIE           |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '00011100'B   |          |
| iel                        | '2D'O         |          |
| components_1               | OMIT          |          |
| components_t               | FwdChAdvSS_11 |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | facilityIE_52 |          |
| <b>Structured Type:</b>    | FIE           |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '00011100'B   |          |
| iel                        | '2D'O         |          |
| components_1               | OMIT          |          |
| components_t               | FwdChAdvSS_12 |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | facilityIE_53 |          |
| <b>Structured Type:</b>    | FIE           |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '00011100'B   |          |
| iel                        | '2D'O         |          |
| components_1               | OMIT          |          |
| components_t               | FwdChAdvSS_13 |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | facilityIE_54 |          |
| <b>Structured Type:</b>    | FIE           |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '00011100'B   |          |
| iel                        | '1D'O         |          |
| components_1               | OMIT          |          |
| components_t               | FwdChAdvSS_14 |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | facilityIE_55 |          |
| <b>Structured Type:</b>    | FIE           |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '00011100'B   |          |
| iel                        | '2D'O         |          |
| components_1               | OMIT          |          |
| components_t               | FwdChAdvSS_15 |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | facilityIE_56 |          |
| <b>Structured Type:</b>    | FIE           |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '00011100'B   |          |
| iel                        | '2D'O         |          |
| components_1               | OMIT          |          |
| components_t               | FwdChAdvSS_16 |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | facilityIE_57 |          |
| <b>Structured Type:</b>    | FIE           |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '00011100'B   |          |
| iel                        | '2D'O         |          |
| components_1               | OMIT          |          |
| components_t               | FwdChAdvSS_17 |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | facilityIE_58 |          |
| <b>Structured Type:</b>    | FIE           |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '00011100'B   |          |
| iel                        | '2D'O         |          |
| components_1               | OMIT          |          |
| components_t               | FwdChAdvSS_18 |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                                     |          |
|----------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_59( Invkid :OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                 |          |
| <b>Derivation Path:</b>    |                                     |          |
| <b>Comments:</b>           |                                     |          |
| Element Name               | Element Value                       | Comments |
| iei                        | '00011100'B                         |          |
| iel                        | '07'O                               |          |
| components_1               | OMIT                                |          |
| components_t               | BuildMptySSRslt_01(Invkid)          |          |
| <b>Detailed Comments:</b>  |                                     |          |



| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | facilityIE_60 |          |
| <b>Structured Type:</b>    | FIE           |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '00011100'B   |          |
| iel                        | '2D'O         |          |
| components_1               | OMIT          |          |
| components_t               | FwdChAdvSS_19 |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | facilityIE_61 |          |
| <b>Structured Type:</b>    | FIE           |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '00011100'B   |          |
| iel                        | '2D'O         |          |
| components_1               | OMIT          |          |
| components_t               | FwdChAdvSS_20 |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | facilityIE_62 |          |
| <b>Structured Type:</b>    | FIE           |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '00011100'B   |          |
| iel                        | '2D'O         |          |
| components_1               | OMIT          |          |
| components_t               | FwdChAdvSS_06 |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                            |          |
|----------------------------|----------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_63              |          |
| <b>Structured Type:</b>    | FIE                        |          |
| <b>Derivation Path:</b>    |                            |          |
| <b>Comments:</b>           |                            |          |
| Element Name               | Element Value              | Comments |
| iei                        | '00011100'B                |          |
| iel                        | ?                          |          |
| components_1               | SUPERSET({RegPasswdSS_01}) |          |
| components_t               | OMIT                       |          |
| <b>Detailed Comments:</b>  |                            |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_64(linkid: OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '0E'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | GetPasswdSS_01(linkid)             |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_65                |          |
| <b>Structured Type:</b>    | FIE                          |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           |                              |          |
| Element Name               | Element Value                | Comments |
| iei                        | '00011100'B                  |          |
| iel                        | '10'O                        |          |
| components_1               | SUPERSET({GetPasswdRslt_01}) |          |
| components_t               | OMIT                         |          |
| <b>Detailed Comments:</b>  |                              |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_66(linkid: OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '0E'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | GetPasswdSS_02(linkid)             |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_67(linkid: OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '0E'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | GetPasswdSS_03(linkid)             |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_68                |          |
| <b>Structured Type:</b>    | FIE                          |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           |                              |          |
| Element Name               | Element Value                | Comments |
| iei                        | '00011100'B                  |          |
| iel                        | '10'O                        |          |
| components_1               | SUPERSET({GetPasswdRslt_02}) |          |
| components_t               | OMIT                         |          |
| <b>Detailed Comments:</b>  |                              |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_69( invkid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '14'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | RegPasswdSSRslt_01(invkid)         |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_70( invkid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '08'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | RegPasswdSSErr_01(invkid)          |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_71( invkid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '0A'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | RegPasswdSSErr_02(invkid)          |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_72                |          |
| <b>Structured Type:</b>    | FIE                          |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           |                              |          |
| Element Name               | Element Value                | Comments |
| iei                        | '00011100'B                  |          |
| iel                        | ?                            |          |
| components_1               | SUPERSET({GetPasswdRslt_03}) |          |
| components_t               | OMIT                         |          |
| <b>Detailed Comments:</b>  |                              |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_73( invkid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '0B'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | RegPasswdSSErr_03(invkid)          |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                           |          |
|----------------------------|---------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_74             |          |
| <b>Structured Type:</b>    | FIE                       |          |
| <b>Derivation Path:</b>    |                           |          |
| <b>Comments:</b>           |                           |          |
| Element Name               | Element Value             | Comments |
| iei                        | '00011100'B               |          |
| iel                        | ?                         |          |
| components_1               | SUPERSET({ActivateSS_03}) |          |
| components_t               | OMIT                      |          |
| <b>Detailed Comments:</b>  |                           |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_75( invkid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '1D'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | ActivateSSRslt_03(invkid)          |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                           |          |
|----------------------------|---------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_76             |          |
| <b>Structured Type:</b>    | FIE                       |          |
| <b>Derivation Path:</b>    |                           |          |
| <b>Comments:</b>           |                           |          |
| Element Name               | Element Value             | Comments |
| iei                        | '00011100'B               |          |
| iel                        | ?                         |          |
| components_1               | SUPERSET({ActivateSS_04}) |          |
| components_t               | OMIT                      |          |
| <b>Detailed Comments:</b>  |                           |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_77( invkid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '1A'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | ActivateSSRst_04(invkid)           |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                           |          |
|----------------------------|---------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_78             |          |
| <b>Structured Type:</b>    | FIE                       |          |
| <b>Derivation Path:</b>    |                           |          |
| <b>Comments:</b>           |                           |          |
| Element Name               | Element Value             | Comments |
| iei                        | '00011100'B               |          |
| iel                        | ?                         |          |
| components_1               | SUPERSET({ActivateSS_05}) |          |
| components_t               | OMIT                      |          |
| <b>Detailed Comments:</b>  |                           |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_79( invkid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '08'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | ActivateSSErr_01(invkid)           |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                           |          |
|----------------------------|---------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_80             |          |
| <b>Structured Type:</b>    | FIE                       |          |
| <b>Derivation Path:</b>    |                           |          |
| <b>Comments:</b>           |                           |          |
| Element Name               | Element Value             | Comments |
| iei                        | '00011100'B               |          |
| iel                        | ?                         |          |
| components_1               | SUPERSET({ActivateSS_06}) |          |
| components_t               | OMIT                      |          |
| <b>Detailed Comments:</b>  |                           |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_81( invkid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '0A'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | ActivateSSErr_02(invkid)           |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                             |          |
|----------------------------|-----------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_82               |          |
| <b>Structured Type:</b>    | FIE                         |          |
| <b>Derivation Path:</b>    |                             |          |
| <b>Comments:</b>           |                             |          |
| Element Name               | Element Value               | Comments |
| iei                        | '00011100'B                 |          |
| iel                        | ?                           |          |
| components_1               | SUPERSET({DeactivateSS_03}) |          |
| components_t               | OMIT                        |          |
| <b>Detailed Comments:</b>  |                             |          |

| Structured Type Constraint |                                                    |          |
|----------------------------|----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_83( invkid:OCTETSTRING)                 |          |
| <b>Structured Type:</b>    | FIE                                                |          |
| <b>Derivation Path:</b>    |                                                    |          |
| <b>Comments:</b>           | Used in Facility_Req_25 of TC_31_8_4_1 (b, speech) |          |
| Element Name               | Element Value                                      | Comments |
| iei                        | '00011100'B                                        |          |
| iel                        | '15'O                                              |          |
| components_1               | OMIT                                               |          |
| components_t               | DeactivateSSrslt_03(invkid)                        |          |
| <b>Detailed Comments:</b>  |                                                    |          |

| Structured Type Constraint |                             |          |
|----------------------------|-----------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_84               |          |
| <b>Structured Type:</b>    | FIE                         |          |
| <b>Derivation Path:</b>    |                             |          |
| <b>Comments:</b>           |                             |          |
| Element Name               | Element Value               | Comments |
| iei                        | '00011100'B                 |          |
| iel                        | ?                           |          |
| components_1               | SUPERSET({DeactivateSS_04}) |          |
| components_t               | OMIT                        |          |
| <b>Detailed Comments:</b>  |                             |          |

| Structured Type Constraint |                             |          |
|----------------------------|-----------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_85               |          |
| <b>Structured Type:</b>    | FIE                         |          |
| <b>Derivation Path:</b>    |                             |          |
| <b>Comments:</b>           |                             |          |
| Element Name               | Element Value               | Comments |
| iei                        | '00011100'B                 |          |
| iel                        | ?                           |          |
| components_1               | SUPERSET({DeactivateSS_05}) |          |
| components_t               | OMIT                        |          |
| <b>Detailed Comments:</b>  |                             |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_86( invkid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '0A'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | DeactivateSSErr_01(invkid)         |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_87( invkid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '08'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | DeactivateSSErr_02(invkid)         |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                             |          |
|----------------------------|-----------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_88               |          |
| <b>Structured Type:</b>    | FIE                         |          |
| <b>Derivation Path:</b>    |                             |          |
| <b>Comments:</b>           |                             |          |
| Element Name               | Element Value               | Comments |
| iei                        | '00011100'B                 |          |
| iel                        | ?                           |          |
| components_1               | SUPERSET({DeactivateSS_06}) |          |
| components_t               | OMIT                        |          |
| <b>Detailed Comments:</b>  |                             |          |

| Structured Type Constraint |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_89                |          |
| <b>Structured Type:</b>    | FIE                          |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           |                              |          |
| Element Name               | Element Value                | Comments |
| iei                        | '00011100'B                  |          |
| iel                        | ?                            |          |
| components_1               | SUPERSET({InterrogateSS_05}) |          |
| components_t               | OMIT                         |          |
| <b>Detailed Comments:</b>  |                              |          |

| Structured Type Constraint |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_90                |          |
| <b>Structured Type:</b>    | FIE                          |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           |                              |          |
| Element Name               | Element Value                | Comments |
| iei                        | '00011100'B                  |          |
| iel                        | ?                            |          |
| components_1               | SUPERSET({InterrogateSS_06}) |          |
| components_t               | OMIT                         |          |
| <b>Detailed Comments:</b>  |                              |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_91( invkid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '0A'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | InterrogateSSErr_02(invkid)        |          |
| <b>Detailed Comments:</b>  |                                    |          |



| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_92( invkid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '08'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | InterrogateSSRej_02(invkid)        |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_93                |          |
| <b>Structured Type:</b>    | FIE                          |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           |                              |          |
| Element Name               | Element Value                | Comments |
| iei                        | '00011100'B                  |          |
| iel                        | ?                            |          |
| components_1               | SUPERSET({InterrogateSS_07}) |          |
| components_t               | OMIT                         |          |
| <b>Detailed Comments:</b>  |                              |          |

| Structured Type Constraint |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_94                |          |
| <b>Structured Type:</b>    | FIE                          |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           |                              |          |
| Element Name               | Element Value                | Comments |
| iei                        | '00011100'B                  |          |
| iel                        | ?                            |          |
| components_1               | SUPERSET({InterrogateSS_08}) |          |
| components_t               | OMIT                         |          |
| <b>Detailed Comments:</b>  |                              |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_95( invkid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '0F'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | InterrogateSSRslt_03(invkid)       |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                   |          |
|----------------------------|-------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_97     |          |
| <b>Structured Type:</b>    | FIE               |          |
| <b>Derivation Path:</b>    |                   |          |
| <b>Comments:</b>           |                   |          |
| Element Name               | Element Value     | Comments |
| iei                        | '00011100'B       |          |
| iel                        | '10'O             |          |
| components_1               | OMIT              |          |
| components_t               | NotificationSS_05 |          |
| <b>Detailed Comments:</b>  |                   |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_96( invkid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '00011100'B                        |          |
| iel                        | '0D'O                              |          |
| components_1               | OMIT                               |          |
| components_t               | InterrogateSSRslt_04(invkid)       |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                                           |          |
|----------------------------|-------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_98(ussdString: IA5String)      |          |
| <b>Structured Type:</b>    | FIE                                       |          |
| <b>Derivation Path:</b>    |                                           |          |
| <b>Comments:</b>           | Process Unstructured SS Request           |          |
| Element Name               | Element Value                             | Comments |
| iei                        | '00011100'B                               |          |
| iel                        | ?                                         |          |
| components_1               | SUPERSET({ProcessUSSDReq_01(ussdString)}) |          |
| components_t               | OMIT                                      |          |
| <b>Detailed Comments:</b>  |                                           |          |

| Structured Type Constraint |                                                                                                          |          |
|----------------------------|----------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_99( Invkid :OCTETSTRING; prevbits: OCTETSTRING; follbits: OCTETSTRING; ussdString: IA5String) |          |
| <b>Structured Type:</b>    | FIE                                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                                          |          |
| <b>Comments:</b>           | Return Result for Process Unstructured SS request                                                        |          |
| Element Name               | Element Value                                                                                            | Comments |
| iei                        | '00011100'B                                                                                              |          |
| iel                        | OC_LengthOfComp(USSDReq_01(Invkid, prevbits, follbits, ussdString))                                      |          |
| components_1               | OMIT                                                                                                     |          |
| components_t               | USSDReq_01(Invkid, prevbits, follbits, ussdString)                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                          |          |

| Structured Type Constraint |                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_100( Invkid :OCTETSTRING; prevbits: OCTETSTRING; follbits: OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                    |          |
| <b>Comments:</b>           | Invoke for Unstructured SS request with information to the user                    |          |
| Element Name               | Element Value                                                                      | Comments |
| iei                        | '00011100'B                                                                        |          |
| iel                        | OC_LengthOfComp(USSDReq_02(Invkid, prevbits, follbits))                            |          |
| components_1               | OMIT                                                                               |          |
| components_t               | USSDReq_02(Invkid, prevbits, follbits)                                             |          |
| <b>Detailed Comments:</b>  |                                                                                    |          |

| Structured Type Constraint |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_101( Invkid :OCTETSTRING; ussdString: IA5String)                      |          |
| <b>Structured Type:</b>    | FIE                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                  |          |
| <b>Comments:</b>           | ReturnResult for Process Unstructured SS request without information to the user |          |
| Element Name               | Element Value                                                                    | Comments |
| iei                        | '00011100'B                                                                      |          |
| iel                        | ?                                                                                |          |
| components_1               | SUPERSET({ProcessUSSDReq_04(Invkid, ussdString)})                                |          |
| components_t               | OMIT                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |

| Structured Type Constraint |                                           |          |
|----------------------------|-------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_102(ussdString: IA5String)     |          |
| <b>Structured Type:</b>    | FIE                                       |          |
| <b>Derivation Path:</b>    |                                           |          |
| <b>Comments:</b>           | Process Unstructured SS Request           |          |
| Element Name               | Element Value                             | Comments |
| iei                        | '00011100'B                               |          |
| iel                        | ?                                         |          |
| components_1               | SUPERSET({ProcessUSSData_01(ussdString)}) |          |
| components_t               | OMIT                                      |          |
| <b>Detailed Comments:</b>  |                                           |          |

| Structured Type Constraint |                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_103( Invkid :OCTETSTRING; prevbits: OCTETSTRING; follbits: OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                    |          |
| <b>Comments:</b>           | Reject for Process Unstructured SS request                                         |          |
| Element Name               | Element Value                                                                      | Comments |
| iei                        | '00011100'B                                                                        |          |
| iel                        | OC_LengthOfComp(ProcessUSSRequest_02(Invkid, prevbits, follbits))                  |          |
| components_1               | OMIT                                                                               |          |
| components_t               | ProcessUSSRequest_02(Invkid, prevbits, follbits)                                   |          |
| <b>Detailed Comments:</b>  |                                                                                    |          |

| Structured Type Constraint |                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_104( Invkid :OCTETSTRING; prevbits: OCTETSTRING; follbits: OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                    |          |
| <b>Comments:</b>           | Return Result for Process Unstructured SS Data                                     |          |
| Element Name               | Element Value                                                                      | Comments |
| iei                        | '00011100'B                                                                        |          |
| iel                        | OC_LengthOfComp(ProcessUSSData_02(Invkid, prevbits, follbits))                     |          |
| components_1               | OMIT                                                                               |          |
| components_t               | ProcessUSSData_02(Invkid, prevbits, follbits)                                      |          |
| <b>Detailed Comments:</b>  |                                                                                    |          |

| Structured Type Constraint |                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_105( Invkid :OCTETSTRING; prevbits: OCTETSTRING; follbits: OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                    |          |
| <b>Comments:</b>           | Return Error for Process Unstructured SS Request                                   |          |
| Element Name               | Element Value                                                                      | Comments |
| iei                        | '00011100'B                                                                        |          |
| iel                        | OC_LengthOfComp(ProcessUSSRequest_02(Invkid, prevbits, follbits))                  |          |
| components_1               | OMIT                                                                               |          |
| components_t               | ProcessUSSRequest_02(Invkid, prevbits, follbits)                                   |          |
| <b>Detailed Comments:</b>  |                                                                                    |          |

| Structured Type Constraint |                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_106( Invkid :OCTETSTRING; prevbits: OCTETSTRING; follbits: OCTETSTRING) |          |
| <b>Structured Type:</b>    | FIE                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                    |          |
| <b>Comments:</b>           | Reject for Process Unstructured SS Request                                         |          |
| Element Name               | Element Value                                                                      | Comments |
| iei                        | '00011100'B                                                                        |          |
| iel                        | OC_LengthOfComp(ProcessUSSRequest_02(Invkid, prevbits, follbits))                  |          |
| components_1               | OMIT                                                                               |          |
| components_t               | ProcessUSSRequest_02(Invkid, prevbits, follbits)                                   |          |
| <b>Detailed Comments:</b>  |                                                                                    |          |

| Structured Type Constraint |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_107(Invkid :OCTETSTRING; ussdstring: IA5String) |          |
| <b>Structured Type:</b>    | FIE                                                        |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | Invoke for UnstructuredSS-Notify                           |          |
| Element Name               | Element Value                                              | Comments |
| iei                        | '00011100'B                                                |          |
| iel                        | OC_LengthOfComp(NotificationSS_06(Invkid, ussdstring))     |          |
| components_1               | OMIT                                                       |          |
| components_t               | NotificationSS_06(Invkid, ussdstring)                      |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| Structured Type Constraint |                                       |          |
|----------------------------|---------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_108(Invkid: OCTETSTRING)   |          |
| <b>Structured Type:</b>    | FIE                                   |          |
| <b>Derivation Path:</b>    |                                       |          |
| <b>Comments:</b>           | Empty Return Result.                  |          |
| Element Name               | Element Value                         | Comments |
| iei                        | '00011100'B                           |          |
| iel                        | ?                                     |          |
| components_1               | SUPERSET({NotificationSS_07(Invkid)}) |          |
| components_t               | OMIT                                  |          |
| <b>Detailed Comments:</b>  |                                       |          |

| Structured Type Constraint |                                            |          |
|----------------------------|--------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_109( Invkid :OCTETSTRING)       |          |
| <b>Structured Type:</b>    | FIE                                        |          |
| <b>Derivation Path:</b>    |                                            |          |
| <b>Comments:</b>           | Return Result for Unstructured SS - Notify |          |
| Element Name               | Element Value                              | Comments |
| iei                        | '00011100'B                                |          |
| iel                        | OC_LengthOfComp(NotificationSS_08(Invkid)) |          |
| components_1               | OMIT                                       |          |
| components_t               | NotificationSS_08(Invkid)                  |          |
| <b>Detailed Comments:</b>  |                                            |          |

| Structured Type Constraint |                                                                      |          |
|----------------------------|----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_110( Invkid :OCTETSTRING)                                 |          |
| <b>Structured Type:</b>    | FIE                                                                  |          |
| <b>Derivation Path:</b>    |                                                                      |          |
| <b>Comments:</b>           | Return Error for UnstructuredSS-Notify with the error code USSD Busy |          |
| Element Name               | Element Value                                                        | Comments |
| iei                        | '00011100'B                                                          |          |
| iel                        | ?                                                                    |          |
| components_1               | SUPERSET({NotificationSS_09(Invkid)})                                |          |
| components_t               | OMIT                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                      |          |

| Structured Type Constraint |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_111(Invkid :OCTETSTRING; ussdstring: IA5String) |          |
| <b>Structured Type:</b>    | FIE                                                        |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | Invoke for UnstructuredSS-Request                          |          |
| Element Name               | Element Value                                              | Comments |
| iei                        | '00011100'B                                                |          |
| iel                        | OC_LengthOfComp(USSDReq_03(Invkid, ussdstring))            |          |
| components_1               | OMIT                                                       |          |
| components_t               | USSDReq_03(Invkid, ussdstring)                             |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| Structured Type Constraint |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_112(Invkid: OCTETSTRING; ussdString: IA5String) |          |
| <b>Structured Type:</b>    | FIE                                                        |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | Return Result for UnstructuredSS-Request.                  |          |
| Element Name               | Element Value                                              | Comments |
| iei                        | '00011100'B                                                |          |
| iel                        | ?                                                          |          |
| components_1               | SUPERSET({USSDReq_04(Invkid, ussdString)})                 |          |
| components_t               | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| Structured Type Constraint |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_113( Invkid :OCTETSTRING)                                  |          |
| <b>Structured Type:</b>    | FIE                                                                   |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | Return Error for UnstructuredSS-Request with the error code USSD Busy |          |
| Element Name               | Element Value                                                         | Comments |
| iei                        | '00011100'B                                                           |          |
| iel                        | ?                                                                     |          |
| components_1               | SUPERSET({USSDReq_05(Invkid)})                                        |          |
| components_t               | OMIT                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| Structured Type Constraint |                                             |          |
|----------------------------|---------------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_114( Invkid :OCTETSTRING)        |          |
| <b>Structured Type:</b>    | FIE                                         |          |
| <b>Derivation Path:</b>    |                                             |          |
| <b>Comments:</b>           | Return Result for Unstructured SS - Request |          |
| Element Name               | Element Value                               | Comments |
| iei                        | '00011100'B                                 |          |
| iel                        | OC_LengthOfComp(USSDReq_06(Invkid) )        |          |
| components_1               | OMIT                                        |          |
| components_t               | USSDReq_06(Invkid)                          |          |
| <b>Detailed Comments:</b>  |                                             |          |

| Structured Type Constraint |                                        |          |
|----------------------------|----------------------------------------|----------|
| <b>Constraint Name:</b>    | facilityIE_115( invkid:OCTETSTRING)    |          |
| <b>Structured Type:</b>    | FIE                                    |          |
| <b>Derivation Path:</b>    |                                        |          |
| <b>Comments:</b>           | Used in ASP RelCmpRq_28 of TC_31_8_4_1 |          |
| Element Name               | Element Value                          | Comments |
| iei                        | '00011100'B                            |          |
| iel                        | '15'O                                  |          |
| components_1               | OMIT                                   |          |
| components_t               | DeactivateSSRslt_04(invkid)            |          |
| <b>Detailed Comments:</b>  |                                        |          |

| Structured Type Constraint |                                     |          |
|----------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>    | Fn_01                               |          |
| <b>Structured Type:</b>    | FN                                  |          |
| <b>Derivation Path:</b>    |                                     |          |
| <b>Comments:</b>           | not pertaining to the MS under test |          |
| Element Name               | Element Value                       | Comments |
| t1_                        | '00000'B                            |          |
| t3                         | '000000'B                           |          |
| t2                         | '00000'B                            |          |
| <b>Detailed Comments:</b>  |                                     |          |

| Structured Type Constraint |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH1                                                                        |          |
| <b>Structured Type:</b>    | FRQPARA                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                  |          |
| <b>Comments:</b>           | Broadcast channel of cell A (cell 1) for test case 26.3.2 and 26.3.3 for GSM900. |          |
| Element Name               | Element Value                                                                    | Comments |
| hch                        | '0'B                                                                             |          |
| maio                       | OMIT                                                                             |          |
| hsn                        | OMIT                                                                             |          |
| spr                        | '00'B                                                                            |          |
| arfcn                      | '0000000001'B                                                                    |          |
| maclength                  | '00'O                                                                            |          |
| mac_8n                     | OMIT                                                                             |          |
| mac_7n                     | OMIT                                                                             |          |
| mac_6n                     | OMIT                                                                             |          |
| mac_5n                     | OMIT                                                                             |          |
| mac_4n                     | OMIT                                                                             |          |
| mac_3n                     | OMIT                                                                             |          |
| mac_2n                     | OMIT                                                                             |          |
| mac_1n                     | OMIT                                                                             |          |
| flst                       | OMIT                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |

| Structured Type Constraint |                                                                                         |          |
|----------------------------|-----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH1d                                                                              |          |
| <b>Structured Type:</b>    | FRQPARA                                                                                 |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                                              |          |
| <b>Comments:</b>           | Broadcast channel of cell A (cell 1) for test case TC_26_3_2 and TC_26_3_3 for DCS1800. |          |
| Element Name               | Element Value                                                                           | Comments |
| arfcn                      | '1000001000'B                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                         |          |

| Structured Type Constraint |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH2                                                                         |          |
| <b>Structured Type:</b>    | FRQPARA                                                                           |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                                        |          |
| <b>Comments:</b>           | Broadcast channel of cell B (cell 2) for test case 26.3.2 and 26.3.3 for GSM 900. |          |
| Element Name               | Element Value                                                                     | Comments |
| arfcn                      | '0000000111'B                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| Structured Type Constraint |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH2d                                                                        |          |
| <b>Structured Type:</b>    | FRQPARA                                                                           |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                                        |          |
| <b>Comments:</b>           | Broadcast channel of cell B (cell 2) for test case 26.3.2 and 26.3.3 for DCS1800. |          |
| Element Name               | Element Value                                                                     | Comments |
| arfcn                      | '1001000100'B                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| Structured Type Constraint |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH3                                                                         |          |
| <b>Structured Type:</b>    | FRQPARA                                                                           |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                                        |          |
| <b>Comments:</b>           | Broadcast channel of cell C (cell 3) for test case 26.3.2 and 26.3.3 for GSM 900. |          |
| Element Name               | Element Value                                                                     | Comments |
| arfcn                      | '0000100111'B                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| Structured Type Constraint |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH3d                                                                        |          |
| <b>Structured Type:</b>    | FRQPARA                                                                           |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                                        |          |
| <b>Comments:</b>           | Broadcast channel of cell C (cell 3) for test case 26.3.2 and 26.3.3 for DCS1800. |          |
| Element Name               | Element Value                                                                     | Comments |
| arfcn                      | '1001100100'B                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| Structured Type Constraint |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH4                                                                         |          |
| <b>Structured Type:</b>    | FRQPARA                                                                           |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                                        |          |
| <b>Comments:</b>           | Broadcast channel of cell D (cell 4) for test case 26.3.2 and 26.3.3 for GSM 900. |          |
| Element Name               | Element Value                                                                     | Comments |
| arfcn                      | '0001000001'B                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| Structured Type Constraint |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH4d                                                                        |          |
| <b>Structured Type:</b>    | FRQPARA                                                                           |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                                        |          |
| <b>Comments:</b>           | Broadcast channel of cell D (cell 4) for test case 26.3.2 and 26.3.3 for DCS1800. |          |
| Element Name               | Element Value                                                                     | Comments |
| arfcn                      | '1011111101'B                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |



| Structured Type Constraint |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH5                                                                         |          |
| <b>Structured Type:</b>    | FRQPARA                                                                           |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                                        |          |
| <b>Comments:</b>           | Broadcast channel of cell E (cell 5) for test case 26.3.2 and 26.3.3 for GSM 900. |          |
| Element Name               | Element Value                                                                     | Comments |
| arfcn                      | '0001000010'B                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| Structured Type Constraint |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH5d                                                                        |          |
| <b>Structured Type:</b>    | FRQPARA                                                                           |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                                        |          |
| <b>Comments:</b>           | Broadcast channel of cell E (cell 5) for test case 26.3.2 and 26.3.3 for DCS1800. |          |
| Element Name               | Element Value                                                                     | Comments |
| arfcn                      | '1011111110'B                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| Structured Type Constraint |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH6                                                                         |          |
| <b>Structured Type:</b>    | FRQPARA                                                                           |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                                        |          |
| <b>Comments:</b>           | Broadcast channel of cell F (cell 6) for test case 26.3.2 and 26.3.3 for GSM 900. |          |
| Element Name               | Element Value                                                                     | Comments |
| arfcn                      | '0001010101'B                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| Structured Type Constraint |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH6d                                                                        |          |
| <b>Structured Type:</b>    | FRQPARA                                                                           |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                                        |          |
| <b>Comments:</b>           | Broadcast channel of cell F (cell 6) for test case 26.3.2 and 26.3.3 for DCS1800. |          |
| Element Name               | Element Value                                                                     | Comments |
| arfcn                      | '1101111101'B                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| Structured Type Constraint |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH7                                                                         |          |
| <b>Structured Type:</b>    | FRQPARA                                                                           |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                                        |          |
| <b>Comments:</b>           | Broadcast channel of cell G (cell 7) for test case 26.3.2 and 26.3.3 for GSM 900. |          |
| Element Name               | Element Value                                                                     | Comments |
| arfcn                      | '0001100001'B                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| Structured Type Constraint |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH7e                                                                     |          |
| <b>Structured Type:</b>    | FRQPARA                                                                        |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                                     |          |
| <b>Comments:</b>           | Broadcast channel of cell G (cell 7) for test case 26.3.2 and 26.3.3 for EGSM. |          |
| Element Name               | Element Value                                                                  | Comments |
| arfcn                      | '1111011001'B                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| Structured Type Constraint |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH7d                                                                        |          |
| <b>Structured Type:</b>    | FRQPARA                                                                           |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                                        |          |
| <b>Comments:</b>           | Broadcast channel of cell G (cell 7) for test case 26.3.2 and 26.3.3 for DCS1800. |          |
| Element Name               | Element Value                                                                     | Comments |
| arfcn                      | '1101110101'B                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| Structured Type Constraint |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH8                                                                         |          |
| <b>Structured Type:</b>    | FRQPARA                                                                           |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                                        |          |
| <b>Comments:</b>           | Broadcast channel of cell H (cell 8) for test case 26.3.2 and 26.3.3 for GSM 900. |          |
| Element Name               | Element Value                                                                     | Comments |
| arfcn                      | '0001111100'B                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| Structured Type Constraint |                                                                        |          |
|----------------------------|------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH9                                                              |          |
| <b>Structured Type:</b>    | FRQPARA                                                                |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                             |          |
| <b>Comments:</b>           | Broadcast channel of cell A (cell S1) for test case 26.6.3s of GSM900. |          |
| Element Name               | Element Value                                                          | Comments |
| arfcn                      | '0000000010'B                                                          |          |
| <b>Detailed Comments:</b>  |                                                                        |          |

| Structured Type Constraint |                                                                         |          |
|----------------------------|-------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH9d                                                              |          |
| <b>Structured Type:</b>    | FRQPARA                                                                 |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                              |          |
| <b>Comments:</b>           | Broadcast channel of cell A (cell S1) for test case 26.6.3s of DCS1800. |          |
| Element Name               | Element Value                                                           | Comments |
| arfcn                      | '1000000010'B                                                           |          |
| <b>Detailed Comments:</b>  |                                                                         |          |

| Structured Type Constraint |                                                                        |          |
|----------------------------|------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH10                                                             |          |
| <b>Structured Type:</b>    | FRQPARA                                                                |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                             |          |
| <b>Comments:</b>           | Broadcast channel of cell B (cell N1) for test case 26.6.3s of GSM900. |          |
| Element Name               | Element Value                                                          | Comments |
| arfcn                      | '0000001000'B                                                          |          |
| <b>Detailed Comments:</b>  |                                                                        |          |

| Structured Type Constraint |                                                                         |          |
|----------------------------|-------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH10d                                                             |          |
| <b>Structured Type:</b>    | FRQPARA                                                                 |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                              |          |
| <b>Comments:</b>           | Broadcast channel of cell B (cell N1) for test case 26.6.3s of DCS1800. |          |
| Element Name               | Element Value                                                           | Comments |
| arfcn                      | '1000010010'B                                                           |          |
| <b>Detailed Comments:</b>  |                                                                         |          |

| Structured Type Constraint |                                                                            |          |
|----------------------------|----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH11                                                                 |          |
| <b>Structured Type:</b>    | FRQPARA                                                                    |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                                 |          |
| <b>Comments:</b>           | Broadcast channel of cell C (cell N2) and for test case 26.6.3s of GSM900. |          |
| Element Name               | Element Value                                                              | Comments |
| arfcn                      | '0000001110'B                                                              |          |
| <b>Detailed Comments:</b>  |                                                                            |          |

| Structured Type Constraint |                                                                             |          |
|----------------------------|-----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH11d                                                                 |          |
| <b>Structured Type:</b>    | FRQPARA                                                                     |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                                  |          |
| <b>Comments:</b>           | Broadcast channel of cell C (cell N2) and for test case 26.6.3s of DCS1800. |          |
| Element Name               | Element Value                                                               | Comments |
| arfcn                      | '1001011010'B                                                               |          |
| <b>Detailed Comments:</b>  |                                                                             |          |

| Structured Type Constraint |                                                                        |          |
|----------------------------|------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH12                                                             |          |
| <b>Structured Type:</b>    | FRQPARA                                                                |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                             |          |
| <b>Comments:</b>           | Broadcast channel of cell D (cell N3) for test case 26.6.3s of GSM900. |          |
| Element Name               | Element Value                                                          | Comments |
| arfcn                      | '0000010100'B                                                          |          |
| <b>Detailed Comments:</b>  |                                                                        |          |

| Structured Type Constraint |                                                                         |          |
|----------------------------|-------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH12d                                                             |          |
| <b>Structured Type:</b>    | FRQPARA                                                                 |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                              |          |
| <b>Comments:</b>           | Broadcast channel of cell D (cell N3) for test case 26.6.3s of DCS1800. |          |
| Element Name               | Element Value                                                           | Comments |
| arfcn                      | '1010011001'B                                                           |          |
| <b>Detailed Comments:</b>  |                                                                         |          |

| Structured Type Constraint |                                                                        |          |
|----------------------------|------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH13                                                             |          |
| <b>Structured Type:</b>    | FRQPARA                                                                |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                             |          |
| <b>Comments:</b>           | Broadcast channel of cell E (cell N4) for test case 26.6.3s of GSM900. |          |
| Element Name               | Element Value                                                          | Comments |
| arfcn                      | '0000011010'B                                                          |          |
| <b>Detailed Comments:</b>  |                                                                        |          |

| Structured Type Constraint |                                                                         |          |
|----------------------------|-------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH13d                                                             |          |
| <b>Structured Type:</b>    | FRQPARA                                                                 |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                              |          |
| <b>Comments:</b>           | Broadcast channel of cell E (cell N4) for test case 26.6.3s of DCS1800. |          |
| Element Name               | Element Value                                                           | Comments |
| arfcn                      | '1011111010'B                                                           |          |
| <b>Detailed Comments:</b>  |                                                                         |          |

| Structured Type Constraint |                                                                        |          |
|----------------------------|------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH14                                                             |          |
| <b>Structured Type:</b>    | FRQPARA                                                                |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                             |          |
| <b>Comments:</b>           | Broadcast channel of cell F (cell N5) for test case 26.6.3s of GSM900. |          |
| Element Name               | Element Value                                                          | Comments |
| arfcn                      | '0000100000'B                                                          |          |
| <b>Detailed Comments:</b>  |                                                                        |          |

| Structured Type Constraint |                                                                         |          |
|----------------------------|-------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH14d                                                             |          |
| <b>Structured Type:</b>    | FRQPARA                                                                 |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                              |          |
| <b>Comments:</b>           | Broadcast channel of cell F (cell N5) for test case 26.6.3s of DCS1800. |          |
| Element Name               | Element Value                                                           | Comments |
| arfcn                      | '1010101110'B                                                           |          |
| <b>Detailed Comments:</b>  |                                                                         |          |

| Structured Type Constraint |                                                                        |          |
|----------------------------|------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH15                                                             |          |
| <b>Structured Type:</b>    | FRQPARA                                                                |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                             |          |
| <b>Comments:</b>           | Broadcast channel of cell G (cell N6) for test case 26.6.3s of GSM900. |          |
| Element Name               | Element Value                                                          | Comments |
| arfcn                      | '0000100110'B                                                          |          |
| <b>Detailed Comments:</b>  |                                                                        |          |

| Structured Type Constraint |                                                                         |          |
|----------------------------|-------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH15d                                                             |          |
| <b>Structured Type:</b>    | FRQPARA                                                                 |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                              |          |
| <b>Comments:</b>           | Broadcast channel of cell G (cell N6) for test case 26.6.3s of DCS1800. |          |
| Element Name               | Element Value                                                           | Comments |
| arfcn                      | '1000100101'B                                                           |          |
| <b>Detailed Comments:</b>  |                                                                         |          |

| Structured Type Constraint |                                                                        |          |
|----------------------------|------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH16                                                             |          |
| <b>Structured Type:</b>    | FRQPARA                                                                |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                             |          |
| <b>Comments:</b>           | Broadcast channel of cell H (cell N7) for test case 26.6.3s of GSM900. |          |
| Element Name               | Element Value                                                          | Comments |
| arfcn                      | '0000101100'B                                                          |          |
| <b>Detailed Comments:</b>  |                                                                        |          |

| Structured Type Constraint |                                                                         |          |
|----------------------------|-------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH16d                                                             |          |
| <b>Structured Type:</b>    | FRQPARA                                                                 |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                              |          |
| <b>Comments:</b>           | Broadcast channel of cell H (cell N7) for test case 26.6.3s of DCS1800. |          |
| Element Name               | Element Value                                                           | Comments |
| arfcn                      | '1100101010'B                                                           |          |
| <b>Detailed Comments:</b>  |                                                                         |          |

| Structured Type Constraint |                                                                          |          |
|----------------------------|--------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH17d                                                              |          |
| <b>Structured Type:</b>    | FRQPARA                                                                  |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                               |          |
| <b>Comments:</b>           | Broadcast channel of cell A (cell S1) for test case 26.6.3.5 of DCS1800. |          |
| Element Name               | Element Value                                                            | Comments |
| arfcn                      | '1011001011'B                                                            |          |
| <b>Detailed Comments:</b>  |                                                                          |          |

| Structured Type Constraint |                                                                          |          |
|----------------------------|--------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCH18d                                                              |          |
| <b>Structured Type:</b>    | FRQPARA                                                                  |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                               |          |
| <b>Comments:</b>           | Broadcast channel of cell B (cell N1) for test case 26.6.3.5 of DCS1800. |          |
| Element Name               | Element Value                                                            | Comments |
| arfcn                      | '1100101111'B                                                            |          |
| <b>Detailed Comments:</b>  |                                                                          |          |

| Structured Type Constraint |                                                                    |          |
|----------------------------|--------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCHe_1                                                        |          |
| <b>Structured Type:</b>    | FRQPARA                                                            |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                         |          |
| <b>Comments:</b>           | Broadcast channel of cell (cell N1) for test case 26.10.2 of EGSM. |          |
| Element Name               | Element Value                                                      | Comments |
| arfcn                      | '0000000010'B                                                      |          |
| <b>Detailed Comments:</b>  |                                                                    |          |

| Structured Type Constraint |                                                                    |          |
|----------------------------|--------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCHe_2                                                        |          |
| <b>Structured Type:</b>    | FRQPARA                                                            |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                         |          |
| <b>Comments:</b>           | Broadcast channel of cell (cell N2) for test case 26.10.2 of EGSM. |          |
| Element Name               | Element Value                                                      | Comments |
| arfcn                      | '1111011110'B                                                      |          |
| <b>Detailed Comments:</b>  |                                                                    |          |

| Structured Type Constraint |                                                                    |          |
|----------------------------|--------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCHe_3                                                        |          |
| <b>Structured Type:</b>    | FRQPARA                                                            |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                         |          |
| <b>Comments:</b>           | Broadcast channel of cell (cell N3) for test case 26.10.2 of EGSM. |          |
| Element Name               | Element Value                                                      | Comments |
| arfcn                      | '1111101101'B                                                      |          |
| <b>Detailed Comments:</b>  |                                                                    |          |

| Structured Type Constraint |                                                                    |          |
|----------------------------|--------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCHe_4                                                        |          |
| <b>Structured Type:</b>    | FRQPARA                                                            |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                         |          |
| <b>Comments:</b>           | Broadcast channel of cell (cell N4) for test case 26.10.2 of EGSM. |          |
| Element Name               | Element Value                                                      | Comments |
| arfcn                      | '0000000000'B                                                      |          |
| <b>Detailed Comments:</b>  |                                                                    |          |

| Structured Type Constraint |                                                                    |          |
|----------------------------|--------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCHe_5                                                        |          |
| <b>Structured Type:</b>    | FRQPARA                                                            |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                         |          |
| <b>Comments:</b>           | Broadcast channel of cell (cell N5) for test case 26.10.2 of EGSM. |          |
| Element Name               | Element Value                                                      | Comments |
| arfcn                      | '0000011010'B                                                      |          |
| <b>Detailed Comments:</b>  |                                                                    |          |

| Structured Type Constraint |                                                                    |          |
|----------------------------|--------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCHe_6                                                        |          |
| <b>Structured Type:</b>    | FRQPARA                                                            |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                         |          |
| <b>Comments:</b>           | Broadcast channel of cell (cell N6) for test case 26.10.2 of EGSM. |          |
| Element Name               | Element Value                                                      | Comments |
| arfcn                      | '1111111100'B                                                      |          |
| <b>Detailed Comments:</b>  |                                                                    |          |

| Structured Type Constraint |                                                                    |          |
|----------------------------|--------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCHe_7                                                        |          |
| <b>Structured Type:</b>    | FRQPARA                                                            |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                         |          |
| <b>Comments:</b>           | Broadcast channel of cell (cell N7) for test case 26.10.2 of EGSM. |          |
| Element Name               | Element Value                                                      | Comments |
| arfcn                      | '0000100110'B                                                      |          |
| <b>Detailed Comments:</b>  |                                                                    |          |

| Structured Type Constraint |                                                                    |          |
|----------------------------|--------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCHe_8                                                        |          |
| <b>Structured Type:</b>    | FRQPARA                                                            |          |
| <b>Derivation Path:</b>    | FreqBCCH1.                                                         |          |
| <b>Comments:</b>           | Broadcast channel of cell (cell N8) for test case 26.10.2 of EGSM. |          |
| Element Name               | Element Value                                                      | Comments |
| arfcn                      | '1111101011'B                                                      |          |
| <b>Detailed Comments:</b>  |                                                                    |          |

| Structured Type Constraint |                                                                                                       |          |
|----------------------------|-------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freqchseq_01                                                                                          |          |
| <b>Structured Type:</b>    | FRQCHS                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                       |          |
| <b>Comments:</b>           | Frequency channel sequence with the f_list={40,66,73,74,75,76,108,114}<br>Cross reference: Frql_20_B4 |          |
| Element Name               | Element Value                                                                                         | Comments |
| iei                        | '01101001'B                                                                                           |          |
| larfcn                     | '28'O                                                                                                 |          |
| incs                       | '0B71110026000000'O                                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                                       |          |

| Structured Type Constraint |                                                                                                                             |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freqchseq_02                                                                                                                |          |
| <b>Structured Type:</b>    | FRQCHS                                                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                                                             |          |
| <b>Comments:</b>           | Frequency channel sequence with the List_ARFCN={14,18,22,24,30,31,38,40,60,66,73,74,75,108}<br>cross reference: Frql_20_B72 |          |
| Element Name               | Element Value                                                                                                               | Comments |
| iei                        | '01101001'B                                                                                                                 |          |
| larfcn                     | '0E'O                                                                                                                       |          |
| incls                      | '4426172056711003'O                                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                                                             |          |

| Structured Type Constraint |                                                         |          |
|----------------------------|---------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freqchseq_03                                            |          |
| <b>Structured Type:</b>    | FRQCHS                                                  |          |
| <b>Derivation Path:</b>    |                                                         |          |
| <b>Comments:</b>           | Frequency channel sequence with the List_ARFCN={14,114} |          |
| Element Name               | Element Value                                           | Comments |
| iei                        | '01101001'B                                             |          |
| larfcn                     | '0E'O                                                   |          |
| incls                      | '000000A000000000'O                                     |          |
| <b>Detailed Comments:</b>  |                                                         |          |

| Structured Type Constraint |                                                         |          |
|----------------------------|---------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freqchseq_04                                            |          |
| <b>Structured Type:</b>    | FRQCHS                                                  |          |
| <b>Derivation Path:</b>    |                                                         |          |
| <b>Comments:</b>           | Frequency channel sequence with the List_ARFCN={40,114} |          |
| Element Name               | Element Value                                           | Comments |
| iei                        | '01101001'B                                             |          |
| larfcn                     | '28'O                                                   |          |
| incls                      | '0000E00000000000'O                                     |          |
| <b>Detailed Comments:</b>  |                                                         |          |

| Structured Type Constraint |                                                                  |          |
|----------------------------|------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freqchseq_05                                                     |          |
| <b>Structured Type:</b>    | FRQCHS                                                           |          |
| <b>Derivation Path:</b>    |                                                                  |          |
| <b>Comments:</b>           | Frequency channel sequence with the List_ARFCN={66, 75, 76, 108} |          |
| Element Name               | Element Value                                                    | Comments |
| iei                        | '01101001'B                                                      |          |
| larfcn                     | '42'O                                                            |          |
| incls                      | '9100200000000000'O                                              |          |
| <b>Detailed Comments:</b>  |                                                                  |          |



| Structured Type Constraint |                                                                                                                      |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freqchseq_06                                                                                                         |          |
| <b>Structured Type:</b>    | FRQCHS                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                      |          |
| <b>Comments:</b>           | Frequency channel sequence with the<br>List_ARFCN={14,18,22,24,30,31,38,60,66,73,74,75,76,108,114}<br>see Frql_20_B5 |          |
| Element Name               | Element Value                                                                                                        | Comments |
| iei                        | '01101001'B                                                                                                          |          |
| larfcn                     | '0E'O                                                                                                                |          |
| incs                       | '4426170767111002'O                                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                                      |          |

| Structured Type Constraint |                                                                                                                   |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freqchseq_22                                                                                                      |          |
| <b>Structured Type:</b>    | FRQCHS                                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                                   |          |
| <b>Comments:</b>           | Frequency channel sequence with the List_ARFCN={10,17,20,26,59,66,73,74,75,108,114}<br>cross reference: Frql_20_A |          |
| Element Name               | Element Value                                                                                                     | Comments |
| iei                        | '01101001'B                                                                                                       |          |
| larfcn                     | '0A'O                                                                                                             |          |
| incs                       | '7360037711003600'O                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                   |          |

| Structured Type Constraint |                                                       |          |
|----------------------------|-------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCHa_rg                                          |          |
| <b>Structured Type:</b>    | FRQPARA                                               |          |
| <b>Derivation Path:</b>    |                                                       |          |
| <b>Comments:</b>           | Broadcast channel of cell A for RR testing of GSM900. |          |
| Element Name               | Element Value                                         | Comments |
| hch                        | '0'B                                                  |          |
| maio                       | OMIT                                                  |          |
| hsn                        | OMIT                                                  |          |
| spr                        | '00'B                                                 |          |
| arfcn                      | INT_TO_BIT(C_arfcnA, 10)                              |          |
| maclength                  | '00'O                                                 |          |
| mac_8n                     | OMIT                                                  |          |
| mac_7n                     | OMIT                                                  |          |
| mac_6n                     | OMIT                                                  |          |
| mac_5n                     | OMIT                                                  |          |
| mac_4n                     | OMIT                                                  |          |
| mac_3n                     | OMIT                                                  |          |
| mac_2n                     | OMIT                                                  |          |
| mac_1n                     | OMIT                                                  |          |
| flst                       | OMIT                                                  |          |
| <b>Detailed Comments:</b>  |                                                       |          |

| Structured Type Constraint |                                                        |          |
|----------------------------|--------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCHa_rd                                           |          |
| <b>Structured Type:</b>    | FRQPARA                                                |          |
| <b>Derivation Path:</b>    |                                                        |          |
| <b>Comments:</b>           | Broadcast channel of cell A for RR testing of DCS1800. |          |
| Element Name               | Element Value                                          | Comments |
| hch                        | '0'B                                                   |          |
| maio                       | OMIT                                                   |          |
| hsn                        | OMIT                                                   |          |
| spr                        | '00'B                                                  |          |
| arfcn                      | INT_TO_BIT(C_arfcnAd, 10)                              |          |
| maclength                  | '00'O                                                  |          |
| mac_8n                     | OMIT                                                   |          |
| mac_7n                     | OMIT                                                   |          |
| mac_6n                     | OMIT                                                   |          |
| mac_5n                     | OMIT                                                   |          |
| mac_4n                     | OMIT                                                   |          |
| mac_3n                     | OMIT                                                   |          |
| mac_2n                     | OMIT                                                   |          |
| mac_1n                     | OMIT                                                   |          |
| flst                       | OMIT                                                   |          |
| <b>Detailed Comments:</b>  |                                                        |          |

| Structured Type Constraint |                                                         |          |
|----------------------------|---------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCHa_rd1                                           |          |
| <b>Structured Type:</b>    | FRQPARA                                                 |          |
| <b>Derivation Path:</b>    |                                                         |          |
| <b>Comments:</b>           | Broadcast channel of cell A for TC_26_6_4_1 of DCS1800. |          |
| Element Name               | Element Value                                           | Comments |
| hch                        | '0'B                                                    |          |
| maio                       | OMIT                                                    |          |
| hsn                        | OMIT                                                    |          |
| spr                        | '00'B                                                   |          |
| arfcn                      | INT_TO_BIT(747, 10)                                     |          |
| maclength                  | '00'O                                                   |          |
| mac_8n                     | OMIT                                                    |          |
| mac_7n                     | OMIT                                                    |          |
| mac_6n                     | OMIT                                                    |          |
| mac_5n                     | OMIT                                                    |          |
| mac_4n                     | OMIT                                                    |          |
| mac_3n                     | OMIT                                                    |          |
| mac_2n                     | OMIT                                                    |          |
| mac_1n                     | OMIT                                                    |          |
| flst                       | OMIT                                                    |          |
| <b>Detailed Comments:</b>  |                                                         |          |

| Structured Type Constraint |                                                      |          |
|----------------------------|------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCHa_E                                          |          |
| <b>Structured Type:</b>    | FRQPARA                                              |          |
| <b>Derivation Path:</b>    |                                                      |          |
| <b>Comments:</b>           | Broadcast channel of cell A for EGSM TC_26_6_10_2_2. |          |
| Element Name               | Element Value                                        | Comments |
| hch                        | '0'B                                                 |          |
| maio                       | OMIT                                                 |          |
| hsn                        | OMIT                                                 |          |
| spr                        | '00'B                                                |          |
| arfcn                      | INT_TO_BIT(1015, 10)                                 |          |
| maclength                  | '00'O                                                |          |
| mac_8n                     | OMIT                                                 |          |
| mac_7n                     | OMIT                                                 |          |
| mac_6n                     | OMIT                                                 |          |
| mac_5n                     | OMIT                                                 |          |
| mac_4n                     | OMIT                                                 |          |
| mac_3n                     | OMIT                                                 |          |
| mac_2n                     | OMIT                                                 |          |
| mac_1n                     | OMIT                                                 |          |
| flst                       | OMIT                                                 |          |
| <b>Detailed Comments:</b>  |                                                      |          |

| Structured Type Constraint |                                   |          |
|----------------------------|-----------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCHb_ho                      |          |
| <b>Structured Type:</b>    | FRQPARA                           |          |
| <b>Derivation Path:</b>    |                                   |          |
| <b>Comments:</b>           | Broadcast channel of cell B.      |          |
| Element Name               | Element Value                     | Comments |
| hch                        | '0'B                              |          |
| maio                       | OMIT                              |          |
| hsn                        | OMIT                              |          |
| spr                        | '00'B                             |          |
| arfcn                      | INT_TO_BIT(C_BCCHcarrierB_ho, 10) |          |
| maclength                  | '00'O                             |          |
| mac_8n                     | OMIT                              |          |
| mac_7n                     | OMIT                              |          |
| mac_6n                     | OMIT                              |          |
| mac_5n                     | OMIT                              |          |
| mac_4n                     | OMIT                              |          |
| mac_3n                     | OMIT                              |          |
| mac_2n                     | OMIT                              |          |
| mac_1n                     | OMIT                              |          |
| flst                       | OMIT                              |          |
| <b>Detailed Comments:</b>  |                                   |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCHb_hod                      |          |
| <b>Structured Type:</b>    | FRQPARA                            |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           | Broadcast channel of cell B.       |          |
| Element Name               | Element Value                      | Comments |
| hch                        | '0'B                               |          |
| maio                       | OMIT                               |          |
| hsn                        | OMIT                               |          |
| spr                        | '00'B                              |          |
| arfcn                      | INT_TO_BIT(C_BCCHcarrierB_hod, 10) |          |
| maclength                  | '00'O                              |          |
| mac_8n                     | OMIT                               |          |
| mac_7n                     | OMIT                               |          |
| mac_6n                     | OMIT                               |          |
| mac_5n                     | OMIT                               |          |
| mac_4n                     | OMIT                               |          |
| mac_3n                     | OMIT                               |          |
| mac_2n                     | OMIT                               |          |
| mac_1n                     | OMIT                               |          |
| flst                       | OMIT                               |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                                                 |          |
|----------------------------|-------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCHb_rg                                    |          |
| <b>Structured Type:</b>    | FRQPARA                                         |          |
| <b>Derivation Path:</b>    |                                                 |          |
| <b>Comments:</b>           | Default broadcast channel of cell B for GSM900. |          |
| Element Name               | Element Value                                   | Comments |
| hch                        | '0'B                                            |          |
| maio                       | OMIT                                            |          |
| hsn                        | OMIT                                            |          |
| spr                        | '00'B                                           |          |
| arfcn                      | INT_TO_BIT(C_arfcnB, 10)                        |          |
| maclength                  | '00'O                                           |          |
| mac_8n                     | OMIT                                            |          |
| mac_7n                     | OMIT                                            |          |
| mac_6n                     | OMIT                                            |          |
| mac_5n                     | OMIT                                            |          |
| mac_4n                     | OMIT                                            |          |
| mac_3n                     | OMIT                                            |          |
| mac_2n                     | OMIT                                            |          |
| mac_1n                     | OMIT                                            |          |
| flst                       | OMIT                                            |          |
| <b>Detailed Comments:</b>  |                                                 |          |

| Structured Type Constraint |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCHb_rd                                     |          |
| <b>Structured Type:</b>    | FRQPARA                                          |          |
| <b>Derivation Path:</b>    |                                                  |          |
| <b>Comments:</b>           | Default broadcast channel of cell B for DCS1800. |          |
| Element Name               | Element Value                                    | Comments |
| hch                        | '0'B                                             |          |
| maio                       | OMIT                                             |          |
| hsn                        | OMIT                                             |          |
| spr                        | '00'B                                            |          |
| arfcn                      | INT_TO_BIT(C_arfcnBd, 10)                        |          |
| maclength                  | '00'O                                            |          |
| mac_8n                     | OMIT                                             |          |
| mac_7n                     | OMIT                                             |          |
| mac_6n                     | OMIT                                             |          |
| mac_5n                     | OMIT                                             |          |
| mac_4n                     | OMIT                                             |          |
| mac_3n                     | OMIT                                             |          |
| mac_2n                     | OMIT                                             |          |
| mac_1n                     | OMIT                                             |          |
| flst                       | OMIT                                             |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| Structured Type Constraint |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCHc                    |          |
| <b>Structured Type:</b>    | FRQPARA                      |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           | Broadcast channel of cell C. |          |
| Element Name               | Element Value                | Comments |
| hch                        | '0'B                         |          |
| maio                       | OMIT                         |          |
| hsn                        | OMIT                         |          |
| spr                        | '00'B                        |          |
| arfcn                      | INT_TO_BIT(C_arfcnC, 10)     |          |
| maclength                  | '00'O                        |          |
| mac_8n                     | OMIT                         |          |
| mac_7n                     | OMIT                         |          |
| mac_6n                     | OMIT                         |          |
| mac_5n                     | OMIT                         |          |
| mac_4n                     | OMIT                         |          |
| mac_3n                     | OMIT                         |          |
| mac_2n                     | OMIT                         |          |
| mac_1n                     | OMIT                         |          |
| flst                       | OMIT                         |          |
| <b>Detailed Comments:</b>  |                              |          |

| Structured Type Constraint |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | FreqBCCHc_d                  |          |
| <b>Structured Type:</b>    | FRQPARA                      |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           | Broadcast channel of cell C. |          |
| Element Name               | Element Value                | Comments |
| hch                        | '0'B                         |          |
| maio                       | OMIT                         |          |
| hsn                        | OMIT                         |          |
| spr                        | '00'B                        |          |
| arfcn                      | INT_TO_BIT(C_arfcnCd, 10)    |          |
| maclength                  | '00'O                        |          |
| mac_8n                     | OMIT                         |          |
| mac_7n                     | OMIT                         |          |
| mac_6n                     | OMIT                         |          |
| mac_5n                     | OMIT                         |          |
| mac_4n                     | OMIT                         |          |
| mac_3n                     | OMIT                         |          |
| mac_2n                     | OMIT                         |          |
| mac_1n                     | OMIT                         |          |
| flst                       | OMIT                         |          |
| <b>Detailed Comments:</b>  |                              |          |

| Structured Type Constraint |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa_rg                                                           |          |
| <b>Structured Type:</b>    | FRQPARA                                                               |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | Default not combined Traffic channel of cell A for testing of GSM900. |          |
| Element Name               | Element Value                                                         | Comments |
| hch                        | '0'B                                                                  |          |
| maio                       | OMIT                                                                  |          |
| hsn                        | OMIT                                                                  |          |
| spr                        | '00'B                                                                 |          |
| arfcn                      | INT_TO_BIT(30, 10)                                                    |          |
| maclength                  | '00'O                                                                 |          |
| mac_8n                     | OMIT                                                                  |          |
| mac_7n                     | OMIT                                                                  |          |
| mac_6n                     | OMIT                                                                  |          |
| mac_5n                     | OMIT                                                                  |          |
| mac_4n                     | OMIT                                                                  |          |
| mac_3n                     | OMIT                                                                  |          |
| mac_2n                     | OMIT                                                                  |          |
| mac_1n                     | OMIT                                                                  |          |
| flst                       | OMIT                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| Structured Type Constraint |                                                                        |          |
|----------------------------|------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa_rd                                                            |          |
| <b>Structured Type:</b>    | FRQPARA                                                                |          |
| <b>Derivation Path:</b>    |                                                                        |          |
| <b>Comments:</b>           | Default not combined Traffic channel of cell A for testing of DCS1800. |          |
| Element Name               | Element Value                                                          | Comments |
| hch                        | '0'B                                                                   |          |
| maio                       | OMIT                                                                   |          |
| hsn                        | OMIT                                                                   |          |
| spr                        | '00'B                                                                  |          |
| arfcn                      | INT_TO_BIT(650, 10)                                                    |          |
| maclength                  | '00'O                                                                  |          |
| mac_8n                     | OMIT                                                                   |          |
| mac_7n                     | OMIT                                                                   |          |
| mac_6n                     | OMIT                                                                   |          |
| mac_5n                     | OMIT                                                                   |          |
| mac_4n                     | OMIT                                                                   |          |
| mac_3n                     | OMIT                                                                   |          |
| mac_2n                     | OMIT                                                                   |          |
| mac_1n                     | OMIT                                                                   |          |
| flst                       | OMIT                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                        |          |

| Structured Type Constraint |                                  |          |
|----------------------------|----------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa                         |          |
| <b>Structured Type:</b>    | FRQPARA                          |          |
| <b>Derivation Path:</b>    |                                  |          |
| <b>Comments:</b>           | Traffic channel for cell A       |          |
| Element Name               | Element Value                    | Comments |
| hch                        | '0'B                             |          |
| maio                       | OMIT                             |          |
| hsn                        | OMIT                             |          |
| spr                        | '00'B                            |          |
| arfcn                      | INT_TO_BIT(TSPX_TCHcarrierA, 10) |          |
| maclength                  | '00'O                            |          |
| mac_8n                     | OMIT                             |          |
| mac_7n                     | OMIT                             |          |
| mac_6n                     | OMIT                             |          |
| mac_5n                     | OMIT                             |          |
| mac_4n                     | OMIT                             |          |
| mac_3n                     | OMIT                             |          |
| mac_2n                     | OMIT                             |          |
| mac_1n                     | OMIT                             |          |
| flst                       | OMIT                             |          |
| <b>Detailed Comments:</b>  |                                  |          |

| Structured Type Constraint |                                                              |          |
|----------------------------|--------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa1                                                    |          |
| <b>Structured Type:</b>    | FRQPARA                                                      |          |
| <b>Derivation Path:</b>    |                                                              |          |
| <b>Comments:</b>           | Traffic channel for cell A, ARFCN = 124 hopping, for GSM900. |          |
| Element Name               | Element Value                                                | Comments |
| hch                        | '1'B                                                         |          |
| maio                       | '000000'B                                                    |          |
| hsn                        | '111111'B                                                    |          |
| spr                        | OMIT                                                         |          |
| arfcn                      | OMIT                                                         |          |
| maclength                  | '01'O                                                        |          |
| mac_8n                     | '00000001'B                                                  |          |
| mac_7n                     | OMIT                                                         |          |
| mac_6n                     | OMIT                                                         |          |
| mac_5n                     | OMIT                                                         |          |
| mac_4n                     | OMIT                                                         |          |
| mac_3n                     | OMIT                                                         |          |
| mac_2n                     | OMIT                                                         |          |
| mac_1n                     | OMIT                                                         |          |
| flst                       | Frql_04                                                      |          |
| <b>Detailed Comments:</b>  |                                                              |          |

| Structured Type Constraint |                                                              |          |
|----------------------------|--------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa2                                                    |          |
| <b>Structured Type:</b>    | FRQPARA                                                      |          |
| <b>Derivation Path:</b>    | FreqTCHa1.                                                   |          |
| <b>Comments:</b>           | Traffic channel for cell A, ARFCN = 801 hopping, for DCS1800 |          |
| Element Name               | Element Value                                                | Comments |
| flst                       | Frql_05                                                      |          |
| <b>Detailed Comments:</b>  |                                                              |          |

| Structured Type Constraint |                                                             |          |
|----------------------------|-------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa3                                                   |          |
| <b>Structured Type:</b>    | FRQPARA                                                     |          |
| <b>Derivation Path:</b>    |                                                             |          |
| <b>Comments:</b>           | Traffic channel for cell A, ARFCN = 50 hopping, for GSM900. |          |
| Element Name               | Element Value                                               | Comments |
| hch                        | '1'B                                                        |          |
| maio                       | '000000'B                                                   |          |
| hsn                        | '000000'B                                                   |          |
| spr                        | OMIT                                                        |          |
| arfcn                      | OMIT                                                        |          |
| maclength                  | '01'O                                                       |          |
| mac_8n                     | '00000010'B                                                 |          |
| mac_7n                     | OMIT                                                        |          |
| mac_6n                     | OMIT                                                        |          |
| mac_5n                     | OMIT                                                        |          |
| mac_4n                     | OMIT                                                        |          |
| mac_3n                     | OMIT                                                        |          |
| mac_2n                     | OMIT                                                        |          |
| mac_1n                     | OMIT                                                        |          |
| flst                       | Frql_06                                                     |          |
| <b>Detailed Comments:</b>  |                                                             |          |



| Structured Type Constraint |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa4                                                         |          |
| <b>Structured Type:</b>    | FRQPARA                                                           |          |
| <b>Derivation Path:</b>    | FreqTCHa3.                                                        |          |
| <b>Comments:</b>           | Traffic channel for cell A, ARFCN = 650, 750 hopping, for DCS1800 |          |
| Element Name               | Element Value                                                     | Comments |
| flst                       | Frql_07                                                           |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| Structured Type Constraint |                                                             |          |
|----------------------------|-------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa5                                                   |          |
| <b>Structured Type:</b>    | FRQPARA                                                     |          |
| <b>Derivation Path:</b>    |                                                             |          |
| <b>Comments:</b>           | Traffic channel for cell A, hopping, GSM900 for TC_26_6_4_1 |          |
| Element Name               | Element Value                                               | Comments |
| hch                        | '1'B                                                        |          |
| maio                       | '000001'B                                                   |          |
| hsn                        | '000001'B                                                   |          |
| spr                        | OMIT                                                        |          |
| arfcn                      | OMIT                                                        |          |
| maclength                  | '02'O                                                       |          |
| mac_8n                     | '00000011'B                                                 |          |
| mac_7n                     | '11111111'B                                                 |          |
| mac_6n                     | OMIT                                                        |          |
| mac_5n                     | OMIT                                                        |          |
| mac_4n                     | OMIT                                                        |          |
| mac_3n                     | OMIT                                                        |          |
| mac_2n                     | OMIT                                                        |          |
| mac_1n                     | OMIT                                                        |          |
| flst                       | Frql_10                                                     |          |
| <b>Detailed Comments:</b>  |                                                             |          |

| Structured Type Constraint |                                                             |          |
|----------------------------|-------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa6                                                   |          |
| <b>Structured Type:</b>    | FRQPARA                                                     |          |
| <b>Derivation Path:</b>    |                                                             |          |
| <b>Comments:</b>           | Traffic channel for cell A, hopping, GSM900 for TC_26_6_4_1 |          |
| Element Name               | Element Value                                               | Comments |
| hch                        | '0'B                                                        |          |
| maio                       | OMIT                                                        |          |
| hsn                        | OMIT                                                        |          |
| spr                        | '00'B                                                       |          |
| arfcn                      | '0000010100'B                                               |          |
| maclength                  | '00'O                                                       |          |
| mac_8n                     | OMIT                                                        |          |
| mac_7n                     | OMIT                                                        |          |
| mac_6n                     | OMIT                                                        |          |
| mac_5n                     | OMIT                                                        |          |
| mac_4n                     | OMIT                                                        |          |
| mac_3n                     | OMIT                                                        |          |
| mac_2n                     | OMIT                                                        |          |
| mac_1n                     | OMIT                                                        |          |
| flst                       | OMIT                                                        |          |
| <b>Detailed Comments:</b>  |                                                             |          |

| Structured Type Constraint |                                                             |          |
|----------------------------|-------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa7                                                   |          |
| <b>Structured Type:</b>    | FRQPARA                                                     |          |
| <b>Derivation Path:</b>    |                                                             |          |
| <b>Comments:</b>           | Traffic channel for cell A, hopping, GSM900 for TC_26_6_4_1 |          |
| Element Name               | Element Value                                               | Comments |
| hch                        | '1'B                                                        |          |
| maio                       | '000011'B                                                   |          |
| hsn                        | '001000'B                                                   |          |
| spr                        | OMIT                                                        |          |
| arfcn                      | OMIT                                                        |          |
| maclength                  | '02'O                                                       |          |
| mac_8n                     | '00000111'B                                                 |          |
| mac_7n                     | '11100011'B                                                 |          |
| mac_6n                     | OMIT                                                        |          |
| mac_5n                     | OMIT                                                        |          |
| mac_4n                     | OMIT                                                        |          |
| mac_3n                     | OMIT                                                        |          |
| mac_2n                     | OMIT                                                        |          |
| mac_1n                     | OMIT                                                        |          |
| flst                       | Frql_11                                                     |          |
| <b>Detailed Comments:</b>  |                                                             |          |

| Structured Type Constraint |                                                             |          |
|----------------------------|-------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa8                                                   |          |
| <b>Structured Type:</b>    | FRQPARA                                                     |          |
| <b>Derivation Path:</b>    |                                                             |          |
| <b>Comments:</b>           | Traffic channel for cell A, hopping, GSM900 for TC_26_6_4_1 |          |
| Element Name               | Element Value                                               | Comments |
| hch                        | '0'B                                                        |          |
| maio                       | OMIT                                                        |          |
| hsn                        | OMIT                                                        |          |
| spr                        | '00'B                                                       |          |
| arfcn                      | '0000001010'B                                               |          |
| maclength                  | '00'O                                                       |          |
| mac_8n                     | OMIT                                                        |          |
| mac_7n                     | OMIT                                                        |          |
| mac_6n                     | OMIT                                                        |          |
| mac_5n                     | OMIT                                                        |          |
| mac_4n                     | OMIT                                                        |          |
| mac_3n                     | OMIT                                                        |          |
| mac_2n                     | OMIT                                                        |          |
| mac_1n                     | OMIT                                                        |          |
| flst                       | OMIT                                                        |          |
| <b>Detailed Comments:</b>  |                                                             |          |

| Structured Type Constraint |                                                             |          |
|----------------------------|-------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa9                                                   |          |
| <b>Structured Type:</b>    | FRQPARA                                                     |          |
| <b>Derivation Path:</b>    |                                                             |          |
| <b>Comments:</b>           | Traffic channel for cell A, hopping, GSM900 for TC_26_6_4_1 |          |
| Element Name               | Element Value                                               | Comments |
| hch                        | '1'B                                                        |          |
| maio                       | '000101'B                                                   |          |
| hsn                        | '000000'B                                                   |          |
| spr                        | OMIT                                                        |          |
| arfcn                      | OMIT                                                        |          |
| maclength                  | '01'O                                                       |          |
| mac_8n                     | '00111111'B                                                 |          |
| mac_7n                     | OMIT                                                        |          |
| mac_6n                     | OMIT                                                        |          |
| mac_5n                     | OMIT                                                        |          |
| mac_4n                     | OMIT                                                        |          |
| mac_3n                     | OMIT                                                        |          |
| mac_2n                     | OMIT                                                        |          |
| mac_1n                     | OMIT                                                        |          |
| flst                       | FrqI_08                                                     |          |
| <b>Detailed Comments:</b>  |                                                             |          |

| Structured Type Constraint |                                                             |          |
|----------------------------|-------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa10                                                  |          |
| <b>Structured Type:</b>    | FRQPARA                                                     |          |
| <b>Derivation Path:</b>    |                                                             |          |
| <b>Comments:</b>           | Traffic channel for cell A, hopping, GSM900 for TC_26_6_4_1 |          |
| Element Name               | Element Value                                               | Comments |
| hch                        | '0'B                                                        |          |
| maio                       | OMIT                                                        |          |
| hsn                        | OMIT                                                        |          |
| spr                        | '00'B                                                       |          |
| arfcn                      | '0000100010'B                                               |          |
| maclength                  | '00'O                                                       |          |
| mac_8n                     | OMIT                                                        |          |
| mac_7n                     | OMIT                                                        |          |
| mac_6n                     | OMIT                                                        |          |
| mac_5n                     | OMIT                                                        |          |
| mac_4n                     | OMIT                                                        |          |
| mac_3n                     | OMIT                                                        |          |
| mac_2n                     | OMIT                                                        |          |
| mac_1n                     | OMIT                                                        |          |
| flst                       | OMIT                                                        |          |
| <b>Detailed Comments:</b>  |                                                             |          |

| Structured Type Constraint |                                                             |          |
|----------------------------|-------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa11                                                  |          |
| <b>Structured Type:</b>    | FRQPARA                                                     |          |
| <b>Derivation Path:</b>    |                                                             |          |
| <b>Comments:</b>           | Traffic channel for cell A, hopping, GSM900 for TC_26_6_4_1 |          |
| Element Name               | Element Value                                               | Comments |
| hch                        | '1'B                                                        |          |
| maio                       | '000000'B                                                   |          |
| hsn                        | '101000'B                                                   |          |
| spr                        | OMIT                                                        |          |
| arfcn                      | OMIT                                                        |          |
| maclength                  | '01'O                                                       |          |
| mac_8n                     | '00000001'B                                                 |          |
| mac_7n                     | OMIT                                                        |          |
| mac_6n                     | OMIT                                                        |          |
| mac_5n                     | OMIT                                                        |          |
| mac_4n                     | OMIT                                                        |          |
| mac_3n                     | OMIT                                                        |          |
| mac_2n                     | OMIT                                                        |          |
| mac_1n                     | OMIT                                                        |          |
| flst                       | Frql_12                                                     |          |
| <b>Detailed Comments:</b>  |                                                             |          |

| Structured Type Constraint |                                                              |          |
|----------------------------|--------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa12                                                   |          |
| <b>Structured Type:</b>    | FRQPARA                                                      |          |
| <b>Derivation Path:</b>    |                                                              |          |
| <b>Comments:</b>           | Traffic channel for cell A, hopping, DCS1800 for TC_26_6_4_1 |          |
| Element Name               | Element Value                                                | Comments |
| hch                        | '1'B                                                         |          |
| maio                       | '000001'B                                                    |          |
| hsn                        | '000001'B                                                    |          |
| spr                        | OMIT                                                         |          |
| arfcn                      | OMIT                                                         |          |
| maclength                  | '02'O                                                        |          |
| mac_8n                     | '00000011'B                                                  |          |
| mac_7n                     | '11111111'B                                                  |          |
| mac_6n                     | OMIT                                                         |          |
| mac_5n                     | OMIT                                                         |          |
| mac_4n                     | OMIT                                                         |          |
| mac_3n                     | OMIT                                                         |          |
| mac_2n                     | OMIT                                                         |          |
| mac_1n                     | OMIT                                                         |          |
| flst                       | Frql_13                                                      |          |
| <b>Detailed Comments:</b>  |                                                              |          |

| Structured Type Constraint |                                                             |          |
|----------------------------|-------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa13                                                  |          |
| <b>Structured Type:</b>    | FRQPARA                                                     |          |
| <b>Derivation Path:</b>    |                                                             |          |
| <b>Comments:</b>           | Traffic channel for cell A, hopping, GSM900 for TC_26_6_4_1 |          |
| Element Name               | Element Value                                               | Comments |
| hch                        | '0'B                                                        |          |
| maio                       | OMIT                                                        |          |
| hsn                        | OMIT                                                        |          |
| spr                        | '00'B                                                       |          |
| arfcn                      | '1011101011'B                                               |          |
| maclength                  | '00'O                                                       |          |
| mac_8n                     | OMIT                                                        |          |
| mac_7n                     | OMIT                                                        |          |
| mac_6n                     | OMIT                                                        |          |
| mac_5n                     | OMIT                                                        |          |
| mac_4n                     | OMIT                                                        |          |
| mac_3n                     | OMIT                                                        |          |
| mac_2n                     | OMIT                                                        |          |
| mac_1n                     | OMIT                                                        |          |
| flst                       | OMIT                                                        |          |
| <b>Detailed Comments:</b>  |                                                             |          |

| Structured Type Constraint |                                                             |          |
|----------------------------|-------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa14                                                  |          |
| <b>Structured Type:</b>    | FRQPARA                                                     |          |
| <b>Derivation Path:</b>    |                                                             |          |
| <b>Comments:</b>           | Traffic channel for cell A, hopping, GSM900 for TC_26_6_4_1 |          |
| Element Name               | Element Value                                               | Comments |
| hch                        | '1'B                                                        |          |
| maio                       | '000011'B                                                   |          |
| hsn                        | '001000'B                                                   |          |
| spr                        | OMIT                                                        |          |
| arfcn                      | OMIT                                                        |          |
| maclength                  | '02'O                                                       |          |
| mac_8n                     | '00000001'B                                                 |          |
| mac_7n                     | '11000111'B                                                 |          |
| mac_6n                     | OMIT                                                        |          |
| mac_5n                     | OMIT                                                        |          |
| mac_4n                     | OMIT                                                        |          |
| mac_3n                     | OMIT                                                        |          |
| mac_2n                     | OMIT                                                        |          |
| mac_1n                     | OMIT                                                        |          |
| flst                       | Frql_14                                                     |          |
| <b>Detailed Comments:</b>  |                                                             |          |

| Structured Type Constraint |                                                              |          |
|----------------------------|--------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa15                                                   |          |
| <b>Structured Type:</b>    | FRQPARA                                                      |          |
| <b>Derivation Path:</b>    |                                                              |          |
| <b>Comments:</b>           | Traffic channel for cell A, hopping, DCS1800 for TC_26_6_4_1 |          |
| Element Name               | Element Value                                                | Comments |
| hch                        | '0'B                                                         |          |
| maio                       | OMIT                                                         |          |
| hsn                        | OMIT                                                         |          |
| spr                        | '00'B                                                        |          |
| arfcn                      | '1011011110'B                                                |          |
| maclength                  | '00'O                                                        |          |
| mac_8n                     | OMIT                                                         |          |
| mac_7n                     | OMIT                                                         |          |
| mac_6n                     | OMIT                                                         |          |
| mac_5n                     | OMIT                                                         |          |
| mac_4n                     | OMIT                                                         |          |
| mac_3n                     | OMIT                                                         |          |
| mac_2n                     | OMIT                                                         |          |
| mac_1n                     | OMIT                                                         |          |
| flst                       | OMIT                                                         |          |
| <b>Detailed Comments:</b>  |                                                              |          |

| Structured Type Constraint |                                                             |          |
|----------------------------|-------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa16                                                  |          |
| <b>Structured Type:</b>    | FRQPARA                                                     |          |
| <b>Derivation Path:</b>    |                                                             |          |
| <b>Comments:</b>           | Traffic channel for cell A, hopping, GSM900 for TC_26_6_4_1 |          |
| Element Name               | Element Value                                               | Comments |
| hch                        | '1'B                                                        |          |
| maio                       | '000101'B                                                   |          |
| hsn                        | '000000'B                                                   |          |
| spr                        | OMIT                                                        |          |
| arfcn                      | OMIT                                                        |          |
| maclength                  | '01'O                                                       |          |
| mac_8n                     | '00111111'B                                                 |          |
| mac_7n                     | OMIT                                                        |          |
| mac_6n                     | OMIT                                                        |          |
| mac_5n                     | OMIT                                                        |          |
| mac_4n                     | OMIT                                                        |          |
| mac_3n                     | OMIT                                                        |          |
| mac_2n                     | OMIT                                                        |          |
| mac_1n                     | OMIT                                                        |          |
| flst                       | Frql_09                                                     |          |
| <b>Detailed Comments:</b>  |                                                             |          |

| Structured Type Constraint |                                                              |          |
|----------------------------|--------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa17                                                   |          |
| <b>Structured Type:</b>    | FRQPARA                                                      |          |
| <b>Derivation Path:</b>    |                                                              |          |
| <b>Comments:</b>           | Traffic channel for cell A, hopping, DCS1800 for TC_26_6_4_1 |          |
| Element Name               | Element Value                                                | Comments |
| hch                        | '0'B                                                         |          |
| maio                       | OMIT                                                         |          |
| hsn                        | OMIT                                                         |          |
| spr                        | '00'B                                                        |          |
| arfcn                      | '1011110111'B                                                |          |
| maclength                  | '00'O                                                        |          |
| mac_8n                     | OMIT                                                         |          |
| mac_7n                     | OMIT                                                         |          |
| mac_6n                     | OMIT                                                         |          |
| mac_5n                     | OMIT                                                         |          |
| mac_4n                     | OMIT                                                         |          |
| mac_3n                     | OMIT                                                         |          |
| mac_2n                     | OMIT                                                         |          |
| mac_1n                     | OMIT                                                         |          |
| flst                       | OMIT                                                         |          |
| <b>Detailed Comments:</b>  |                                                              |          |

| Structured Type Constraint |                                                              |          |
|----------------------------|--------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa18                                                   |          |
| <b>Structured Type:</b>    | FRQPARA                                                      |          |
| <b>Derivation Path:</b>    |                                                              |          |
| <b>Comments:</b>           | Traffic channel for cell A, hopping, DCS1800 for TC_26_6_4_1 |          |
| Element Name               | Element Value                                                | Comments |
| hch                        | '1'B                                                         |          |
| maio                       | '000000'B                                                    |          |
| hsn                        | '101000'B                                                    |          |
| spr                        | OMIT                                                         |          |
| arfcn                      | OMIT                                                         |          |
| maclength                  | '01'O                                                        |          |
| mac_8n                     | '00000001'B                                                  |          |
| mac_7n                     | OMIT                                                         |          |
| mac_6n                     | OMIT                                                         |          |
| mac_5n                     | OMIT                                                         |          |
| mac_4n                     | OMIT                                                         |          |
| mac_3n                     | OMIT                                                         |          |
| mac_2n                     | OMIT                                                         |          |
| mac_1n                     | OMIT                                                         |          |
| flst                       | Frql_15                                                      |          |
| <b>Detailed Comments:</b>  |                                                              |          |

| Structured Type Constraint |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCH_ef1(par_ma: BITSTRING; par_freqlist: OCTETSTRING; par_flist: OCTETSTRING) |          |
| <b>Structured Type:</b>    | FRQPARA                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                   |          |
| <b>Comments:</b>           | Broadcast channel of cell A for EGSM.                                             |          |
| Element Name               | Element Value                                                                     | Comments |
| hch                        | '1'B                                                                              |          |
| maio                       | TSPX_MAIO                                                                         |          |
| hsn                        | TSPX_HSN                                                                          |          |
| spr                        | OMIT                                                                              |          |
| arfcn                      | OMIT                                                                              |          |
| maclength                  | '01'O                                                                             |          |
| mac_8n                     | par_ma                                                                            |          |
| mac_7n                     | OMIT                                                                              |          |
| mac_6n                     | OMIT                                                                              |          |
| mac_5n                     | OMIT                                                                              |          |
| mac_4n                     | OMIT                                                                              |          |
| mac_3n                     | OMIT                                                                              |          |
| mac_2n                     | OMIT                                                                              |          |
| mac_1n                     | OMIT                                                                              |          |
| flist                      | Frql_20_egsm(par_freqlist, par_flistl)                                            |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| Structured Type Constraint |                                                                                                         |          |
|----------------------------|---------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCH_ef2(par_ma1: BITSTRING; par_ma2: BITSTRING; par_freqlist: OCTETSTRING; par_flistl: OCTETSTRING) |          |
| <b>Structured Type:</b>    | FRQPARA                                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                                         |          |
| <b>Comments:</b>           | Broadcast channel of cell A for EGSM.                                                                   |          |
| Element Name               | Element Value                                                                                           | Comments |
| hch                        | '1'B                                                                                                    |          |
| maio                       | TSPX_MAIO                                                                                               |          |
| hsn                        | TSPX_HSN                                                                                                |          |
| spr                        | OMIT                                                                                                    |          |
| arfcn                      | OMIT                                                                                                    |          |
| maclength                  | '02'O                                                                                                   |          |
| mac_8n                     | par_ma1                                                                                                 |          |
| mac_7n                     | par_ma2                                                                                                 |          |
| mac_6n                     | OMIT                                                                                                    |          |
| mac_5n                     | OMIT                                                                                                    |          |
| mac_4n                     | OMIT                                                                                                    |          |
| mac_3n                     | OMIT                                                                                                    |          |
| mac_2n                     | OMIT                                                                                                    |          |
| mac_1n                     | OMIT                                                                                                    |          |
| flist                      | Frql_20_egsm(par_freqlist, par_flistl)                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                         |          |



| Structured Type Constraint |                                                        |          |
|----------------------------|--------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa_ho                                            |          |
| <b>Structured Type:</b>    | FRQPARA                                                |          |
| <b>Derivation Path:</b>    |                                                        |          |
| <b>Comments:</b>           | Broadcast channel of cell A on C_arfcnA_HO for GSM900. |          |
| Element Name               | Element Value                                          | Comments |
| hch                        | '0'B                                                   |          |
| maio                       | OMIT                                                   |          |
| hsn                        | OMIT                                                   |          |
| spr                        | '00'B                                                  |          |
| arfcn                      | INT_TO_BIT(C_arfcnA_HO, 10)                            |          |
| maclength                  | '00'O                                                  |          |
| mac_8n                     | OMIT                                                   |          |
| mac_7n                     | OMIT                                                   |          |
| mac_6n                     | OMIT                                                   |          |
| mac_5n                     | OMIT                                                   |          |
| mac_4n                     | OMIT                                                   |          |
| mac_3n                     | OMIT                                                   |          |
| mac_2n                     | OMIT                                                   |          |
| mac_1n                     | OMIT                                                   |          |
| flst                       | OMIT                                                   |          |
| <b>Detailed Comments:</b>  |                                                        |          |

| Structured Type Constraint |                                                          |          |
|----------------------------|----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa_hod                                             |          |
| <b>Structured Type:</b>    | FRQPARA                                                  |          |
| <b>Derivation Path:</b>    |                                                          |          |
| <b>Comments:</b>           | Broadcast channel of cell A on C_arfcnA_HOd for DCS1800. |          |
| Element Name               | Element Value                                            | Comments |
| hch                        | '0'B                                                     |          |
| maio                       | OMIT                                                     |          |
| hsn                        | OMIT                                                     |          |
| spr                        | '00'B                                                    |          |
| arfcn                      | INT_TO_BIT(C_arfcnA_HOd, 10)                             |          |
| maclength                  | '00'O                                                    |          |
| mac_8n                     | OMIT                                                     |          |
| mac_7n                     | OMIT                                                     |          |
| mac_6n                     | OMIT                                                     |          |
| mac_5n                     | OMIT                                                     |          |
| mac_4n                     | OMIT                                                     |          |
| mac_3n                     | OMIT                                                     |          |
| mac_2n                     | OMIT                                                     |          |
| mac_1n                     | OMIT                                                     |          |
| flst                       | OMIT                                                     |          |
| <b>Detailed Comments:</b>  |                                                          |          |

| Structured Type Constraint |                                           |          |
|----------------------------|-------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa_hof1                             |          |
| <b>Structured Type:</b>    | FRQPARA                                   |          |
| <b>Derivation Path:</b>    |                                           |          |
| <b>Comments:</b>           | Broadcast channel of cell on A FrqI_20_A. |          |
| Element Name               | Element Value                             | Comments |
| hch                        | '1'B                                      |          |
| maio                       | TSPX_MAIO                                 |          |
| hsn                        | TSPX_HSN                                  |          |
| spr                        | OMIT                                      |          |
| arfcn                      | OMIT                                      |          |
| maclength                  | '02'O                                     |          |
| mac_8n                     | '00001111'B                               |          |
| mac_7n                     | '11111111'B                               |          |
| mac_6n                     | OMIT                                      |          |
| mac_5n                     | OMIT                                      |          |
| mac_4n                     | OMIT                                      |          |
| mac_3n                     | OMIT                                      |          |
| mac_2n                     | OMIT                                      |          |
| mac_1n                     | OMIT                                      |          |
| flst                       | FrqI_20_A                                 |          |
| <b>Detailed Comments:</b>  |                                           |          |

| Structured Type Constraint |                                                 |          |
|----------------------------|-------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa_hof1d                                  |          |
| <b>Structured Type:</b>    | FRQPARA                                         |          |
| <b>Derivation Path:</b>    |                                                 |          |
| <b>Comments:</b>           | Broadcast channel of cell A for hopping DCS1800 |          |
| Element Name               | Element Value                                   | Comments |
| hch                        | '1'B                                            |          |
| maio                       | TSPX_MAIO                                       |          |
| hsn                        | TSPX_HSN                                        |          |
| spr                        | OMIT                                            |          |
| arfcn                      | OMIT                                            |          |
| maclength                  | '02'O                                           |          |
| mac_8n                     | '00000001'B                                     |          |
| mac_7n                     | '11111111'B                                     |          |
| mac_6n                     | OMIT                                            |          |
| mac_5n                     | OMIT                                            |          |
| mac_4n                     | OMIT                                            |          |
| mac_3n                     | OMIT                                            |          |
| mac_2n                     | OMIT                                            |          |
| mac_1n                     | OMIT                                            |          |
| flst                       | FrqI_20_Ad                                      |          |
| <b>Detailed Comments:</b>  |                                                 |          |

| Structured Type Constraint |                                            |          |
|----------------------------|--------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa_hof2                              |          |
| <b>Structured Type:</b>    | FRQPARA                                    |          |
| <b>Derivation Path:</b>    |                                            |          |
| <b>Comments:</b>           | Broadcast channel of cell A on Frql_20_A2. |          |
| Element Name               | Element Value                              | Comments |
| hch                        | '1'B                                       |          |
| maio                       | '000000'B                                  |          |
| hsn                        | '111111'B                                  |          |
| spr                        | OMIT                                       |          |
| arfcn                      | OMIT                                       |          |
| maclength                  | '01'O                                      |          |
| mac_8n                     | '00000001'B                                |          |
| mac_7n                     | OMIT                                       |          |
| mac_6n                     | OMIT                                       |          |
| mac_5n                     | OMIT                                       |          |
| mac_4n                     | OMIT                                       |          |
| mac_3n                     | OMIT                                       |          |
| mac_2n                     | OMIT                                       |          |
| mac_1n                     | OMIT                                       |          |
| flst                       | Frql_20_A2                                 |          |
| <b>Detailed Comments:</b>  |                                            |          |

| Structured Type Constraint |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa_hof2d               |          |
| <b>Structured Type:</b>    | FRQPARA                      |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           | Broadcast channel of cell A. |          |
| Element Name               | Element Value                | Comments |
| hch                        | '1'B                         |          |
| maio                       | '000000'B                    |          |
| hsn                        | '111111'B                    |          |
| spr                        | OMIT                         |          |
| arfcn                      | OMIT                         |          |
| maclength                  | '01'O                        |          |
| mac_8n                     | OMIT                         |          |
| mac_7n                     | OMIT                         |          |
| mac_6n                     | OMIT                         |          |
| mac_5n                     | OMIT                         |          |
| mac_4n                     | OMIT                         |          |
| mac_3n                     | OMIT                         |          |
| mac_2n                     | OMIT                         |          |
| mac_1n                     | OMIT                         |          |
| flst                       | Frql_20_A2d                  |          |
| <b>Detailed Comments:</b>  |                              |          |

| Structured Type Constraint |                                                                                                                                                                 |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa_hof3                                                                                                                                                   |          |
| <b>Structured Type:</b>    | FRQPARA                                                                                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                 |          |
| <b>Comments:</b>           | Broadcast channel of cell A.<br>Indicates complete Cell Allocation of Cell A in HO cases.<br>ARFCN_list={10,17,20,26,34,42,45,46,52,59,66,73,74,75,76,108,114}. |          |
| Element Name               | Element Value                                                                                                                                                   | Comments |
| hch                        | '1'B                                                                                                                                                            |          |
| maio                       | TSPX_MAIO                                                                                                                                                       |          |
| hsn                        | TSPX_HSN                                                                                                                                                        |          |
| spr                        | OMIT                                                                                                                                                            |          |
| arfcn                      | OMIT                                                                                                                                                            |          |
| maclength                  | '03'O                                                                                                                                                           |          |
| mac_8n                     | '00000001'B                                                                                                                                                     |          |
| mac_7n                     | '11111111'B                                                                                                                                                     |          |
| mac_6n                     | '11111111'B                                                                                                                                                     |          |
| mac_5n                     | OMIT                                                                                                                                                            |          |
| mac_4n                     | OMIT                                                                                                                                                            |          |
| mac_3n                     | OMIT                                                                                                                                                            |          |
| mac_2n                     | OMIT                                                                                                                                                            |          |
| mac_1n                     | OMIT                                                                                                                                                            |          |
| flst                       | Frql_20_A0                                                                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                 |          |

| Structured Type Constraint |                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa_hof3d                                                                            |          |
| <b>Structured Type:</b>    | FRQPARA                                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                           |          |
| <b>Comments:</b>           | Broadcast channel of cell A.<br>Indicates complete Cell Allocation of Cell A in HO cases. |          |
| Element Name               | Element Value                                                                             | Comments |
| hch                        | '1'B                                                                                      |          |
| maio                       | TSPX_MAIO                                                                                 |          |
| hsn                        | TSPX_HSN                                                                                  |          |
| spr                        | OMIT                                                                                      |          |
| arfcn                      | OMIT                                                                                      |          |
| maclength                  | '03'O                                                                                     |          |
| mac_8n                     | '00000001'B                                                                               |          |
| mac_7n                     | '11111111'B                                                                               |          |
| mac_6n                     | '11111111'B                                                                               |          |
| mac_5n                     | OMIT                                                                                      |          |
| mac_4n                     | OMIT                                                                                      |          |
| mac_3n                     | OMIT                                                                                      |          |
| mac_2n                     | OMIT                                                                                      |          |
| mac_1n                     | OMIT                                                                                      |          |
| flst                       | Frql_20_A0d                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                           |          |

| Structured Type Constraint |                                                                                          |          |
|----------------------------|------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa_hof5                                                                            |          |
| <b>Structured Type:</b>    | FRQPARA                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                          |          |
| <b>Comments:</b>           | Broadcast channel of cell A.<br>Indicates 1f of Cell A in HO cases.<br>ARFCN_list={114}. |          |
| Element Name               | Element Value                                                                            | Comments |
| hch                        | '1'B                                                                                     |          |
| maio                       | TSPX_MAIO                                                                                |          |
| hsn                        | TSPX_HSN                                                                                 |          |
| spr                        | OMIT                                                                                     |          |
| arfcn                      | OMIT                                                                                     |          |
| maclength                  | '03'O                                                                                    |          |
| mac_8n                     | '00000001'B                                                                              |          |
| mac_7n                     | '00000000'B                                                                              |          |
| mac_6n                     | '00000000'B                                                                              |          |
| mac_5n                     | OMIT                                                                                     |          |
| mac_4n                     | OMIT                                                                                     |          |
| mac_3n                     | OMIT                                                                                     |          |
| mac_2n                     | OMIT                                                                                     |          |
| mac_1n                     | OMIT                                                                                     |          |
| flst                       | Frql_20_A0                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                          |          |

| Structured Type Constraint |                                                                                          |          |
|----------------------------|------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHa_hof5d                                                                           |          |
| <b>Structured Type:</b>    | FRQPARA                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                          |          |
| <b>Comments:</b>           | Broadcast channel of cell A.<br>Indicates 1f of Cell A in HO cases.<br>ARFCN_list={844}. |          |
| Element Name               | Element Value                                                                            | Comments |
| hch                        | '1'B                                                                                     |          |
| maio                       | TSPX_MAIO                                                                                |          |
| hsn                        | TSPX_HSN                                                                                 |          |
| spr                        | OMIT                                                                                     |          |
| arfcn                      | OMIT                                                                                     |          |
| maclength                  | '03'O                                                                                    |          |
| mac_8n                     | '00000001'B                                                                              |          |
| mac_7n                     | '00000000'B                                                                              |          |
| mac_6n                     | '00000000'B                                                                              |          |
| mac_5n                     | OMIT                                                                                     |          |
| mac_4n                     | OMIT                                                                                     |          |
| mac_3n                     | OMIT                                                                                     |          |
| mac_2n                     | OMIT                                                                                     |          |
| mac_1n                     | OMIT                                                                                     |          |
| flst                       | Frql_20_A0d                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                          |          |

| Structured Type Constraint |                                  |          |
|----------------------------|----------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHb                         |          |
| <b>Structured Type:</b>    | FRQPARA                          |          |
| <b>Derivation Path:</b>    | FreqTCHa.                        |          |
| <b>Comments:</b>           | Traffic channel for cell B       |          |
| Element Name               | Element Value                    | Comments |
| arfcn                      | INT_TO_BIT(TSPX_TCHcarrierB, 10) |          |
| <b>Detailed Comments:</b>  |                                  |          |

| Structured Type Constraint |                                                     |          |
|----------------------------|-----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHb_ho                                         |          |
| <b>Structured Type:</b>    | FRQPARA                                             |          |
| <b>Derivation Path:</b>    |                                                     |          |
| <b>Comments:</b>           | Broadcast channel of cell B for GSM900 and DCS1800. |          |
| Element Name               | Element Value                                       | Comments |
| hch                        | '0'B                                                |          |
| maio                       | OMIT                                                |          |
| hsn                        | OMIT                                                |          |
| spr                        | '00'B                                               |          |
| arfcn                      | INT_TO_BIT(TSPX_TCHcarrierB_ho, 10)                 |          |
| maclength                  | '00'O                                               |          |
| mac_8n                     | OMIT                                                |          |
| mac_7n                     | OMIT                                                |          |
| mac_6n                     | OMIT                                                |          |
| mac_5n                     | OMIT                                                |          |
| mac_4n                     | OMIT                                                |          |
| mac_3n                     | OMIT                                                |          |
| mac_2n                     | OMIT                                                |          |
| mac_1n                     | OMIT                                                |          |
| flst                       | OMIT                                                |          |
| <b>Detailed Comments:</b>  |                                                     |          |

| Structured Type Constraint |                                     |          |
|----------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHb_hod                        |          |
| <b>Structured Type:</b>    | FRQPARA                             |          |
| <b>Derivation Path:</b>    |                                     |          |
| <b>Comments:</b>           | Broadcast channel of cell B.        |          |
| Element Name               | Element Value                       | Comments |
| hch                        | '0'B                                |          |
| maio                       | OMIT                                |          |
| hsn                        | OMIT                                |          |
| spr                        | '00'B                               |          |
| arfcn                      | INT_TO_BIT(TSPX_TCHcarrierB_ho, 10) |          |
| maclength                  | '00'O                               |          |
| mac_8n                     | OMIT                                |          |
| mac_7n                     | OMIT                                |          |
| mac_6n                     | OMIT                                |          |
| mac_5n                     | OMIT                                |          |
| mac_4n                     | OMIT                                |          |
| mac_3n                     | OMIT                                |          |
| mac_2n                     | OMIT                                |          |
| mac_1n                     | OMIT                                |          |
| flst                       | OMIT                                |          |
| <b>Detailed Comments:</b>  |                                     |          |

| Structured Type Constraint |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHb_hof1                |          |
| <b>Structured Type:</b>    | FRQPARA                      |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           | Broadcast channel of cell B. |          |
| Element Name               | Element Value                | Comments |
| hch                        | '1'B                         |          |
| maio                       | TSPX_MAIO                    |          |
| hsn                        | TSPX_HSN                     |          |
| spr                        | OMIT                         |          |
| arfcn                      | OMIT                         |          |
| maclength                  | '02'O                        |          |
| mac_8n                     | '00001111'B                  |          |
| mac_7n                     | '11111111'B                  |          |
| mac_6n                     | OMIT                         |          |
| mac_5n                     | OMIT                         |          |
| mac_4n                     | OMIT                         |          |
| mac_3n                     | OMIT                         |          |
| mac_2n                     | OMIT                         |          |
| mac_1n                     | OMIT                         |          |
| flst                       | Frql_20_B3                   |          |
| <b>Detailed Comments:</b>  |                              |          |

| Structured Type Constraint |                                                 |          |
|----------------------------|-------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHb_hof1d                                  |          |
| <b>Structured Type:</b>    | FRQPARA                                         |          |
| <b>Derivation Path:</b>    |                                                 |          |
| <b>Comments:</b>           | Broadcast channel of cell B for hopping DCS1800 |          |
| Element Name               | Element Value                                   | Comments |
| hch                        | '1'B                                            |          |
| maio                       | TSPX_MAIO                                       |          |
| hsn                        | TSPX_HSN                                        |          |
| spr                        | OMIT                                            |          |
| arfcn                      | OMIT                                            |          |
| maclength                  | '02'O                                           |          |
| mac_8n                     | '00000111'B                                     |          |
| mac_7n                     | '11111111'B                                     |          |
| mac_6n                     | OMIT                                            |          |
| mac_5n                     | OMIT                                            |          |
| mac_4n                     | OMIT                                            |          |
| mac_3n                     | OMIT                                            |          |
| mac_2n                     | OMIT                                            |          |
| mac_1n                     | OMIT                                            |          |
| flst                       | Frql_20_B3d                                     |          |
| <b>Detailed Comments:</b>  |                                                 |          |

| Structured Type Constraint |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHb_hof2                |          |
| <b>Structured Type:</b>    | FRQPARA                      |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           | Broadcast channel of cell B. |          |
| Element Name               | Element Value                | Comments |
| hch                        | '1'B                         |          |
| maio                       | TSPX_MAIO                    |          |
| hsn                        | TSPX_HSN                     |          |
| spr                        | OMIT                         |          |
| arfcn                      | OMIT                         |          |
| maclength                  | '01'O                        |          |
| mac_8n                     | '11111111'B                  |          |
| mac_7n                     | OMIT                         |          |
| mac_6n                     | OMIT                         |          |
| mac_5n                     | OMIT                         |          |
| mac_4n                     | OMIT                         |          |
| mac_3n                     | OMIT                         |          |
| mac_2n                     | OMIT                         |          |
| mac_1n                     | OMIT                         |          |
| flst                       | Frql_20_B4                   |          |
| <b>Detailed Comments:</b>  |                              |          |

| Structured Type Constraint |                                                 |          |
|----------------------------|-------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHb_hof2d                                  |          |
| <b>Structured Type:</b>    | FRQPARA                                         |          |
| <b>Derivation Path:</b>    |                                                 |          |
| <b>Comments:</b>           | Broadcast channel of cell B for hopping DCS1800 |          |
| Element Name               | Element Value                                   | Comments |
| hch                        | '1'B                                            |          |
| maio                       | TSPX_MAIO                                       |          |
| hsn                        | TSPX_HSN                                        |          |
| spr                        | OMIT                                            |          |
| arfcn                      | OMIT                                            |          |
| maclength                  | '01'O                                           |          |
| mac_8n                     | '11111111'B                                     |          |
| mac_7n                     | OMIT                                            |          |
| mac_6n                     | OMIT                                            |          |
| mac_5n                     | OMIT                                            |          |
| mac_4n                     | OMIT                                            |          |
| mac_3n                     | OMIT                                            |          |
| mac_2n                     | OMIT                                            |          |
| mac_1n                     | OMIT                                            |          |
| flst                       | Frql_20_B4d                                     |          |
| <b>Detailed Comments:</b>  |                                                 |          |



| Structured Type Constraint |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHb_hof3                |          |
| <b>Structured Type:</b>    | FRQPARA                      |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           | Broadcast channel of cell B. |          |
| Element Name               | Element Value                | Comments |
| hch                        | '1'B                         |          |
| maio                       | TSPX_MAIO                    |          |
| hsn                        | TSPX_HSN                     |          |
| spr                        | OMIT                         |          |
| arfcn                      | OMIT                         |          |
| maclength                  | '02'O                        |          |
| mac_8n                     | '01111111'B                  |          |
| mac_7n                     | '11111111'B                  |          |
| mac_6n                     | OMIT                         |          |
| mac_5n                     | OMIT                         |          |
| mac_4n                     | OMIT                         |          |
| mac_3n                     | OMIT                         |          |
| mac_2n                     | OMIT                         |          |
| mac_1n                     | OMIT                         |          |
| flst                       | Frql_20_B5                   |          |
| <b>Detailed Comments:</b>  |                              |          |

| Structured Type Constraint |                                                 |          |
|----------------------------|-------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHb_hof3d                                  |          |
| <b>Structured Type:</b>    | FRQPARA                                         |          |
| <b>Derivation Path:</b>    |                                                 |          |
| <b>Comments:</b>           | Broadcast channel of cell B for hopping DCS1800 |          |
| Element Name               | Element Value                                   | Comments |
| hch                        | '1'B                                            |          |
| maio                       | TSPX_MAIO                                       |          |
| hsn                        | TSPX_HSN                                        |          |
| spr                        | OMIT                                            |          |
| arfcn                      | OMIT                                            |          |
| maclength                  | '01'O                                           |          |
| mac_8n                     | '11111111'B                                     |          |
| mac_7n                     | OMIT                                            |          |
| mac_6n                     | OMIT                                            |          |
| mac_5n                     | OMIT                                            |          |
| mac_4n                     | OMIT                                            |          |
| mac_3n                     | OMIT                                            |          |
| mac_2n                     | OMIT                                            |          |
| mac_1n                     | OMIT                                            |          |
| flst                       | Frql_20_B5d                                     |          |
| <b>Detailed Comments:</b>  |                                                 |          |

| Structured Type Constraint |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHb_hof4                |          |
| <b>Structured Type:</b>    | FRQPARA                      |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           | Broadcast channel of cell B. |          |
| Element Name               | Element Value                | Comments |
| hch                        | '1'B                         |          |
| maio                       | TSPX_MAIO                    |          |
| hsn                        | TSPX_HSN                     |          |
| spr                        | OMIT                         |          |
| arfcn                      | OMIT                         |          |
| maclength                  | '01'O                        |          |
| mac_8n                     | '00011100'B                  |          |
| mac_7n                     | OMIT                         |          |
| mac_6n                     | OMIT                         |          |
| mac_5n                     | OMIT                         |          |
| mac_4n                     | OMIT                         |          |
| mac_3n                     | OMIT                         |          |
| mac_2n                     | OMIT                         |          |
| mac_1n                     | OMIT                         |          |
| flst                       | Frql_20_B6                   |          |
| <b>Detailed Comments:</b>  |                              |          |

| Structured Type Constraint |                                                                              |          |
|----------------------------|------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHb_hof4d                                                               |          |
| <b>Structured Type:</b>    | FRQPARA                                                                      |          |
| <b>Derivation Path:</b>    |                                                                              |          |
| <b>Comments:</b>           | Broadcast channel of cell B for hopping DCS1800<br>In MA used: 791, 798, 829 |          |
| Element Name               | Element Value                                                                | Comments |
| hch                        | '1'B                                                                         |          |
| maio                       | TSPX_MAIO                                                                    |          |
| hsn                        | TSPX_HSN                                                                     |          |
| spr                        | OMIT                                                                         |          |
| arfcn                      | OMIT                                                                         |          |
| maclength                  | '02'O                                                                        |          |
| mac_8n                     | '00000000'B                                                                  |          |
| mac_7n                     | '11100000'B                                                                  |          |
| mac_6n                     | OMIT                                                                         |          |
| mac_5n                     | OMIT                                                                         |          |
| mac_4n                     | OMIT                                                                         |          |
| mac_3n                     | OMIT                                                                         |          |
| mac_2n                     | OMIT                                                                         |          |
| mac_1n                     | OMIT                                                                         |          |
| flst                       | Frql_20_B6d                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                              |          |

| Structured Type Constraint |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHb_hof5                |          |
| <b>Structured Type:</b>    | FRQPARA                      |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           | Broadcast channel of cell B. |          |
| Element Name               | Element Value                | Comments |
| hch                        | '1'B                         |          |
| maio                       | TSPX_MAIO                    |          |
| hsn                        | TSPX_HSN                     |          |
| spr                        | OMIT                         |          |
| arfcn                      | OMIT                         |          |
| maclength                  | '02'O                        |          |
| mac_8n                     | '11111111'B                  |          |
| mac_7n                     | '11111111'B                  |          |
| mac_6n                     | OMIT                         |          |
| mac_5n                     | OMIT                         |          |
| mac_4n                     | OMIT                         |          |
| mac_3n                     | OMIT                         |          |
| mac_2n                     | OMIT                         |          |
| mac_1n                     | OMIT                         |          |
| flst                       | Frql_20_B0                   |          |
| <b>Detailed Comments:</b>  |                              |          |

| Structured Type Constraint |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHb_hof5d               |          |
| <b>Structured Type:</b>    | FRQPARA                      |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           | Broadcast channel of cell B. |          |
| Element Name               | Element Value                | Comments |
| hch                        | '1'B                         |          |
| maio                       | TSPX_MAIO                    |          |
| hsn                        | TSPX_HSN                     |          |
| spr                        | OMIT                         |          |
| arfcn                      | OMIT                         |          |
| maclength                  | '02'O                        |          |
| mac_8n                     | '00000001'B                  |          |
| mac_7n                     | '11111111'B                  |          |
| mac_6n                     | OMIT                         |          |
| mac_5n                     | OMIT                         |          |
| mac_4n                     | OMIT                         |          |
| mac_3n                     | OMIT                         |          |
| mac_2n                     | OMIT                         |          |
| mac_1n                     | OMIT                         |          |
| flst                       | Frql_20_B9d                  |          |
| <b>Detailed Comments:</b>  |                              |          |

| Structured Type Constraint |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHb_hof6                |          |
| <b>Structured Type:</b>    | FRQPARA                      |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           | Broadcast channel of cell B. |          |
| Element Name               | Element Value                | Comments |
| hch                        | '1'B                         |          |
| maio                       | TSPX_MAIO                    |          |
| hsn                        | TSPX_HSN                     |          |
| spr                        | OMIT                         |          |
| arfcn                      | OMIT                         |          |
| maclength                  | '02'O                        |          |
| mac_8n                     | '10000000'B                  |          |
| mac_7n                     | '00000001'B                  |          |
| mac_6n                     | OMIT                         |          |
| mac_5n                     | OMIT                         |          |
| mac_4n                     | OMIT                         |          |
| mac_3n                     | OMIT                         |          |
| mac_2n                     | OMIT                         |          |
| mac_1n                     | OMIT                         |          |
| flst                       | Frql_20_B0                   |          |
| <b>Detailed Comments:</b>  |                              |          |

| Structured Type Constraint |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHb_hof6d               |          |
| <b>Structured Type:</b>    | FRQPARA                      |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           | Broadcast channel of cell B. |          |
| Element Name               | Element Value                | Comments |
| hch                        | '1'B                         |          |
| maio                       | TSPX_MAIO                    |          |
| hsn                        | TSPX_HSN                     |          |
| spr                        | OMIT                         |          |
| arfcn                      | OMIT                         |          |
| maclength                  | '02'O                        |          |
| mac_8n                     | '10000000'B                  |          |
| mac_7n                     | '10000000'B                  |          |
| mac_6n                     | OMIT                         |          |
| mac_5n                     | OMIT                         |          |
| mac_4n                     | OMIT                         |          |
| mac_3n                     | OMIT                         |          |
| mac_2n                     | OMIT                         |          |
| mac_1n                     | OMIT                         |          |
| flst                       | Frql_20_B8d                  |          |
| <b>Detailed Comments:</b>  |                              |          |

| Structured Type Constraint |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHb_hof7                |          |
| <b>Structured Type:</b>    | FRQPARA                      |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           | Broadcast channel of cell B. |          |
| Element Name               | Element Value                | Comments |
| hch                        | '1'B                         |          |
| maio                       | TSPX_MAIO                    |          |
| hsn                        | TSPX_HSN                     |          |
| spr                        | OMIT                         |          |
| arfcn                      | OMIT                         |          |
| maclength                  | '02'O                        |          |
| mac_8n                     | '10000000'B                  |          |
| mac_7n                     | '10000000'B                  |          |
| mac_6n                     | OMIT                         |          |
| mac_5n                     | OMIT                         |          |
| mac_4n                     | OMIT                         |          |
| mac_3n                     | OMIT                         |          |
| mac_2n                     | OMIT                         |          |
| mac_1n                     | OMIT                         |          |
| flst                       | Frql_20_B0                   |          |
| <b>Detailed Comments:</b>  |                              |          |

| Structured Type Constraint |                                                                                                                |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHb_hof7d                                                                                                 |          |
| <b>Structured Type:</b>    | FRQPARA                                                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                                                |          |
| <b>Comments:</b>           | Broadcast channel of cell B.<br>List_ARFCN= complete cell allocation of cell B in HO cases with except of 761. |          |
| Element Name               | Element Value                                                                                                  | Comments |
| hch                        | '1'B                                                                                                           |          |
| maio                       | TSPX_MAIO                                                                                                      |          |
| hsn                        | TSPX_HSN                                                                                                       |          |
| spr                        | OMIT                                                                                                           |          |
| arfcn                      | OMIT                                                                                                           |          |
| maclength                  | '02'O                                                                                                          |          |
| mac_8n                     | '11111111'B                                                                                                    |          |
| mac_7n                     | '10111111'B                                                                                                    |          |
| mac_6n                     | OMIT                                                                                                           |          |
| mac_5n                     | OMIT                                                                                                           |          |
| mac_4n                     | OMIT                                                                                                           |          |
| mac_3n                     | OMIT                                                                                                           |          |
| mac_2n                     | OMIT                                                                                                           |          |
| mac_1n                     | OMIT                                                                                                           |          |
| flst                       | Frql_20_B8d                                                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                                                |          |

| Structured Type Constraint |                                                                      |          |
|----------------------------|----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHb_hof8                                                        |          |
| <b>Structured Type:</b>    | FRQPARA                                                              |          |
| <b>Derivation Path:</b>    |                                                                      |          |
| <b>Comments:</b>           | Broadcast channel of cell B. Hopping on List_ARFCN={66, 75, 76, 108} |          |
| Element Name               | Element Value                                                        | Comments |
| hch                        | '1'B                                                                 |          |
| maio                       | TSPX_MAIO                                                            |          |
| hsn                        | TSPX_HSN                                                             |          |
| spr                        | OMIT                                                                 |          |
| arfcn                      | OMIT                                                                 |          |
| maclength                  | '02'O                                                                |          |
| mac_8n                     | '10110010'B                                                          |          |
| mac_7n                     | '00000000'B                                                          |          |
| mac_6n                     | OMIT                                                                 |          |
| mac_5n                     | OMIT                                                                 |          |
| mac_4n                     | OMIT                                                                 |          |
| mac_3n                     | OMIT                                                                 |          |
| mac_2n                     | OMIT                                                                 |          |
| mac_1n                     | OMIT                                                                 |          |
| flst                       | Frql_20_B0                                                           |          |
| <b>Detailed Comments:</b>  |                                                                      |          |

| Structured Type Constraint |                                                          |          |
|----------------------------|----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHb_hof8d                                           |          |
| <b>Structured Type:</b>    | FRQPARA                                                  |          |
| <b>Derivation Path:</b>    |                                                          |          |
| <b>Comments:</b>           | Broadcast channel of cell B.<br>List_ARFCN={758,761,771} |          |
| Element Name               | Element Value                                            | Comments |
| hch                        | '1'B                                                     |          |
| maio                       | TSPX_MAIO                                                |          |
| hsn                        | TSPX_HSN                                                 |          |
| spr                        | OMIT                                                     |          |
| arfcn                      | OMIT                                                     |          |
| maclength                  | '01'O                                                    |          |
| mac_8n                     | '00000111'B                                              |          |
| mac_7n                     | OMIT                                                     |          |
| mac_6n                     | OMIT                                                     |          |
| mac_5n                     | OMIT                                                     |          |
| mac_4n                     | OMIT                                                     |          |
| mac_3n                     | OMIT                                                     |          |
| mac_2n                     | OMIT                                                     |          |
| mac_1n                     | OMIT                                                     |          |
| flst                       | Frql_20_B12d                                             |          |
| <b>Detailed Comments:</b>  |                                                          |          |

| Structured Type Constraint |                                                                                     |          |
|----------------------------|-------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqTCHb_hof9d                                                                      |          |
| <b>Structured Type:</b>    | FRQPARA                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                     |          |
| <b>Comments:</b>           | hopping with all of f's from cell allocation of cell B with except of {764,832,844} |          |
| Element Name               | Element Value                                                                       | Comments |
| hch                        | '1'B                                                                                |          |
| maio                       | TSPX_MAIO                                                                           |          |
| hsn                        | TSPX_HSN                                                                            |          |
| spr                        | OMIT                                                                                |          |
| arfcn                      | OMIT                                                                                |          |
| maclength                  | '01'O                                                                               |          |
| mac_8n                     | '11111110'B                                                                         |          |
| mac_7n                     | '11111100'B                                                                         |          |
| mac_6n                     | OMIT                                                                                |          |
| mac_5n                     | OMIT                                                                                |          |
| mac_4n                     | OMIT                                                                                |          |
| mac_3n                     | OMIT                                                                                |          |
| mac_2n                     | OMIT                                                                                |          |
| mac_1n                     | OMIT                                                                                |          |
| flst                       | Frql_20_B0d                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                     |          |

| Structured Type Constraint |                                                                              |          |
|----------------------------|------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqSDCCHa_hof1                                                              |          |
| <b>Structured Type:</b>    | FRQPARA                                                                      |          |
| <b>Derivation Path:</b>    |                                                                              |          |
| <b>Comments:</b>           | hopping with<br>indicates to the ARFCN_list={73,74,75} of cell allocation A. |          |
| Element Name               | Element Value                                                                | Comments |
| hch                        | '1'B                                                                         |          |
| maio                       | TSPX_MAIO                                                                    |          |
| hsn                        | TSPX_HSN                                                                     |          |
| spr                        | OMIT                                                                         |          |
| arfcn                      | OMIT                                                                         |          |
| maclength                  | '03'O                                                                        |          |
| mac_8n                     | '00000000'B                                                                  |          |
| mac_7n                     | '00111000'B                                                                  |          |
| mac_6n                     | '00000000'B                                                                  |          |
| mac_5n                     | OMIT                                                                         |          |
| mac_4n                     | OMIT                                                                         |          |
| mac_3n                     | OMIT                                                                         |          |
| mac_2n                     | OMIT                                                                         |          |
| mac_1n                     | OMIT                                                                         |          |
| flst                       | Frql_20_A0                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                              |          |

| Structured Type Constraint |                                                                                                 |          |
|----------------------------|-------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqSDCCHa_hof1d                                                                                |          |
| <b>Structured Type:</b>    | FRQPARA                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                 |          |
| <b>Comments:</b>           | Broadcast channel of cell A.<br>indicates to the ARFCN_list={773,775,779} of cell allocation A. |          |
| Element Name               | Element Value                                                                                   | Comments |
| hch                        | '1'B                                                                                            |          |
| maio                       | TSPX_MAIO                                                                                       |          |
| hsn                        | TSPX_HSN                                                                                        |          |
| spr                        | OMIT                                                                                            |          |
| arfcn                      | OMIT                                                                                            |          |
| maclength                  | '03'O                                                                                           |          |
| mac_8n                     | '00000000'B                                                                                     |          |
| mac_7n                     | '00000111'B                                                                                     |          |
| mac_6n                     | '00000000'B                                                                                     |          |
| mac_5n                     | OMIT                                                                                            |          |
| mac_4n                     | OMIT                                                                                            |          |
| mac_3n                     | OMIT                                                                                            |          |
| mac_2n                     | OMIT                                                                                            |          |
| mac_1n                     | OMIT                                                                                            |          |
| flst                       | Frql_20_A0d                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                                 |          |

| Structured Type Constraint |                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqSDCCHa_hof2                                                                            |          |
| <b>Structured Type:</b>    | FRQPARA                                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                            |          |
| <b>Comments:</b>           | hopping with<br>indicates to the Complete Cell Allocation of cell A with except for BCCH-f |          |
| Element Name               | Element Value                                                                              | Comments |
| hch                        | '1'B                                                                                       |          |
| maio                       | TSPX_MAIO                                                                                  |          |
| hsn                        | TSPX_HSN                                                                                   |          |
| spr                        | OMIT                                                                                       |          |
| arfcn                      | OMIT                                                                                       |          |
| maclength                  | '03'O                                                                                      |          |
| mac_8n                     | '00000001'B                                                                                |          |
| mac_7n                     | '11111111'B                                                                                |          |
| mac_6n                     | '11111011'B                                                                                |          |
| mac_5n                     | OMIT                                                                                       |          |
| mac_4n                     | OMIT                                                                                       |          |
| mac_3n                     | OMIT                                                                                       |          |
| mac_2n                     | OMIT                                                                                       |          |
| mac_1n                     | OMIT                                                                                       |          |
| flst                       | Frql_20_A0                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                            |          |



| Structured Type Constraint |                                                                                                            |          |
|----------------------------|------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqSDCCHa_hof2d                                                                                           |          |
| <b>Structured Type:</b>    | FRQPARA                                                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                                            |          |
| <b>Comments:</b>           | Broadcast channel of cell A.<br>indicates to the Complete Cell Allocation of cell A with except for BCCH-f |          |
| Element Name               | Element Value                                                                                              | Comments |
| hch                        | '1'B                                                                                                       |          |
| maio                       | TSPX_MAIO                                                                                                  |          |
| hsn                        | TSPX_HSN                                                                                                   |          |
| spr                        | OMIT                                                                                                       |          |
| arfcn                      | OMIT                                                                                                       |          |
| maclength                  | '03'O                                                                                                      |          |
| mac_8n                     | '00000001'B                                                                                                |          |
| mac_7n                     | '11111111'B                                                                                                |          |
| mac_6n                     | '11111011'B                                                                                                |          |
| mac_5n                     | OMIT                                                                                                       |          |
| mac_4n                     | OMIT                                                                                                       |          |
| mac_3n                     | OMIT                                                                                                       |          |
| mac_2n                     | OMIT                                                                                                       |          |
| mac_1n                     | OMIT                                                                                                       |          |
| flst                       | Frql_20_A0d                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                            |          |

| Structured Type Constraint |                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqSDCCHa_hof3                                                                            |          |
| <b>Structured Type:</b>    | FRQPARA                                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                            |          |
| <b>Comments:</b>           | hopping with<br>indicates to the Complete Cell Allocation of cell A with except for BCCH-f |          |
| Element Name               | Element Value                                                                              | Comments |
| hch                        | '1'B                                                                                       |          |
| maio                       | TSPX_MAIO                                                                                  |          |
| hsn                        | '000000'B                                                                                  |          |
| spr                        | OMIT                                                                                       |          |
| arfcn                      | OMIT                                                                                       |          |
| maclength                  | '03'O                                                                                      |          |
| mac_8n                     | '00000001'B                                                                                |          |
| mac_7n                     | '11111110'B                                                                                |          |
| mac_6n                     | '11111011'B                                                                                |          |
| mac_5n                     | OMIT                                                                                       |          |
| mac_4n                     | OMIT                                                                                       |          |
| mac_3n                     | OMIT                                                                                       |          |
| mac_2n                     | OMIT                                                                                       |          |
| mac_1n                     | OMIT                                                                                       |          |
| flst                       | Frql_20_A0                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                            |          |

| Structured Type Constraint |                                                                                                            |          |
|----------------------------|------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqSDCCHa_hof3d                                                                                           |          |
| <b>Structured Type:</b>    | FRQPARA                                                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                                            |          |
| <b>Comments:</b>           | Broadcast channel of cell A.<br>indicates to the Complete Cell Allocation of cell A with except for BCCH-f |          |
| Element Name               | Element Value                                                                                              | Comments |
| hch                        | '1'B                                                                                                       |          |
| maio                       | TSPX_MAIO                                                                                                  |          |
| hsn                        | '000000'B                                                                                                  |          |
| spr                        | OMIT                                                                                                       |          |
| arfcn                      | OMIT                                                                                                       |          |
| maclength                  | '03'O                                                                                                      |          |
| mac_8n                     | '00000001'B                                                                                                |          |
| mac_7n                     | '11111111'B                                                                                                |          |
| mac_6n                     | '01111011'B                                                                                                |          |
| mac_5n                     | OMIT                                                                                                       |          |
| mac_4n                     | OMIT                                                                                                       |          |
| mac_3n                     | OMIT                                                                                                       |          |
| mac_2n                     | OMIT                                                                                                       |          |
| mac_1n                     | OMIT                                                                                                       |          |
| flst                       | Frql_20_A0d                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                            |          |

| Structured Type Constraint |                        |          |
|----------------------------|------------------------|----------|
| <b>Constraint Name:</b>    | FreqSDCCH8b_hof1       |          |
| <b>Structured Type:</b>    | FRQPARA                |          |
| <b>Derivation Path:</b>    |                        |          |
| <b>Comments:</b>           | hopping SDCCH8 channel |          |
| Element Name               | Element Value          | Comments |
| hch                        | '1'B                   |          |
| maio                       | TSPX_MAIO              |          |
| hsn                        | TSPX_HSN               |          |
| spr                        | OMIT                   |          |
| arfcn                      | OMIT                   |          |
| maclength                  | '01'O                  |          |
| mac_8n                     | '00000011'B            |          |
| mac_7n                     | OMIT                   |          |
| mac_6n                     | OMIT                   |          |
| mac_5n                     | OMIT                   |          |
| mac_4n                     | OMIT                   |          |
| mac_3n                     | OMIT                   |          |
| mac_2n                     | OMIT                   |          |
| mac_1n                     | OMIT                   |          |
| flst                       | Frql_20_B7             |          |
| <b>Detailed Comments:</b>  |                        |          |

| Structured Type Constraint |                        |          |
|----------------------------|------------------------|----------|
| <b>Constraint Name:</b>    | FreqSDCCH8b_hof1d      |          |
| <b>Structured Type:</b>    | FRQPARA                |          |
| <b>Derivation Path:</b>    |                        |          |
| <b>Comments:</b>           | hopping SDCCH8 channel |          |
| Element Name               | Element Value          | Comments |
| hch                        | '1'B                   |          |
| maio                       | TSPX_MAIO              |          |
| hsn                        | '000000'B              |          |
| spr                        | OMIT                   |          |
| arfcn                      | OMIT                   |          |
| maclength                  | '01'O                  |          |
| mac_8n                     | '00000011'B            |          |
| mac_7n                     | OMIT                   |          |
| mac_6n                     | OMIT                   |          |
| mac_5n                     | OMIT                   |          |
| mac_4n                     | OMIT                   |          |
| mac_3n                     | OMIT                   |          |
| mac_2n                     | OMIT                   |          |
| mac_1n                     | OMIT                   |          |
| flst                       | Frql_20_B7d            |          |
| <b>Detailed Comments:</b>  |                        |          |

| Structured Type Constraint |                        |          |
|----------------------------|------------------------|----------|
| <b>Constraint Name:</b>    | FreqSDCCH8b_hof2       |          |
| <b>Structured Type:</b>    | FRQPARA                |          |
| <b>Derivation Path:</b>    |                        |          |
| <b>Comments:</b>           | hopping SDCCH8 channel |          |
| Element Name               | Element Value          | Comments |
| hch                        | '1'B                   |          |
| maio                       | TSPX_MAIO              |          |
| hsn                        | TSPX_HSN               |          |
| spr                        | OMIT                   |          |
| arfcn                      | OMIT                   |          |
| maclength                  | '02'O                  |          |
| mac_8n                     | '01111111'B            |          |
| mac_7n                     | '11111111'B            |          |
| mac_6n                     | OMIT                   |          |
| mac_5n                     | OMIT                   |          |
| mac_4n                     | OMIT                   |          |
| mac_3n                     | OMIT                   |          |
| mac_2n                     | OMIT                   |          |
| mac_1n                     | OMIT                   |          |
| flst                       | Frql_20_B72            |          |
| <b>Detailed Comments:</b>  |                        |          |

| Structured Type Constraint |                                                                                       |          |
|----------------------------|---------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqSDCCH8b_hof2d                                                                     |          |
| <b>Structured Type:</b>    | FRQPARA                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                       |          |
| <b>Comments:</b>           | hopping SDCCH8 channel<br>indicates complete cell allocation of cell B in 512 format. |          |
| Element Name               | Element Value                                                                         | Comments |
| hch                        | '1'B                                                                                  |          |
| maio                       | TSPX_MAIO                                                                             |          |
| hsn                        | '000000'B                                                                             |          |
| spr                        | OMIT                                                                                  |          |
| arfcn                      | OMIT                                                                                  |          |
| maclength                  | '02'O                                                                                 |          |
| mac_8n                     | '11111111'B                                                                           |          |
| mac_7n                     | '11111111'B                                                                           |          |
| mac_6n                     | OMIT                                                                                  |          |
| mac_5n                     | OMIT                                                                                  |          |
| mac_4n                     | OMIT                                                                                  |          |
| mac_3n                     | OMIT                                                                                  |          |
| mac_2n                     | OMIT                                                                                  |          |
| mac_1n                     | OMIT                                                                                  |          |
| flst                       | Frql_20_B0d                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                       |          |

| Structured Type Constraint |                                                                     |          |
|----------------------------|---------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqSDCCH8b_hof3                                                    |          |
| <b>Structured Type:</b>    | FRQPARA                                                             |          |
| <b>Derivation Path:</b>    |                                                                     |          |
| <b>Comments:</b>           | hopping SDCCH8 channel including complete cell allocatio of cell B. |          |
| Element Name               | Element Value                                                       | Comments |
| hch                        | '1'B                                                                |          |
| maio                       | TSPX_MAIO                                                           |          |
| hsn                        | '000000'B                                                           |          |
| spr                        | OMIT                                                                |          |
| arfcn                      | OMIT                                                                |          |
| maclength                  | '02'O                                                               |          |
| mac_8n                     | '11111111'B                                                         |          |
| mac_7n                     | '11111111'B                                                         |          |
| mac_6n                     | OMIT                                                                |          |
| mac_5n                     | OMIT                                                                |          |
| mac_4n                     | OMIT                                                                |          |
| mac_3n                     | OMIT                                                                |          |
| mac_2n                     | OMIT                                                                |          |
| mac_1n                     | OMIT                                                                |          |
| flst                       | Frql_20_B0                                                          |          |
| <b>Detailed Comments:</b>  |                                                                     |          |

| Structured Type Constraint |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqSDCCH8_rg1                                   |          |
| <b>Structured Type:</b>    | FRQPARA                                          |          |
| <b>Derivation Path:</b>    |                                                  |          |
| <b>Comments:</b>           | hopping SDCCH8 channel of TC_26_6_13_1 for GSM . |          |
| Element Name               | Element Value                                    | Comments |
| hch                        | '1'B                                             |          |
| maio                       | TSPX_Maio1                                       |          |
| hsn                        | TSPX_Hsn1                                        |          |
| spr                        | OMIT                                             |          |
| arfcn                      | OMIT                                             |          |
| maclength                  | '01'O                                            |          |
| mac_8n                     | TSPX_Ma1                                         |          |
| mac_7n                     | OMIT                                             |          |
| mac_6n                     | OMIT                                             |          |
| mac_5n                     | OMIT                                             |          |
| mac_4n                     | OMIT                                             |          |
| mac_3n                     | OMIT                                             |          |
| mac_2n                     | OMIT                                             |          |
| mac_1n                     | OMIT                                             |          |
| flst                       | Frql_16                                          |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| Structured Type Constraint |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqSDCCH8_rg2                                   |          |
| <b>Structured Type:</b>    | FRQPARA                                          |          |
| <b>Derivation Path:</b>    |                                                  |          |
| <b>Comments:</b>           | hopping SDCCH8 channel of TC_26_6_13_2 for GSM . |          |
| Element Name               | Element Value                                    | Comments |
| hch                        | '1'B                                             |          |
| maio                       | TSPX_Maio4                                       |          |
| hsn                        | TSPX_Hsn4                                        |          |
| spr                        | OMIT                                             |          |
| arfcn                      | OMIT                                             |          |
| maclength                  | '01'O                                            |          |
| mac_8n                     | TSPX_Ma4                                         |          |
| mac_7n                     | OMIT                                             |          |
| mac_6n                     | OMIT                                             |          |
| mac_5n                     | OMIT                                             |          |
| mac_4n                     | OMIT                                             |          |
| mac_3n                     | OMIT                                             |          |
| mac_2n                     | OMIT                                             |          |
| mac_1n                     | OMIT                                             |          |
| flst                       | Frql_16                                          |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| Structured Type Constraint |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqSDCCH8_rd1                                   |          |
| <b>Structured Type:</b>    | FRQPARA                                          |          |
| <b>Derivation Path:</b>    | FreqSDCCH8_rg1.                                  |          |
| <b>Comments:</b>           | hopping SDCCH8 channel of TC_26_6_13_1 for DCS . |          |
| Element Name               | Element Value                                    | Comments |
| flst                       | Frql_17                                          |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| Structured Type Constraint |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqSDCCH8_rd2                                   |          |
| <b>Structured Type:</b>    | FRQPARA                                          |          |
| <b>Derivation Path:</b>    | FreqSDCCH8_rg2.                                  |          |
| <b>Comments:</b>           | hopping SDCCH8 channel of TC_26_6_13_2 for DCS . |          |
| Element Name               | Element Value                                    | Comments |
| flst                       | Frql_17                                          |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| Structured Type Constraint |                                                   |          |
|----------------------------|---------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqSDCCH8_e                                      |          |
| <b>Structured Type:</b>    | FRQPARA                                           |          |
| <b>Derivation Path:</b>    |                                                   |          |
| <b>Comments:</b>           | hopping SDCCH8 channel of TC_26_6_10_3 for EGSM . |          |
| Element Name               | Element Value                                     | Comments |
| hch                        | '1'B                                              |          |
| maio                       | OMIT                                              |          |
| hsn                        | OMIT                                              |          |
| spr                        | '00'B                                             |          |
| arfcn                      | INT_TO_BIT(40, 10)                                |          |
| maclength                  | '00'O                                             |          |
| mac_8n                     | OMIT                                              |          |
| mac_7n                     | OMIT                                              |          |
| mac_6n                     | OMIT                                              |          |
| mac_5n                     | OMIT                                              |          |
| mac_4n                     | OMIT                                              |          |
| mac_3n                     | OMIT                                              |          |
| mac_2n                     | OMIT                                              |          |
| mac_1n                     | OMIT                                              |          |
| flst                       | OMIT                                              |          |
| <b>Detailed Comments:</b>  |                                                   |          |

| Structured Type Constraint |                                             |          |
|----------------------------|---------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqSDCCH8_e1                               |          |
| <b>Structured Type:</b>    | FRQPARA                                     |          |
| <b>Derivation Path:</b>    |                                             |          |
| <b>Comments:</b>           | SDCCH8 channel of TC_26_6_10_2_2 for EGSM . |          |
| Element Name               | Element Value                               | Comments |
| hch                        | '0'B                                        |          |
| maio                       | OMIT                                        |          |
| hsn                        | OMIT                                        |          |
| spr                        | '00'B                                       |          |
| arfcn                      | INT_TO_BIT(1015, 10)                        |          |
| maclength                  | '00'O                                       |          |
| mac_8n                     | OMIT                                        |          |
| mac_7n                     | OMIT                                        |          |
| mac_6n                     | OMIT                                        |          |
| mac_5n                     | OMIT                                        |          |
| mac_4n                     | OMIT                                        |          |
| mac_3n                     | OMIT                                        |          |
| mac_2n                     | OMIT                                        |          |
| mac_1n                     | OMIT                                        |          |
| flst                       | OMIT                                        |          |
| <b>Detailed Comments:</b>  |                                             |          |

| Structured Type Constraint |                                                                                       |          |
|----------------------------|---------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqSDCCH8_e2                                                                         |          |
| <b>Structured Type:</b>    | FRQPARA                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                       |          |
| <b>Comments:</b>           | hopping with<br>indicates to the ARFCN_list={0, 80, 1005, 1010} of cell allocation A. |          |
| Element Name               | Element Value                                                                         | Comments |
| hch                        | '1'B                                                                                  |          |
| maio                       | TSPX_MAIO                                                                             |          |
| hsn                        | TSPX_HSN                                                                              |          |
| spr                        | OMIT                                                                                  |          |
| arfcn                      | OMIT                                                                                  |          |
| maclength                  | '01'O                                                                                 |          |
| mac_8n                     | '01110001'B                                                                           |          |
| mac_7n                     | OMIT                                                                                  |          |
| mac_6n                     | OMIT                                                                                  |          |
| mac_5n                     | OMIT                                                                                  |          |
| mac_4n                     | OMIT                                                                                  |          |
| mac_3n                     | OMIT                                                                                  |          |
| mac_2n                     | OMIT                                                                                  |          |
| mac_1n                     | OMIT                                                                                  |          |
| flst                       | Frql_20_A0E                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                       |          |

| Structured Type Constraint |                                                        |          |
|----------------------------|--------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rg2                                               |          |
| <b>Structured Type:</b>    | FRQPARA                                                |          |
| <b>Derivation Path:</b>    | FreqSDCCH8_rg1.                                        |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_13_1 for GSM , before time. |          |
| Element Name               | Element Value                                          | Comments |
| maio                       | TSPX_Maio3                                             |          |
| hsn                        | TSPX_Hsn3                                              |          |
| mac_8n                     | TSPX_Ma3                                               |          |
| <b>Detailed Comments:</b>  |                                                        |          |

| Structured Type Constraint |                                                       |          |
|----------------------------|-------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rd2                                              |          |
| <b>Structured Type:</b>    | FRQPARA                                               |          |
| <b>Derivation Path:</b>    | FreqSDCCH8_rg1.Freq_rg2.                              |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_13_1 for DCS, before time. |          |
| Element Name               | Element Value                                         | Comments |
| flst                       | Frql_17                                               |          |
| <b>Detailed Comments:</b>  |                                                       |          |

| Structured Type Constraint |                                                      |          |
|----------------------------|------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rg3                                             |          |
| <b>Structured Type:</b>    | FRQPARA                                              |          |
| <b>Derivation Path:</b>    | FreqSDCCH8_rg1.                                      |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_13_1 for GSM, after time. |          |
| Element Name               | Element Value                                        | Comments |
| maio                       | TSPX_Maio2                                           |          |
| hsn                        | TSPX_Hsn2                                            |          |
| mac_8n                     | TSPX_Ma2                                             |          |
| <b>Detailed Comments:</b>  |                                                      |          |

| Structured Type Constraint |                                                      |          |
|----------------------------|------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rd3                                             |          |
| <b>Structured Type:</b>    | FRQPARA                                              |          |
| <b>Derivation Path:</b>    | FreqSDCCH8_rg1.Freq_rg3.                             |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_13_1 for DCS, after time. |          |
| Element Name               | Element Value                                        | Comments |
| flst                       | Frql_17                                              |          |
| <b>Detailed Comments:</b>  |                                                      |          |

| Structured Type Constraint |                                                      |          |
|----------------------------|------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rg4                                             |          |
| <b>Structured Type:</b>    | FRQPARA                                              |          |
| <b>Derivation Path:</b>    | FreqSDCCH8_rg1.                                      |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_13_2 for GSM, after time. |          |
| Element Name               | Element Value                                        | Comments |
| maio                       | TSPX_Maio5                                           |          |
| hsn                        | TSPX_Hsn5                                            |          |
| mac_8n                     | TSPX_Ma5                                             |          |
| <b>Detailed Comments:</b>  |                                                      |          |

| Structured Type Constraint |                                                      |          |
|----------------------------|------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rd4                                             |          |
| <b>Structured Type:</b>    | FRQPARA                                              |          |
| <b>Derivation Path:</b>    | FreqSDCCH8_rg1.Freq_rg4.                             |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_13_2 for DCS, after time. |          |
| Element Name               | Element Value                                        | Comments |
| flst                       | Frql_17                                              |          |
| <b>Detailed Comments:</b>  |                                                      |          |

| Structured Type Constraint |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rg5                                                       |          |
| <b>Structured Type:</b>    | FRQPARA                                                        |          |
| <b>Derivation Path:</b>    | FreqSDCCH8_rg1.                                                |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_13_3 for GSM, immediate assignment. |          |
| Element Name               | Element Value                                                  | Comments |
| maio                       | TSPX_Maio6                                                     |          |
| hsn                        | TSPX_Hsn6                                                      |          |
| mac_8n                     | TSPX_Ma6                                                       |          |
| <b>Detailed Comments:</b>  |                                                                |          |

| Structured Type Constraint |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rd5                                                       |          |
| <b>Structured Type:</b>    | FRQPARA                                                        |          |
| <b>Derivation Path:</b>    | FreqSDCCH8_rg1.Freq_rg5.                                       |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_13_3 for DCS, immediate assignment. |          |
| Element Name               | Element Value                                                  | Comments |
| flst                       | Frql_17                                                        |          |
| <b>Detailed Comments:</b>  |                                                                |          |



| Structured Type Constraint |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rg7                                                       |          |
| <b>Structured Type:</b>    | FRQPARA                                                        |          |
| <b>Derivation Path:</b>    | FreqSDCCH8_rg1.                                                |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_13_4 for GSM, immediate assignment. |          |
| Element Name               | Element Value                                                  | Comments |
| maio                       | TSPX_Maio10                                                    |          |
| hsn                        | TSPX_Hsn10                                                     |          |
| mac_8n                     | TSPX_Ma10                                                      |          |
| <b>Detailed Comments:</b>  |                                                                |          |

| Structured Type Constraint |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rd7                                                       |          |
| <b>Structured Type:</b>    | FRQPARA                                                        |          |
| <b>Derivation Path:</b>    | FreqSDCCH8_rg1.Freq_rg7.                                       |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_13_4 for DCS, immediate assignment. |          |
| Element Name               | Element Value                                                  | Comments |
| flst                       | Frql_17                                                        |          |
| <b>Detailed Comments:</b>  |                                                                |          |

| Structured Type Constraint |                                                     |          |
|----------------------------|-----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rg8                                            |          |
| <b>Structured Type:</b>    | FRQPARA                                             |          |
| <b>Derivation Path:</b>    | FreqSDCCH8_rg1.                                     |          |
| <b>Comments:</b>           | hopping channel of TC_26_4_2_2 for GSM, assignment. |          |
| Element Name               | Element Value                                       | Comments |
| maio                       | '000000'B                                           |          |
| hsn                        | '0001000'B                                          |          |
| mac_8n                     | '00001110'B                                         |          |
| <b>Detailed Comments:</b>  |                                                     |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rd8                                                        |          |
| <b>Structured Type:</b>    | FRQPARA                                                         |          |
| <b>Derivation Path:</b>    | FreqSDCCH8_rg1.Freq_rg8.                                        |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_4_2_2 for DCS, immediate assignment. |          |
| Element Name               | Element Value                                                   | Comments |
| flst                       | Frql_17                                                         |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rg9                                                       |          |
| <b>Structured Type:</b>    | FRQPARA                                                        |          |
| <b>Derivation Path:</b>    | FreqSDCCH8_rg1.                                                |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_13_5 for GSM, immediate assignment. |          |
| Element Name               | Element Value                                                  | Comments |
| maio                       | TSPX_Maio14                                                    |          |
| hsn                        | TSPX_Hsn14                                                     |          |
| mac_8n                     | TSPX_Ma14                                                      |          |
| <b>Detailed Comments:</b>  |                                                                |          |

| Structured Type Constraint |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rd9                                                       |          |
| <b>Structured Type:</b>    | FRQPARA                                                        |          |
| <b>Derivation Path:</b>    | FreqSDCCH8_rg1.Freq_rg9.                                       |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_13_5 for DCS, immediate assignment. |          |
| Element Name               | Element Value                                                  | Comments |
| flst                       | Frql_17                                                        |          |
| <b>Detailed Comments:</b>  |                                                                |          |

| Structured Type Constraint |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rg10                                                                      |          |
| <b>Structured Type:</b>    | FRQPARA                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_13_5 for GSM, hanfover command after time in Cell B |          |
| Element Name               | Element Value                                                                  | Comments |
| hch                        | '1'B                                                                           |          |
| maio                       | TSPX_Maio15                                                                    |          |
| hsn                        | TSPX_Hsn15                                                                     |          |
| spr                        | OMIT                                                                           |          |
| arfcn                      | OMIT                                                                           |          |
| maclength                  | '01'O                                                                          |          |
| mac_8n                     | TSPX_Ma15                                                                      |          |
| mac_7n                     | OMIT                                                                           |          |
| mac_6n                     | OMIT                                                                           |          |
| mac_5n                     | OMIT                                                                           |          |
| mac_4n                     | OMIT                                                                           |          |
| mac_3n                     | OMIT                                                                           |          |
| mac_2n                     | OMIT                                                                           |          |
| mac_1n                     | OMIT                                                                           |          |
| flst                       | Frql_18                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| Structured Type Constraint |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rd10                                                                      |          |
| <b>Structured Type:</b>    | FRQPARA                                                                        |          |
| <b>Derivation Path:</b>    | Freq_rg10.                                                                     |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_13_5 for DCS, handover command after time in Cell B |          |
| Element Name               | Element Value                                                                  | Comments |
| flst                       | Frql_19                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| Structured Type Constraint |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rg11                                                                       |          |
| <b>Structured Type:</b>    | FRQPARA                                                                         |          |
| <b>Derivation Path:</b>    | Freq_rg10.                                                                      |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_13_5 for GSM, hanfover command before time in Cell B |          |
| Element Name               | Element Value                                                                   | Comments |
| maio                       | TSPX_Maio16                                                                     |          |
| hsn                        | TSPX_Hsn16                                                                      |          |
| mac_8n                     | TSPX_Ma16                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| Structured Type Constraint |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rd11                                                                       |          |
| <b>Structured Type:</b>    | FRQPARA                                                                         |          |
| <b>Derivation Path:</b>    | Freq_rg10.Freq_rg11.                                                            |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_13_5 for DCS, handover command before time in Cell B |          |
| Element Name               | Element Value                                                                   | Comments |
| flst                       | Frql_19                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| Structured Type Constraint |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rg12                                                      |          |
| <b>Structured Type:</b>    | FRQPARA                                                        |          |
| <b>Derivation Path:</b>    | FreqSDCCH8_rg1.                                                |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_13_6 for GSM, immediate assignment. |          |
| Element Name               | Element Value                                                  | Comments |
| maio                       | TSPX_Maio17                                                    |          |
| hsn                        | TSPX_Hsn17                                                     |          |
| mac_8n                     | TSPX_Ma17                                                      |          |
| <b>Detailed Comments:</b>  |                                                                |          |

| Structured Type Constraint |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rd12                                                      |          |
| <b>Structured Type:</b>    | FRQPARA                                                        |          |
| <b>Derivation Path:</b>    | FreqSDCCH8_rg1.Freq_rg12.                                      |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_13_6 for DCS, immediate assignment. |          |
| Element Name               | Element Value                                                  | Comments |
| flst                       | Frql_17                                                        |          |
| <b>Detailed Comments:</b>  |                                                                |          |

| Structured Type Constraint |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rg13                                                                      |          |
| <b>Structured Type:</b>    | FRQPARA                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_13_6 for GSM, hanfover command after time in Cell B |          |
| Element Name               | Element Value                                                                  | Comments |
| hch                        | '1'B                                                                           |          |
| maio                       | TSPX_Maio18                                                                    |          |
| hsn                        | TSPX_Hsn18                                                                     |          |
| spr                        | OMIT                                                                           |          |
| arfcn                      | OMIT                                                                           |          |
| maclength                  | '01'O                                                                          |          |
| mac_8n                     | TSPX_Ma18                                                                      |          |
| mac_7n                     | OMIT                                                                           |          |
| mac_6n                     | OMIT                                                                           |          |
| mac_5n                     | OMIT                                                                           |          |
| mac_4n                     | OMIT                                                                           |          |
| mac_3n                     | OMIT                                                                           |          |
| mac_2n                     | OMIT                                                                           |          |
| mac_1n                     | OMIT                                                                           |          |
| flst                       | Frql_18                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| Structured Type Constraint |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rd13                                                                      |          |
| <b>Structured Type:</b>    | FRQPARA                                                                        |          |
| <b>Derivation Path:</b>    | Freq_rg10.                                                                     |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_13_6 for DCS, handover command after time in Cell B |          |
| Element Name               | Element Value                                                                  | Comments |
| flst                       | Frql_19                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| Structured Type Constraint |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rg14                                                      |          |
| <b>Structured Type:</b>    | FRQPARA                                                        |          |
| <b>Derivation Path:</b>    | FreqSDCCH8_rg1.                                                |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_13_7 for GSM, immediate assignment. |          |
| Element Name               | Element Value                                                  | Comments |
| maio                       | TSPX_Maio20                                                    |          |
| hsn                        | TSPX_Hsn20                                                     |          |
| mac_8n                     | TSPX_Ma20                                                      |          |
| <b>Detailed Comments:</b>  |                                                                |          |

| Structured Type Constraint |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rd14                                                      |          |
| <b>Structured Type:</b>    | FRQPARA                                                        |          |
| <b>Derivation Path:</b>    | FreqSDCCH8_rg1.Freq_rg14.                                      |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_13_7 for DCS, immediate assignment. |          |
| Element Name               | Element Value                                                  | Comments |
| flst                       | Frql_17                                                        |          |
| <b>Detailed Comments:</b>  |                                                                |          |

| Structured Type Constraint |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rg15                                                      |          |
| <b>Structured Type:</b>    | FRQPARA                                                        |          |
| <b>Derivation Path:</b>    | FreqSDCCH8_rg1.                                                |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_13_8 for GSM, immediate assignment. |          |
| Element Name               | Element Value                                                  | Comments |
| maio                       | TSPX_Maio24                                                    |          |
| hsn                        | TSPX_Hsn24                                                     |          |
| mac_8n                     | TSPX_Ma24                                                      |          |
| <b>Detailed Comments:</b>  |                                                                |          |

| Structured Type Constraint |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rd15                                                      |          |
| <b>Structured Type:</b>    | FRQPARA                                                        |          |
| <b>Derivation Path:</b>    | FreqSDCCH8_rg1.Freq_rg15.                                      |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_13_8 for DCS, immediate assignment. |          |
| Element Name               | Element Value                                                  | Comments |
| flst                       | Frql_17                                                        |          |
| <b>Detailed Comments:</b>  |                                                                |          |

| Structured Type Constraint |                                                                            |          |
|----------------------------|----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rg16                                                                  |          |
| <b>Structured Type:</b>    | FRQPARA                                                                    |          |
| <b>Derivation Path:</b>    | FreqSDCCH8_rg1.                                                            |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_13_9 for GSM, immediate assignment before time. |          |
| Element Name               | Element Value                                                              | Comments |
| maio                       | TSPX_Maio29                                                                |          |
| hsn                        | '000000'B                                                                  |          |
| mac_8n                     | TSPX_Ma29                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                            |          |

| Structured Type Constraint |                                                                            |          |
|----------------------------|----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rd16                                                                  |          |
| <b>Structured Type:</b>    | FRQPARA                                                                    |          |
| <b>Derivation Path:</b>    | FreqSDCCH8_rg1.Freq_rg16.                                                  |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_13_8 for DCS, immediate assignment before time. |          |
| Element Name               | Element Value                                                              | Comments |
| flst                       | Frql_17                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                            |          |

| Structured Type Constraint |                                                                            |          |
|----------------------------|----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rg17                                                                  |          |
| <b>Structured Type:</b>    | FRQPARA                                                                    |          |
| <b>Derivation Path:</b>    | FreqSDCCH8_rg1.                                                            |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_13_10 for GSM, immediate assignment after time. |          |
| Element Name               | Element Value                                                              | Comments |
| maio                       | TSPX_Maio30                                                                |          |
| hsn                        | TSPX_Hsn30                                                                 |          |
| mac_8n                     | TSPX_Ma30                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                            |          |

| Structured Type Constraint |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rd17                                                                 |          |
| <b>Structured Type:</b>    | FRQPARA                                                                   |          |
| <b>Derivation Path:</b>    | FreqSDCCH8_rg1.Freq_rg17.                                                 |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_13_8 for DCS, immediate assignment after time. |          |
| Element Name               | Element Value                                                             | Comments |
| flst                       | Frql_17                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| Structured Type Constraint |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rg18                                                     |          |
| <b>Structured Type:</b>    | FRQPARA                                                       |          |
| <b>Derivation Path:</b>    |                                                               |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_6_1 for GSM, immediate assignment. |          |
| Element Name               | Element Value                                                 | Comments |
| hch                        | '1'B                                                          |          |
| maio                       | '001001'B                                                     |          |
| hsn                        | '000000'B                                                     |          |
| spr                        | OMIT                                                          |          |
| arfcn                      | OMIT                                                          |          |
| maclength                  | '08'O                                                         |          |
| mac_8n                     | '00000000'B                                                   |          |
| mac_7n                     | '00000000'B                                                   |          |
| mac_6n                     | '00000000'B                                                   |          |
| mac_5n                     | '00000000'B                                                   |          |
| mac_4n                     | '00000000'B                                                   |          |
| mac_3n                     | '00000000'B                                                   |          |
| mac_2n                     | '00111111'B                                                   |          |
| mac_1n                     | '11111110'B                                                   |          |
| flst                       | Frql_20                                                       |          |
| <b>Detailed Comments:</b>  |                                                               |          |

| Structured Type Constraint |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rd18                                                     |          |
| <b>Structured Type:</b>    | FRQPARA                                                       |          |
| <b>Derivation Path:</b>    | Freq_rg18.                                                    |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_6_1 for DCS, immediate assignment. |          |
| Element Name               | Element Value                                                 | Comments |
| flst                       | Frql_29                                                       |          |
| <b>Detailed Comments:</b>  |                                                               |          |

| Structured Type Constraint |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rg19                                                     |          |
| <b>Structured Type:</b>    | FRQPARA                                                       |          |
| <b>Derivation Path:</b>    | Freq_rg18.                                                    |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_6_1 for GSM, immediate assignment. |          |
| Element Name               | Element Value                                                 | Comments |
| mac_8n                     | '10000000'B                                                   |          |
| mac_7n                     | '00000000'B                                                   |          |
| mac_6n                     | '00000000'B                                                   |          |
| mac_5n                     | '10000000'B                                                   |          |
| mac_4n                     | '00100000'B                                                   |          |
| mac_3n                     | '00000000'B                                                   |          |
| mac_2n                     | '00000000'B                                                   |          |
| mac_1n                     | '00000101'B                                                   |          |
| flst                       | Frql_21                                                       |          |
| <b>Detailed Comments:</b>  |                                                               |          |

| Structured Type Constraint |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rd19                                                     |          |
| <b>Structured Type:</b>    | FRQPARA                                                       |          |
| <b>Derivation Path:</b>    | Freq_rg18.Freq_rg19.                                          |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_6_1 for DCS, immediate assignment. |          |
| Element Name               | Element Value                                                 | Comments |
| flst                       | Frql_30                                                       |          |
| <b>Detailed Comments:</b>  |                                                               |          |

| Structured Type Constraint |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rg20                                                     |          |
| <b>Structured Type:</b>    | FRQPARA                                                       |          |
| <b>Derivation Path:</b>    | Freq_rg18.                                                    |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_6_1 for GSM, immediate assignment. |          |
| Element Name               | Element Value                                                 | Comments |
| mac_8n                     | '01000000'B                                                   |          |
| mac_7n                     | '00000000'B                                                   |          |
| mac_6n                     | '00000000'B                                                   |          |
| mac_5n                     | '00000010'B                                                   |          |
| mac_4n                     | '00000000'B                                                   |          |
| mac_3n                     | '00000000'B                                                   |          |
| mac_2n                     | '00000000'B                                                   |          |
| mac_1n                     | '01100101'B                                                   |          |
| flst                       | Frql_22                                                       |          |
| <b>Detailed Comments:</b>  |                                                               |          |

| Structured Type Constraint |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rd20                                                     |          |
| <b>Structured Type:</b>    | FRQPARA                                                       |          |
| <b>Derivation Path:</b>    | Freq_rg18.Freq_rg20.                                          |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_6_1 for DCS, immediate assignment. |          |
| Element Name               | Element Value                                                 | Comments |
| flst                       | Frql_31                                                       |          |
| <b>Detailed Comments:</b>  |                                                               |          |

| Structured Type Constraint |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rg21                                                     |          |
| <b>Structured Type:</b>    | FRQPARA                                                       |          |
| <b>Derivation Path:</b>    | Freq_rg18.                                                    |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_6_1 for GSM, immediate assignment. |          |
| Element Name               | Element Value                                                 | Comments |
| mac_8n                     | '00000001'B                                                   |          |
| mac_7n                     | '00000000'B                                                   |          |
| mac_6n                     | '01000010'B                                                   |          |
| mac_5n                     | '00000000'B                                                   |          |
| mac_4n                     | '00000000'B                                                   |          |
| mac_3n                     | '00000001'B                                                   |          |
| mac_2n                     | '01110000'B                                                   |          |
| mac_1n                     | '00000000'B                                                   |          |
| flst                       | Frql_23                                                       |          |
| <b>Detailed Comments:</b>  |                                                               |          |

| Structured Type Constraint |                                                                     |          |
|----------------------------|---------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rd21                                                           |          |
| <b>Structured Type:</b>    | FRQPARA                                                             |          |
| <b>Derivation Path:</b>    | Freq_rg18.Freq_rg21.                                                |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_6_1 for DCS, immediate assignment.       |          |
| Element Name               | Element Value                                                       | Comments |
| flst                       | Frql_32                                                             |          |
| <b>Detailed Comments:</b>  | ARFCN's: 717, ..., 724, 733, ..., 744, 757, ..., 760, 773, ..., 812 |          |

| Structured Type Constraint |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rg22                                                     |          |
| <b>Structured Type:</b>    | FRQPARA                                                       |          |
| <b>Derivation Path:</b>    | Freq_rg18.                                                    |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_6_1 for GSM, immediate assignment. |          |
| Element Name               | Element Value                                                 | Comments |
| mac_8n                     | '01001000'B                                                   |          |
| mac_7n                     | '00000000'B                                                   |          |
| mac_6n                     | '00000000'B                                                   |          |
| mac_5n                     | '00000000'B                                                   |          |
| mac_4n                     | '00000000'B                                                   |          |
| mac_3n                     | '00001101'B                                                   |          |
| mac_2n                     | '01000100'B                                                   |          |
| mac_1n                     | '00000001'B                                                   |          |
| flst                       | Frql_24                                                       |          |
| <b>Detailed Comments:</b>  |                                                               |          |

| Structured Type Constraint |                                                                                                                                                                                                |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rd22                                                                                                                                                                                      |          |
| <b>Structured Type:</b>    | FRQPARA                                                                                                                                                                                        |          |
| <b>Derivation Path:</b>    | Freq_rg18.Freq_rg22.                                                                                                                                                                           |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_6_1 for DCS, immediate assignment.                                                                                                                                  |          |
| Element Name               | Element Value                                                                                                                                                                                  | Comments |
| flst                       | Frql_33                                                                                                                                                                                        |          |
| <b>Detailed Comments:</b>  | 64 ARFCN's: 702, ..., 732, 749, 750, 754, ..., 756, 758, 762, ..., 764, 766, 770, ..., 772, 774, 778, ..., 780, 782, 786, ..., 788, 790, 794, ..., 796, 798, 802, ..., 804, 806, 810, ..., 812 |          |

| Structured Type Constraint |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rg23                                                     |          |
| <b>Structured Type:</b>    | FRQPARA                                                       |          |
| <b>Derivation Path:</b>    | Freq_rg18.                                                    |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_6_1 for GSM, immediate assignment. |          |
| Element Name               | Element Value                                                 | Comments |
| mac_8n                     | '11111111'B                                                   |          |
| mac_7n                     | '10000000'B                                                   |          |
| mac_6n                     | '00000000'B                                                   |          |
| mac_5n                     | '00000000'B                                                   |          |
| mac_4n                     | '00000000'B                                                   |          |
| mac_3n                     | '00000000'B                                                   |          |
| mac_2n                     | '00011111'B                                                   |          |
| mac_1n                     | '00000000'B                                                   |          |
| flst                       | Frql_25                                                       |          |
| <b>Detailed Comments:</b>  |                                                               |          |



| Structured Type Constraint |                                                                                                                                                                                                                           |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rd23                                                                                                                                                                                                                 |          |
| <b>Structured Type:</b>    | FRQPARA                                                                                                                                                                                                                   |          |
| <b>Derivation Path:</b>    | Freq_rg18.Freq_rg23.                                                                                                                                                                                                      |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_6_1 for DCS, immediate assignment.                                                                                                                                                             |          |
| Element Name               | Element Value                                                                                                                                                                                                             | Comments |
| flst                       | Frql_34                                                                                                                                                                                                                   |          |
| <b>Detailed Comments:</b>  | ARFCN's: 707, 709, ..., 713, 715, 717, ..., 721, 723, 725, ..., 729, 731, 733, ..., 737, 739, 741, ..., 745, 747, 749, ..., 753, 755, 757, ..., 761, 763, 765, ..., 769, 771, 779, 787, 795, 798, ..., 803, 806, ..., 811 |          |

| Structured Type Constraint |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rg24                                                     |          |
| <b>Structured Type:</b>    | FRQPARA                                                       |          |
| <b>Derivation Path:</b>    | Freq_rg18.                                                    |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_6_1 for GSM, immediate assignment. |          |
| Element Name               | Element Value                                                 | Comments |
| mac_8n                     | '11111000'B                                                   |          |
| mac_7n                     | '00000000'B                                                   |          |
| mac_6n                     | '00000000'B                                                   |          |
| mac_5n                     | '00000000'B                                                   |          |
| mac_4n                     | '00000000'B                                                   |          |
| mac_3n                     | '00000000'B                                                   |          |
| mac_2n                     | '00011111'B                                                   |          |
| mac_1n                     | '00000000'B                                                   |          |
| flst                       | Frql_26                                                       |          |
| <b>Detailed Comments:</b>  |                                                               |          |

| Structured Type Constraint |                                                                                                                                                                                        |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rd24                                                                                                                                                                              |          |
| <b>Structured Type:</b>    | FRQPARA                                                                                                                                                                                |          |
| <b>Derivation Path:</b>    | Freq_rg18.Freq_rg24.                                                                                                                                                                   |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_6_1 for DCS, immediate assignment.                                                                                                                          |          |
| Element Name               | Element Value                                                                                                                                                                          | Comments |
| flst                       | Frql_35                                                                                                                                                                                |          |
| <b>Detailed Comments:</b>  | ARFCN's: 705, ..., 736, 749, 751, 753, 755, 757, 759, 761, 763, 765, 767, 769, 771, 773, 775, 777, 779, 781, 783, 785, 787, 789, 791, 793, 795, 797, 799, 801, 803, 805, 807, 809, 811 |          |

| Structured Type Constraint |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rg25                                                     |          |
| <b>Structured Type:</b>    | FRQPARA                                                       |          |
| <b>Derivation Path:</b>    | Freq_rg18.                                                    |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_6_1 for GSM, immediate assignment. |          |
| Element Name               | Element Value                                                 | Comments |
| mac_8n                     | '00000000'B                                                   |          |
| mac_7n                     | '00000000'B                                                   |          |
| mac_6n                     | '00000000'B                                                   |          |
| mac_5n                     | '00000000'B                                                   |          |
| mac_4n                     | '00000000'B                                                   |          |
| mac_3n                     | '00001111'B                                                   |          |
| mac_2n                     | '11111110'B                                                   |          |
| mac_1n                     | '00000000'B                                                   |          |
| flst                       | Frql_27                                                       |          |
| <b>Detailed Comments:</b>  |                                                               |          |

| Structured Type Constraint |                                                                                                                                                                                                           |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rd25                                                                                                                                                                                                 |          |
| <b>Structured Type:</b>    | FRQPARA                                                                                                                                                                                                   |          |
| <b>Derivation Path:</b>    | Freq_rg18.Freq_rg25.                                                                                                                                                                                      |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_6_1 for DCS, immediate assignment.                                                                                                                                             |          |
| Element Name               | Element Value                                                                                                                                                                                             | Comments |
| flst                       | Frql_36                                                                                                                                                                                                   |          |
| <b>Detailed Comments:</b>  | ARFCN's: 702, 704, 706, 708, 710, 712, 714, 716, 718, 720, 722, 724, 726, 728, 730, 732, 734, 76, 738, 740, 742, 744, 746, 748, 750, 852, 754, 756, 758, 760, 762, 764, ..., 780, 789, ..., 796, 805, 812 |          |

| Structured Type Constraint |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rg26                                                     |          |
| <b>Structured Type:</b>    | FRQPARA                                                       |          |
| <b>Derivation Path:</b>    | Freq_rg18.                                                    |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_6_1 for GSM, immediate assignment. |          |
| Element Name               | Element Value                                                 | Comments |
| mac_8n                     | '11111111'B                                                   |          |
| mac_7n                     | '11110000'B                                                   |          |
| mac_6n                     | '00000000'B                                                   |          |
| mac_5n                     | '00000000'B                                                   |          |
| mac_4n                     | '00000000'B                                                   |          |
| mac_3n                     | '00000000'B                                                   |          |
| mac_2n                     | '00000000'B                                                   |          |
| mac_1n                     | '00000000'B                                                   |          |
| flst                       | Frql_28                                                       |          |
| <b>Detailed Comments:</b>  |                                                               |          |

| Structured Type Constraint |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Freq_rd26                                                     |          |
| <b>Structured Type:</b>    | FRQPARA                                                       |          |
| <b>Derivation Path:</b>    | Freq_rg18.Freq_rg26.                                          |          |
| <b>Comments:</b>           | hopping channel of TC_26_6_6_1 for DCS, immediate assignment. |          |
| Element Name               | Element Value                                                 | Comments |
| flst                       | Frql_37                                                       |          |
| <b>Detailed Comments:</b>  | ARFCN's: 717, ..., 748, 765, ..., 796                         |          |

| Structured Type Constraint |                                                   |          |
|----------------------------|---------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_01                                           |          |
| <b>Structured Type:</b>    | FRQL                                              |          |
| <b>Derivation Path:</b>    |                                                   |          |
| <b>Comments:</b>           | coded as length = 1 and unrecognised IE contents. |          |
| Element Name               | Element Value                                     | Comments |
| iei                        | OMIT                                              |          |
| iel                        | '01'O                                             |          |
| fl                         | '00'O                                             |          |
| <b>Detailed Comments:</b>  |                                                   |          |

| Structured Type Constraint |                                                   |          |
|----------------------------|---------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FrqI_02                                           |          |
| <b>Structured Type:</b>    | FRQL                                              |          |
| <b>Derivation Path:</b>    |                                                   |          |
| <b>Comments:</b>           | coded as length = 1 and unrecognised IE contents. |          |
| Element Name               | Element Value                                     | Comments |
| iei                        | '11011010'B                                       |          |
| iel                        | OMIT                                              |          |
| fl                         | OMIT                                              |          |
| <b>Detailed Comments:</b>  |                                                   |          |

| Structured Type Constraint |                                           |          |
|----------------------------|-------------------------------------------|----------|
| <b>Constraint Name:</b>    | FrqI_03                                   |          |
| <b>Structured Type:</b>    | FRQL                                      |          |
| <b>Derivation Path:</b>    |                                           |          |
| <b>Comments:</b>           | ARFCNs 30, 50, 70.                        |          |
| Element Name               | Element Value                             | Comments |
| iei                        | '00000101'B                               |          |
| iel                        | '10'O                                     |          |
| fl                         | '0000000000000000200002000020000000'<br>O |          |
| <b>Detailed Comments:</b>  |                                           |          |

| Structured Type Constraint                      |                                                                                |          |
|-------------------------------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>                         | FrqI_04                                                                        |          |
| <b>Structured Type:</b>                         | FRQL                                                                           |          |
| <b>Derivation Path:</b>                         |                                                                                |          |
| <b>Comments:</b>                                | frequency list for GSM900 hopping channel with only one frequency, ARFCN = 124 |          |
| Element Name                                    | Element Value                                                                  | Comments |
| iei                                             | '00000101'B                                                                    |          |
| iel                                             | '10'O                                                                          |          |
| fl                                              | '0800000000000000000000000000000000'<br>O                                      |          |
| <b>Detailed Comments:</b> used in TC_26_5_7_1_4 |                                                                                |          |

| Structured Type Constraint                      |                                                                               |          |
|-------------------------------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>                         | FrqI_05                                                                       |          |
| <b>Structured Type:</b>                         | FRQL                                                                          |          |
| <b>Derivation Path:</b>                         |                                                                               |          |
| <b>Comments:</b>                                | frequency list for DCS1800 hopping channel with only one frequency ARFCN 801. |          |
| Element Name                                    | Element Value                                                                 | Comments |
| iei                                             | '00000101'B                                                                   |          |
| iel                                             | '03'O                                                                         |          |
| fl                                              | '8F9080'O                                                                     |          |
| <b>Detailed Comments:</b> used in TC_26_5_7_1_4 |                                                                               |          |

| Structured Type Constraint |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_06                                                                   |          |
| <b>Structured Type:</b>    | FRQL                                                                      |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | frequency list for GSM900 hopping channel with frequencies ARFCN = 30, 50 |          |
| Element Name               | Element Value                                                             | Comments |
| iei                        | '00000101'B                                                               |          |
| iel                        | '10'O                                                                     |          |
| fl                         | '0000000000000000000002000020000000'<br>O                                 |          |
| <b>Detailed Comments:</b>  | used in TC_26_5_6_3                                                       |          |

| Structured Type Constraint |                                                                             |          |
|----------------------------|-----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_07                                                                     |          |
| <b>Structured Type:</b>    | FRQL                                                                        |          |
| <b>Derivation Path:</b>    |                                                                             |          |
| <b>Comments:</b>           | frequency list for DCS1800 hopping channel with frequencies ARFCN 650, 750. |          |
| Element Name               | Element Value                                                               | Comments |
| iei                        | '00000101'B                                                                 |          |
| iel                        | '03'O                                                                       |          |
| fl                         | '8D4564'O                                                                   |          |
| <b>Detailed Comments:</b>  | used in TC_26_5_6_3                                                         |          |

| Structured Type Constraint |                                         |          |
|----------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_08                                 |          |
| <b>Structured Type:</b>    | FRQL                                    |          |
| <b>Derivation Path:</b>    |                                         |          |
| <b>Comments:</b>           | ARFCNs 30, 50, 70.                      |          |
| Element Name               | Element Value                           | Comments |
| iei                        | '00000101'B                             |          |
| iel                        | '10'O                                   |          |
| fl                         | '00020800000001000008000200000200'<br>O |          |
| <b>Detailed Comments:</b>  |                                         |          |

| Structured Type Constraint |                                          |          |
|----------------------------|------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_09                                  |          |
| <b>Structured Type:</b>    | FRQL                                     |          |
| <b>Derivation Path:</b>    |                                          |          |
| <b>Comments:</b>           | ARFCNs 734, 741, 759, 766, 773, 832, 844 |          |
| Element Name               | Element Value                            | Comments |
| iei                        | '00000101'B                              |          |
| iel                        | '10'O                                    |          |
| fl                         | '82FEF390BE714483000000000000000'<br>O   |          |
| <b>Detailed Comments:</b>  |                                          |          |

| Structured Type Constraint |                                               |          |
|----------------------------|-----------------------------------------------|----------|
| <b>Constraint Name:</b>    | FrqI_10                                       |          |
| <b>Structured Type:</b>    | FRQL                                          |          |
| <b>Derivation Path:</b>    |                                               |          |
| <b>Comments:</b>           | ARFCNs 10, 17, 20, 26, 34, 42, 45, 46, 52, 59 |          |
| Element Name               | Element Value                                 | Comments |
| iei                        | '00000101'B                                   |          |
| iel                        | '10'O                                         |          |
| fl                         | '00000000000000000000408320202090200'<br>O    |          |
| <b>Detailed Comments:</b>  |                                               |          |

| Structured Type Constraint |                                                     |          |
|----------------------------|-----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FrqI_11                                             |          |
| <b>Structured Type:</b>    | FRQL                                                |          |
| <b>Derivation Path:</b>    |                                                     |          |
| <b>Comments:</b>           | ARFCNs 45, 46, 52, 59, 66, 73, 74, 75, 76, 108, 114 |          |
| Element Name               | Element Value                                       | Comments |
| iei                        | '00000101'B                                         |          |
| iel                        | '10'O                                               |          |
| fl                         | '0002080000000F020408300000000000'<br>O             |          |
| <b>Detailed Comments:</b>  |                                                     |          |

| Structured Type Constraint |                                           |          |
|----------------------------|-------------------------------------------|----------|
| <b>Constraint Name:</b>    | FrqI_12                                   |          |
| <b>Structured Type:</b>    | FRQL                                      |          |
| <b>Derivation Path:</b>    |                                           |          |
| <b>Comments:</b>           | ARFCNs 17, 20                             |          |
| Element Name               | Element Value                             | Comments |
| iei                        | '00000101'B                               |          |
| iel                        | '10'O                                     |          |
| fl                         | '0000000000000000000000000000090000'<br>O |          |
| <b>Detailed Comments:</b>  |                                           |          |

| Structured Type Constraint |                                                         |          |
|----------------------------|---------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FrqI_13                                                 |          |
| <b>Structured Type:</b>    | FRQL                                                    |          |
| <b>Derivation Path:</b>    |                                                         |          |
| <b>Comments:</b>           | ARFCNs 734, 741, 747, 754, 759, 766, 773, 775, 779, 782 |          |
| Element Name               | Element Value                                           | Comments |
| iei                        | '00000101'B                                             |          |
| iel                        | '10'O                                                   |          |
| fl                         | '82FEF6837EBF0300FCFEF6000000000'<br>O                  |          |
| <b>Detailed Comments:</b>  |                                                         |          |

| Structured Type Constraint |                                                     |          |
|----------------------------|-----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_14                                             |          |
| <b>Structured Type:</b>    | FRQL                                                |          |
| <b>Derivation Path:</b>    |                                                     |          |
| <b>Comments:</b>           | ARFCNs: 773, 775, 779, 782, 791, 789, 829, 832, 844 |          |
| Element Name               | Element Value                                       | Comments |
| iei                        | '00000101'B                                         |          |
| iel                        | '10'O                                               |          |
| fl                         | '8315FB0AFF3F40C33F5A000000000000'<br>O             |          |
| <b>Detailed Comments:</b>  |                                                     |          |

| Structured Type Constraint |                                         |          |
|----------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_15                                 |          |
| <b>Structured Type:</b>    | FRQL                                    |          |
| <b>Derivation Path:</b>    |                                         |          |
| <b>Comments:</b>           | ARFCNs 741, 747                         |          |
| Element Name               | Element Value                           | Comments |
| iei                        | '00000101'B                             |          |
| iel                        | '10'O                                   |          |
| fl                         | '82EBFD00000000000000000000000000'<br>O |          |
| <b>Detailed Comments:</b>  |                                         |          |

| Structured Type Constraint |                                          |          |
|----------------------------|------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_16                                  |          |
| <b>Structured Type:</b>    | FRQL                                     |          |
| <b>Derivation Path:</b>    |                                          |          |
| <b>Comments:</b>           | ARFCNs 20, 30, 50, 70                    |          |
| Element Name               | Element Value                            | Comments |
| iei                        | '00000101'B                              |          |
| iel                        | '10'O                                    |          |
| fl                         | '000000000000000200002000020080000'<br>O |          |
| <b>Detailed Comments:</b>  |                                          |          |

| Structured Type Constraint |                                         |          |
|----------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_17                                 |          |
| <b>Structured Type:</b>    | FRQL                                    |          |
| <b>Derivation Path:</b>    |                                         |          |
| <b>Comments:</b>           | ARFCNs 590, 650, 750, 850               |          |
| Element Name               | Element Value                           | Comments |
| iei                        | '00000101'B                             |          |
| iel                        | '10'O                                   |          |
| fl                         | 'EECE1931000000000000000000000000'<br>O |          |
| <b>Detailed Comments:</b>  |                                         |          |

| Structured Type Constraint |                                          |          |
|----------------------------|------------------------------------------|----------|
| <b>Constraint Name:</b>    | FrqI_18                                  |          |
| <b>Structured Type:</b>    | FRQL                                     |          |
| <b>Derivation Path:</b>    |                                          |          |
| <b>Comments:</b>           | ARFCNs 10, 80, 100, 120                  |          |
| Element Name               | Element Value                            | Comments |
| iei                        | '00000101'B                              |          |
| iel                        | '10'O                                    |          |
| fl                         | '008000080000800000000000000000200'<br>O |          |
| <b>Detailed Comments:</b>  |                                          |          |

| Structured Type Constraint |                                           |          |
|----------------------------|-------------------------------------------|----------|
| <b>Constraint Name:</b>    | FrqI_19                                   |          |
| <b>Structured Type:</b>    | FRQL                                      |          |
| <b>Derivation Path:</b>    |                                           |          |
| <b>Comments:</b>           | ARFCNs 520, 600, 700, 870                 |          |
| Element Name               | Element Value                             | Comments |
| iei                        | '00000101'B                               |          |
| iel                        | '10'O                                     |          |
| fl                         | '8904140300D900000000000000000000'<br>0'O |          |
| <b>Detailed Comments:</b>  |                                           |          |

| Structured Type Constraint |                                          |          |
|----------------------------|------------------------------------------|----------|
| <b>Constraint Name:</b>    | FrqI_20                                  |          |
| <b>Structured Type:</b>    | FRQL                                     |          |
| <b>Derivation Path:</b>    |                                          |          |
| <b>Comments:</b>           | ARFCNs = 1.. 64 for GSM of TC_26_6_6_1   |          |
| Element Name               | Element Value                            | Comments |
| iei                        | '00000101'B                              |          |
| iel                        | '10'O                                    |          |
| fl                         | '0000000000000000FFFFFFFFFFFFFFF'<br>F'O |          |
| <b>Detailed Comments:</b>  |                                          |          |

| Structured Type Constraint |                                                                                                                       |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FrqI_20_A0                                                                                                            |          |
| <b>Structured Type:</b>    | FRQL                                                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                                                       |          |
| <b>Comments:</b>           | Complete Cell Allocation of cell A in HO cases.<br>ARFCN_list={10,17,20,26,34,42,45,46,52,59,66,73,74,75,76,108,114}. |          |
| Element Name               | Element Value                                                                                                         | Comments |
| iei                        | '00000101'B                                                                                                           |          |
| iel                        | '10'O                                                                                                                 |          |
| fl                         | '000208000000F020408320202090200'<br>O                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                                       |          |

| Structured Type Constraint |                                                                                                                                                                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_20_A0d                                                                                                                                                                                                                                 |          |
| <b>Structured Type:</b>    | FRQL                                                                                                                                                                                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                             |          |
| <b>Comments:</b>           | Complete Cell Allocation of Cell A in HO cases using 512 format.<br>frequency list, after time for a target cell used in HO_case in cell A for DCS1800.<br>List_ARFCN={734,741,747,754,759,762,766,767,773,775,779,782,791,798,829,832,844} |          |
| Element Name               | Element Value                                                                                                                                                                                                                               | Comments |
| iei                        | '00000101'B                                                                                                                                                                                                                                 |          |
| iel                        | '10'O                                                                                                                                                                                                                                       |          |
| fl                         | '896F0A7CC5FC700A8B9F7FF45246334<br>0'O                                                                                                                                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                             |          |

| Structured Type Constraint |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_20_egsm(par_flist: OCTETSTRING; par_flistl: OCTETSTRING) |          |
| <b>Structured Type:</b>    | FRQL                                                          |          |
| <b>Derivation Path:</b>    |                                                               |          |
| <b>Comments:</b>           | Complete Cell Allocation in EGSM cases.                       |          |
| Element Name               | Element Value                                                 | Comments |
| iei                        | '00000101'B                                                   |          |
| iel                        | par_flistl                                                    |          |
| fl                         | par_flist                                                     |          |
| <b>Detailed Comments:</b>  |                                                               |          |

| Structured Type Constraint |                                                                                                             |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_20_A                                                                                                   |          |
| <b>Structured Type:</b>    | FRQL                                                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                                             |          |
| <b>Comments:</b>           | frequency list, after time used in HO_case in cell A.<br>List_ARFCN={10,17,20,26,59,66,73,74,75,76,108,114} |          |
| Element Name               | Element Value                                                                                               | Comments |
| iei                        | '00000101'B                                                                                                 |          |
| iel                        | '10'O                                                                                                       |          |
| fl                         | '0002080000000F020300000002090200'<br>O                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                                             |          |

| Structured Type Constraint |                                                                                                                                                                          |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_20_Ad                                                                                                                                                               |          |
| <b>Structured Type:</b>    | FRQL                                                                                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                          |          |
| <b>Comments:</b>           | frequency list, after time for cell B used in HO_case in cell A for DCS1800 using 256 format for the f'list.<br>List_ARFCN={747, 775, 779, 782, 791, 798, 829, 832, 844} |          |
| Element Name               | Element Value                                                                                                                                                            | Comments |
| iei                        | '00000101'B                                                                                                                                                              |          |
| iel                        | '09'O                                                                                                                                                                    |          |
| fl                         | '8B7599F045EFA499C0'O                                                                                                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                          |          |



| Structured Type Constraint |                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FrqI_20_A2                                                                         |          |
| <b>Structured Type:</b>    | FRQL                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                    |          |
| <b>Comments:</b>           | frequency list for GSM900 hopping channel with only one frequency. Chosen ARFCN=10 |          |
| Element Name               | Element Value                                                                      | Comments |
| iei                        | '00000101'B                                                                        |          |
| iel                        | '10'O                                                                              |          |
| fl                         | '00000000000000000000000000000200'<br>O                                            |          |
| <b>Detailed Comments:</b>  | used in                                                                            |          |

| Structured Type Constraint |                                                                                                                   |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FrqI_20_A2d                                                                                                       |          |
| <b>Structured Type:</b>    | FRQL                                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                                   |          |
| <b>Comments:</b>           | frequency list for DCS1800 hopping channel with only one frequency ARFCN.<br>Chosen ARFCN from CA of Cell A = 734 |          |
| Element Name               | Element Value                                                                                                     | Comments |
| iei                        | '00000101'B                                                                                                       |          |
| iel                        | '02'O                                                                                                             |          |
| fl                         | '82DE'O                                                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                                                   |          |

| Structured Type Constraint |                                                                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FrqI_20_B0                                                                                                                        |          |
| <b>Structured Type:</b>    | FRQL                                                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                                                   |          |
| <b>Comments:</b>           | Complete Cell Allocation of cell B in HO cases.<br>all of the CA: ARFCN_list={14,18,22,24,30,31,38,40,60,66,73,74,75,76,108,114}. |          |
| Element Name               | Element Value                                                                                                                     | Comments |
| iei                        | '00000101'B                                                                                                                       |          |
| iel                        | '10'O                                                                                                                             |          |
| fl                         | '0002080000000F02080000A060A22000'<br>O                                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                                                                   |          |

| Structured Type Constraint |                                                                                                                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FrqI_20_B0d                                                                                                                                                                               |          |
| <b>Structured Type:</b>    | FRQL                                                                                                                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                           |          |
| <b>Comments:</b>           | frequency list, after time for cell B using 512 format.<br>List_ARFCN= complete cell allocation of cell B in HO cases.<br>739,743,746,749,756,758,761,764,771,779,782,791,798,829,832,844 |          |
| Element Name               | Element Value                                                                                                                                                                             | Comments |
| iei                        | '00000101'B                                                                                                                                                                               |          |
| iel                        | '0F'O                                                                                                                                                                                     |          |
| fl                         | '8971883C46FB700A8BDF7DF4324330'<br>O                                                                                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                           |          |

| Structured Type Constraint |                                                                                                       |          |
|----------------------------|-------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_20_B1                                                                                            |          |
| <b>Structured Type:</b>    | FRQL                                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                                       |          |
| <b>Comments:</b>           | frequency list, after time for cell B.<br>List_ARFCN={14,18,22,24,30,31,38,60,66,73,74,75,76,108,114} |          |
| Element Name               | Element Value                                                                                         | Comments |
| iei                        | '00000101'B                                                                                           |          |
| iel                        | '10'O                                                                                                 |          |
| fl                         | '0002080000000F020800002060A22000'<br>O                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                       |          |

| Structured Type Constraint |                                                                                                                                                          |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_20_B2                                                                                                                                               |          |
| <b>Structured Type:</b>    | FRQL                                                                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                                                          |          |
| <b>Comments:</b>           | frequency list, after time for cell B. Complete Cell Allocation of cell B in HO cases.<br>List_ARFCN={14,18,22,24,30,31,38,40,60,66,73,74,75,76,108,114} |          |
| Element Name               | Element Value                                                                                                                                            | Comments |
| iei                        | '00000101'B                                                                                                                                              |          |
| iel                        | '10'O                                                                                                                                                    |          |
| fl                         | '0002080000000F02080000A060A22000'<br>O                                                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                          |          |

| Structured Type Constraint |                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_20_B3                                                                                |          |
| <b>Structured Type:</b>    | FRQL                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                           |          |
| <b>Comments:</b>           | frequency list, after time for cell B. List_ARFCN={14,18,22,24,60,66,73,74,75,76,108,114} |          |
| Element Name               | Element Value                                                                             | Comments |
| iei                        | '00000101'B                                                                               |          |
| iel                        | '10'O                                                                                     |          |
| fl                         | '0002080000000F020800000000A22000'<br>O                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                           |          |

| Structured Type Constraint |                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_20_B4                                                                           |          |
| <b>Structured Type:</b>    | FRQL                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                      |          |
| <b>Comments:</b>           | frequency list, after time for cell B. List_ARFCN={40, 66, 73, 74, 75, 76, 108, 114} |          |
| Element Name               | Element Value                                                                        | Comments |
| iei                        | '00000101'B                                                                          |          |
| iel                        | '10'O                                                                                |          |
| fl                         | '00020800000001E0200000100000000'<br>O                                               |          |
| <b>Detailed Comments:</b>  |                                                                                      |          |

| Structured Type Constraint |                                                                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_20_B3d                                                                                                                    |          |
| <b>Structured Type:</b>    | FRQL                                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                                |          |
| <b>Comments:</b>           | frequency list, after time for cell B using 1024 format.<br>List_ARFCN={749, 758, 764, 771, 779, 782, 791, 798, 829, 832, 844} |          |
| Element Name               | Element Value                                                                                                                  | Comments |
| iei                        | '00000101'B                                                                                                                    |          |
| iel                        | '0C'O                                                                                                                          |          |
| fl                         | '830EF70BFEB843C3FBF9F1D0'O                                                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                                                                |          |

| Structured Type Constraint |                                                                                               |          |
|----------------------------|-----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_20_B4d                                                                                   |          |
| <b>Structured Type:</b>    | FRQL                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                               |          |
| <b>Comments:</b>           | frequency list, after time for cell B.<br>List_ARFCN={764, 779, 782, 791, 798, 829, 832, 844} |          |
| Element Name               | Element Value                                                                                 | Comments |
| iei                        | '00000101'B                                                                                   |          |
| iel                        | '0A'O                                                                                         |          |
| fl                         | '831EF808BF7F42433880'O                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                               |          |

| Structured Type Constraint |                                                                                                       |          |
|----------------------------|-------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_20_B5                                                                                            |          |
| <b>Structured Type:</b>    | FRQL                                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                                       |          |
| <b>Comments:</b>           | frequency list, after time for cell B.<br>List_ARFCN={14,18,22,24,30,31,38,60,66,73,74,75,76,108,114} |          |
| Element Name               | Element Value                                                                                         | Comments |
| iei                        | '00000101'B                                                                                           |          |
| iel                        | '10'O                                                                                                 |          |
| fl                         | '0002080000000F020800002060A22000'<br>O                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                       |          |

| Structured Type Constraint |                                                                                               |          |
|----------------------------|-----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_20_B5d                                                                                   |          |
| <b>Structured Type:</b>    | FRQL                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                               |          |
| <b>Comments:</b>           | frequency list, after time for cell B.<br>List_ARFCN={764, 779, 782, 791, 798, 829, 832, 844} |          |
| Element Name               | Element Value                                                                                 | Comments |
| iei                        | '00000101'B                                                                                   |          |
| iel                        | '0C'O                                                                                         |          |
| fl                         | '830EF58BFF784483FF79F1D0'O                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                               |          |

| Structured Type Constraint |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_20_B6                                                                    |          |
| <b>Structured Type:</b>    | FRQL                                                                          |          |
| <b>Derivation Path:</b>    |                                                                               |          |
| <b>Comments:</b>           | frequency list, after time for cell B. List_ARFCN={40,66,73,74,75,76,108,114} |          |
| Element Name               | Element Value                                                                 | Comments |
| iei                        | '00000101'B                                                                   |          |
| iel                        | '10'O                                                                         |          |
| fl                         | '0002080000000F020000008000000000'<br>O                                       |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| Structured Type Constraint |                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_20_B6d                                                                                |          |
| <b>Structured Type:</b>    | FRQL                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                            |          |
| <b>Comments:</b>           | frequency list, after time for cell B.<br>List_ARFCN={761,764,771,779,782,791,798,829,832} |          |
| Element Name               | Element Value                                                                              | Comments |
| iei                        | '00000101'B                                                                                |          |
| iel                        | '0B'O                                                                                      |          |
| fl                         | '830EFC8BFE784200FEF9'O                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                            |          |

| Structured Type Constraint |                                                                                                       |          |
|----------------------------|-------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_20_B7                                                                                            |          |
| <b>Structured Type:</b>    | FRQL                                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                                       |          |
| <b>Comments:</b>           | frequency list, after time for cell B.<br>List_ARFCN={14,18,22,24,30,31,38,60,66,73,74,75,76,108,114} |          |
| Element Name               | Element Value                                                                                         | Comments |
| iei                        | '00000101'B                                                                                           |          |
| iel                        | '10'O                                                                                                 |          |
| fl                         | '0002080000000F020800002040A22000'<br>O                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                       |          |

| Structured Type Constraint |                                                                                                                |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_20_B72                                                                                                    |          |
| <b>Structured Type:</b>    | FRQL                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                |          |
| <b>Comments:</b>           | frequency list, after time for cell B. List_ARFCN={14,18,22,24,30,31,38,40,60,66,73,74,75,108}<br>without 76 ! |          |
| Element Name               | Element Value                                                                                                  | Comments |
| iei                        | '00000101'B                                                                                                    |          |
| iel                        | '10'O                                                                                                          |          |
| fl                         | '0000080000000702080000A040A22000'<br>O                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                                |          |

| Structured Type Constraint |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_20_B7d                                                                      |          |
| <b>Structured Type:</b>    | FRQL                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                  |          |
| <b>Comments:</b>           | frequency list, after time for cell B using 128 format.<br>List_ARFCN={746, 779} |          |
| Element Name               | Element Value                                                                    | Comments |
| iei                        | '00000101'B                                                                      |          |
| iel                        | '03'O                                                                            |          |
| fl                         | '8D7521'O                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |

| Structured Type Constraint |                                                                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_20_B8d                                                                                                                                                                                |          |
| <b>Structured Type:</b>    | FRQL                                                                                                                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                            |          |
| <b>Comments:</b>           | frequency list, after time for cell B using 1024 format.<br>List_ARFCN= complete cell allocation of cell B in HO cases.<br>739,743,746,749,756,758,761,764,771,779,782,791,798,829,832,844 |          |
| Element Name               | Element Value                                                                                                                                                                              | Comments |
| iei                        | '00000101'B                                                                                                                                                                                |          |
| iel                        | '10'O                                                                                                                                                                                      |          |
| fl                         | '8303F886FDBC0148DEFDFBF41890633<br>C'O                                                                                                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                            |          |

| Structured Type Constraint |                                                                                                            |          |
|----------------------------|------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_20_B9d                                                                                                |          |
| <b>Structured Type:</b>    | FRQL                                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                                            |          |
| <b>Comments:</b>           | frequency list, after time for cell B using 256 format<br>List_ARFCN={746,749,756,761,764,798,829,832,844} |          |
| Element Name               | Element Value                                                                                              | Comments |
| iei                        | '00000101'B                                                                                                |          |
| iel                        | '08'O                                                                                                      |          |
| fl                         | '8B751A2245DFA198'O                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                            |          |

| Structured Type Constraint |                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_20_B10d                                                                       |          |
| <b>Structured Type:</b>    | FRQL                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                    |          |
| <b>Comments:</b>           | frequency list, after time for cell B using 256 format<br>List_ARFCN={764,779,782} |          |
| Element Name               | Element Value                                                                      | Comments |
| iei                        | '00000101'B                                                                        |          |
| iel                        | '05'O                                                                              |          |
| fl                         | '8B7E097D00'O                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                    |          |

| Structured Type Constraint |                                                                                                                                                             |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_20_11d                                                                                                                                                 |          |
| <b>Structured Type:</b>    | FRQL                                                                                                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                                                                                             |          |
| <b>Comments:</b>           | frequency list, after time for cell B using variable bir mapping format for 256<br>List_ARFCN={739,743,746,749,756,758,764,771,779,782,791,798,829,832,844} |          |
| Element Name               | Element Value                                                                                                                                               | Comments |
| iei                        | '00000101'B                                                                                                                                                 |          |
| iel                        | '0D'O                                                                                                                                                       |          |
| fl                         | '8B7194E965B3441FDBEA8339C'O                                                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                             |          |

| Structured Type Constraint |                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_20_B12d                                                                       |          |
| <b>Structured Type:</b>    | FRQL                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                    |          |
| <b>Comments:</b>           | frequency list, after time for cell B using 128 format<br>List_ARFCN={758,761,771} |          |
| Element Name               | Element Value                                                                      | Comments |
| iei                        | '00000101'B                                                                        |          |
| iel                        | '04'O                                                                              |          |
| fl                         | '8D7B0DD8'O                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                    |          |

| Structured Type Constraint |                                                                                                                         |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_20_A0E                                                                                                             |          |
| <b>Structured Type:</b>    | FRQL                                                                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                                                         |          |
| <b>Comments:</b>           | Complete Cell Allocation of cell A in EGSM cases using of 1024 format.<br>ARFCN_list={0, 30, 40, 66, 1005, 1010, 1015}. |          |
| Element Name               | Element Value                                                                                                           | Comments |
| iei                        | '00000101'B                                                                                                             |          |
| iel                        | '10'O                                                                                                                   |          |
| fl                         | '841EEA893EF98143800000000000000'<br>O                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                                         |          |

| Structured Type Constraint |                                           |          |
|----------------------------|-------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_21                                   |          |
| <b>Structured Type:</b>    | FRQL                                      |          |
| <b>Derivation Path:</b>    |                                           |          |
| <b>Comments:</b>           | ARFCNs = 61.. 124 for GSM of TC_26_6_6_1  |          |
| Element Name               | Element Value                             | Comments |
| iei                        | '00000101'B                               |          |
| iel                        | '10'O                                     |          |
| fl                         | '0FFFFFFFFFFFFFFFFF00000000000000'<br>0'O |          |
| <b>Detailed Comments:</b>  |                                           |          |



| Structured Type Constraint |                                              |          |
|----------------------------|----------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_26                                      |          |
| <b>Structured Type:</b>    | FRQL                                         |          |
| <b>Derivation Path:</b>    |                                              |          |
| <b>Comments:</b>           | ARFCNs = 11, ..., 74, for GSM of TC_26_6_6_1 |          |
| Element Name               | Element Value                                | Comments |
| iei                        | '00000101'B                                  |          |
| iel                        | '10'O                                        |          |
| fl                         | '000000000000003FFFFFFFFFFFFFFFC0<br>0'O     |          |
| <b>Detailed Comments:</b>  |                                              |          |

| Structured Type Constraint |                                              |          |
|----------------------------|----------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_27                                      |          |
| <b>Structured Type:</b>    | FRQL                                         |          |
| <b>Derivation Path:</b>    |                                              |          |
| <b>Comments:</b>           | ARFCNs = 31, ..., 94, for GSM of TC_26_6_6_1 |          |
| Element Name               | Element Value                                | Comments |
| iei                        | '00000101'B                                  |          |
| iel                        | '10'O                                        |          |
| fl                         | '000000003FFFFFFFFFFFFFFFC000000<br>0'O      |          |
| <b>Detailed Comments:</b>  |                                              |          |

| Structured Type Constraint |                                              |          |
|----------------------------|----------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_28                                      |          |
| <b>Structured Type:</b>    | FRQL                                         |          |
| <b>Derivation Path:</b>    |                                              |          |
| <b>Comments:</b>           | ARFCNs = 51, ...,114, for GSM of TC_26_6_6_1 |          |
| Element Name               | Element Value                                | Comments |
| iei                        | '00000101'B                                  |          |
| iel                        | '10'O                                        |          |
| fl                         | '0003FFFFFFFFFFFFFFFC00000000000<br>0'O      |          |
| <b>Detailed Comments:</b>  |                                              |          |

| Structured Type Constraint |                                                |          |
|----------------------------|------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_29                                        |          |
| <b>Structured Type:</b>    | FRQL                                           |          |
| <b>Derivation Path:</b>    |                                                |          |
| <b>Comments:</b>           | ARFCNs = 749, ..., 812, for DCS of TC_26_6_6_1 |          |
| Element Name               | Element Value                                  | Comments |
| iei                        | '00000101'B                                    |          |
| iel                        | '10'O                                          |          |
| fl                         | '8F5E8000000000FFFFFFFFFFFFFFF<br>F'O          |          |
| <b>Detailed Comments:</b>  |                                                |          |



| Structured Type Constraint |                                                |          |
|----------------------------|------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_30                                        |          |
| <b>Structured Type:</b>    | FRQL                                           |          |
| <b>Derivation Path:</b>    |                                                |          |
| <b>Comments:</b>           | ARFCNs = 749, ..., 812, for DCS of TC_26_6_6_1 |          |
| Element Name               | Element Value                                  | Comments |
| iei                        | '00000101'B                                    |          |
| iel                        | '10'O                                          |          |
| fl                         | '8F5EFFFFFFFFFFFFFFFF800000000000'O            |          |
| <b>Detailed Comments:</b>  |                                                |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_31                                                                                     |          |
| <b>Structured Type:</b>    | FRQL                                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                             |          |
| <b>Comments:</b>           | ARFCNs = 702, 704, ..., 812, 733, 741, 749, 757, 765, 773, 781, 789, for DCS of TC_26_6_6_1 |          |
| Element Name               | Element Value                                                                               | Comments |
| iei                        | '00000101'B                                                                                 |          |
| iel                        | '10'O                                                                                       |          |
| fl                         | '8F5ED5555555D5D5D5D5D5D55555'O                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_32                                                                                     |          |
| <b>Structured Type:</b>    | FRQL                                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                             |          |
| <b>Comments:</b>           | ARFCNs = 717, ..., 724, 733, ..., 744, 757, ..., 760, 773, ..., 812, for DCS of TC_26_6_6_1 |          |
| Element Name               | Element Value                                                                               | Comments |
| iei                        | '00000101'B                                                                                 |          |
| iel                        | '10'O                                                                                       |          |
| fl                         | '8F5E8000FF00FFF000F000FFFFFFFFF'O                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                                                                                                                                                                                   |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_33                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | FRQL                                                                                                                                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                   |          |
| <b>Comments:</b>           | ARFCNs: 702, ..., 732, 749, 750, 754, ..., 756, 758, 762, ..., 764, 766, 770, ..., 772, 774, 778, ..., 780, 782, 786, ..., 788, 790, 794, ..., 796, 798, 802, ..., 804, 806, 810, ..., 812 for DCS of TC_26_6_6_1 |          |
| Element Name               | Element Value                                                                                                                                                                                                     | Comments |
| iei                        | '00000101'B                                                                                                                                                                                                       |          |
| iel                        | '10'O                                                                                                                                                                                                             |          |
| fl                         | '8F5EFFFFFFFFF0004474747474747'O                                                                                                                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                   |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                   |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_34                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | FRQL                                                                                                                                                                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                   |          |
| <b>Comments:</b>           | ARFCNs = 707, 709, ..., 713, 715, 717, ..., 721, 723, 725, ..., 729, 731, 733, ..., 737, 739, 741, ..., 745, 747, 749, ..., 753, 755, 757, ..., 761, 763, 765, ..., 769, 771, 779, 787, 795, 798, ..., 803, 806, ..., 811, for DCS of TC_26_6_6_1 |          |
| Element Name               | Element Value                                                                                                                                                                                                                                     | Comments |
| iei                        | '00000101'B                                                                                                                                                                                                                                       |          |
| iel                        | '10'O                                                                                                                                                                                                                                             |          |
| fl                         | '8F5E82FAFAFAFAFAFAFAFA0202027E7E'O                                                                                                                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                   |          |

| Structured Type Constraint |                                                                                                                                                                                                                 |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_35                                                                                                                                                                                                         |          |
| <b>Structured Type:</b>    | FRQL                                                                                                                                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                 |          |
| <b>Comments:</b>           | ARFCNs = 705, ..., 736, 749, 751, 753, 755, 757, 759, 761, 763, 765, 767, 769, 771, 773, 775, 777, 779, 781, 783, 785, 787, 789, 791, 793, 795, 797, 799, 801, 803, 805, 807, 809, 811 , for DCS of TC_26_6_6_1 |          |
| Element Name               | Element Value                                                                                                                                                                                                   | Comments |
| iei                        | '00000101'B                                                                                                                                                                                                     |          |
| iel                        | '10'O                                                                                                                                                                                                           |          |
| fl                         | '8F5E8FFFFFFFFF000AAAAAAAAAAAAAAA'O                                                                                                                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                 |          |

| Structured Type Constraint |                                                                                                                                                                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_36                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | FRQL                                                                                                                                                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                   |          |
| <b>Comments:</b>           | ARFCNs = 702, 704, 706, 708, 710, 712, 714, 716, 718, 720, 722, 724, 726, 728, 730, 732, 734, 76, 738, 740, 742, 744, 746, 748, 750, 852, 754, 756, 758, 760, 762, 764, ..., 780, 789, ..., 796, 805, 812, for DCS of TC_26_6_6_1 |          |
| Element Name               | Element Value                                                                                                                                                                                                                     | Comments |
| iei                        | '00000101'B                                                                                                                                                                                                                       |          |
| iel                        | '10'O                                                                                                                                                                                                                             |          |
| fl                         | '8F5ED5555555555555555555FFFF00FF00FF'O                                                                                                                                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                   |          |

| Structured Type Constraint |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Frql_37                                                        |          |
| <b>Structured Type:</b>    | FRQL                                                           |          |
| <b>Derivation Path:</b>    |                                                                |          |
| <b>Comments:</b>           | ARFCNs = 717, ..., 748, 765, ..., 796 , for DCS of TC_26_6_6_1 |          |
| Element Name               | Element Value                                                  | Comments |
| iei                        | '00000101'B                                                    |          |
| iel                        | '10'O                                                          |          |
| fl                         | '8F5E8000FFFFFFFF000FFFFFFFFF0000'O                            |          |
| <b>Detailed Comments:</b>  |                                                                |          |

| Structured Type Constraint |                                                                                       |          |
|----------------------------|---------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Hlcmp_NotApplicable                                                                   |          |
| <b>Structured Type:</b>    | HLCMP                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                       |          |
| <b>Comments:</b>           | High Layer Compatibility IE wich is not applicable for a specific service (empty IE). |          |
| Element Name               | Element Value                                                                         | Comments |
| iei                        | '01111101'B                                                                           |          |
| iel                        | '00'O                                                                                 |          |
| extb3                      | OMIT                                                                                  |          |
| cs                         | OMIT                                                                                  |          |
| in                         | OMIT                                                                                  |          |
| pmpp                       | OMIT                                                                                  |          |
| extb4                      | OMIT                                                                                  |          |
| hlci                       | OMIT                                                                                  |          |
| extb4a                     | OMIT                                                                                  |          |
| ehlci                      | OMIT                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                       |          |

| Structured Type Constraint |                                                         |          |
|----------------------------|---------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Hlcmp_Setup_TS11_12                                     |          |
| <b>Structured Type:</b>    | HLCMP                                                   |          |
| <b>Derivation Path:</b>    |                                                         |          |
| <b>Comments:</b>           | High Layer Compatibility IE for teleservices 11 and 12. |          |
| Element Name               | Element Value                                           | Comments |
| iei                        | '01111101'B                                             |          |
| iel                        | '02'O                                                   |          |
| extb3                      | '1'B                                                    |          |
| cs                         | '00'B                                                   |          |
| in                         | '100'B                                                  |          |
| pmpp                       | '01'B                                                   |          |
| extb4                      | '?'B                                                    |          |
| hlci                       | '0000001'B                                              |          |
| extb4a                     | *                                                       |          |
| ehlci                      | *                                                       |          |
| <b>Detailed Comments:</b>  |                                                         |          |

| Structured Type Constraint |                                                 |          |
|----------------------------|-------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Hlcmp_Setup_TS61                                |          |
| <b>Structured Type:</b>    | HLCMP                                           |          |
| <b>Derivation Path:</b>    |                                                 |          |
| <b>Comments:</b>           | High Layer Compatibility IE for teleservice 61. |          |
| Element Name               | Element Value                                   | Comments |
| iei                        | '01111101'B                                     |          |
| iel                        | '02'O                                           |          |
| extb3                      | '1'B                                            |          |
| cs                         | '00'B                                           |          |
| in                         | '100'B                                          |          |
| pmpp                       | '01'B                                           |          |
| extb4                      | '?'B                                            |          |
| hlci                       | '0000100'B                                      |          |
| extb4a                     | *                                               |          |
| ehlci                      | *                                               |          |
| <b>Detailed Comments:</b>  |                                                 |          |

| Structured Type Constraint |                                                 |          |
|----------------------------|-------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Hlcmp_Setup_TS62                                |          |
| <b>Structured Type:</b>    | HLCMP                                           |          |
| <b>Derivation Path:</b>    |                                                 |          |
| <b>Comments:</b>           | High Layer Compatibility IE for teleservice 62. |          |
| Element Name               | Element Value                                   | Comments |
| iei                        | '01111101'B                                     |          |
| iel                        | '02'O                                           |          |
| extb3                      | '1'B                                            |          |
| cs                         | '00'B                                           |          |
| in                         | '100'B                                          |          |
| pmp                        | '01'B                                           |          |
| extb4                      | '?'B                                            |          |
| hlci                       | '0000001'B                                      |          |
| extb4a                     | *                                               |          |
| ehlci                      | *                                               |          |
| <b>Detailed Comments:</b>  |                                                 |          |

| Structured Type Constraint |                         |          |
|----------------------------|-------------------------|----------|
| <b>Constraint Name:</b>    | IaRestOct_01            |          |
| <b>Structured Type:</b>    | IARESTOCT               |          |
| <b>Derivation Path:</b>    |                         |          |
| <b>Comments:</b>           |                         |          |
| Element Name               | Element Value           | Comments |
| iei                        | OMIT                    |          |
| iaroct1                    | '2B2B2B2B2B2B2B2B2B2B'O |          |
| iaroct2                    | OMIT                    |          |
| <b>Detailed Comments:</b>  |                         |          |

| Structured Type Constraint |                         |          |
|----------------------------|-------------------------|----------|
| <b>Constraint Name:</b>    | IaRestOct_02            |          |
| <b>Structured Type:</b>    | IARESTOCT               |          |
| <b>Derivation Path:</b>    |                         |          |
| <b>Comments:</b>           |                         |          |
| Element Name               | Element Value           | Comments |
| iei                        | OMIT                    |          |
| iaroct1                    | '2B2B2B2B2B2B2B2B2B2B'O |          |
| iaroct2                    | OMIT                    |          |
| <b>Detailed Comments:</b>  |                         |          |

| Structured Type Constraint |                       |          |
|----------------------------|-----------------------|----------|
| <b>Constraint Name:</b>    | IaRestOct_03          |          |
| <b>Structured Type:</b>    | IARESTOCT             |          |
| <b>Derivation Path:</b>    |                       |          |
| <b>Comments:</b>           | used in TC_26_6_13_9. |          |
| Element Name               | Element Value         | Comments |
| iei                        | OMIT                  |          |
| iaroct1                    | OMIT                  |          |
| iaroct2                    | IaRestOct2_01         |          |
| <b>Detailed Comments:</b>  |                       |          |

| Structured Type Constraint |                        |          |
|----------------------------|------------------------|----------|
| <b>Constraint Name:</b>    | laRestOct_04           |          |
| <b>Structured Type:</b>    | IARESTOCT              |          |
| <b>Derivation Path:</b>    |                        |          |
| <b>Comments:</b>           | used in TC_26_6_13_10. |          |
| Element Name               | Element Value          | Comments |
| iei                        | OMIT                   |          |
| iaroct1                    | OMIT                   |          |
| iaroct2                    | laRestOct2_02          |          |
| <b>Detailed Comments:</b>  |                        |          |

| Structured Type Constraint |                           |          |
|----------------------------|---------------------------|----------|
| <b>Constraint Name:</b>    | laRestOct_05              |          |
| <b>Structured Type:</b>    | IARESTOCT                 |          |
| <b>Derivation Path:</b>    |                           |          |
| <b>Comments:</b>           |                           |          |
| Element Name               | Element Value             | Comments |
| iei                        | OMIT                      |          |
| iaroct1                    | '1A4C6B8EAF37B21A2D5B65'O |          |
| iaroct2                    | OMIT                      |          |
| <b>Detailed Comments:</b>  |                           |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | laRestOct_06  |          |
| <b>Structured Type:</b>    | IARESTOCT     |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | OMIT          |          |
| iaroct1                    | '2B2B2B'O     |          |
| iaroct2                    | OMIT          |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                   |          |
|----------------------------|-------------------|----------|
| <b>Constraint Name:</b>    | laRestOct_08      |          |
| <b>Structured Type:</b>    | IARESTOCT         |          |
| <b>Derivation Path:</b>    |                   |          |
| <b>Comments:</b>           |                   |          |
| Element Name               | Element Value     | Comments |
| iei                        | OMIT              |          |
| iaroct1                    | '2B2B2B2B2B2B2B'O |          |
| iaroct2                    | OMIT              |          |
| <b>Detailed Comments:</b>  |                   |          |

| Structured Type Constraint |                     |          |
|----------------------------|---------------------|----------|
| <b>Constraint Name:</b>    | laRestOct_09        |          |
| <b>Structured Type:</b>    | IARESTOCT           |          |
| <b>Derivation Path:</b>    |                     |          |
| <b>Comments:</b>           |                     |          |
| Element Name               | Element Value       | Comments |
| iei                        | OMIT                |          |
| iaroct1                    | '2B2B2B2B2B2B2B2B'O |          |
| iaroct2                    | OMIT                |          |
| <b>Detailed Comments:</b>  |                     |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | IaRestOct2_01 |          |
| <b>Structured Type:</b>    | IARESTOCT2    |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| p                          | '10'B         |          |
| frqparalen                 | '000010'B     |          |
| spbt1                      | '00'B         |          |
| maio                       | TSPX_Maio29   |          |
| ma                         | TSPX_Ma29     |          |
| spbt2                      | '2B2B2B2B'O   |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | IaRestOct2_02 |          |
| <b>Structured Type:</b>    | IARESTOCT2    |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| p                          | '10'B         |          |
| frqparalen                 | '000010'B     |          |
| spbt1                      | '00'B         |          |
| maio                       | TSPX_Maio31   |          |
| ma                         | TSPX_Ma31     |          |
| spbt2                      | '2B2B2B2B'O   |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                                |          |
|----------------------------|--------------------------------|----------|
| <b>Constraint Name:</b>    | KeyPad_01(character:IA5String) |          |
| <b>Structured Type:</b>    | KPF                            |          |
| <b>Derivation Path:</b>    |                                |          |
| <b>Comments:</b>           |                                |          |
| Element Name               | Element Value                  | Comments |
| iei                        | '00101100'B                    |          |
| extb                       | '0'B                           |          |
| kpf_info                   | character                      |          |
| <b>Detailed Comments:</b>  |                                |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | KeyPad_02     |          |
| <b>Structured Type:</b>    | KPF           |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '00101100'B   |          |
| extb                       | '0'B          |          |
| kpf_info                   | ?             |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B121_300_1                                                                                                                                                                                                                                                                                                            |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                   |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.2.1. of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B121_300_1.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                     | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                       |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                       |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                             |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                                          |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                 |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                             |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                          |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                 |          |
| strc                       | '100'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                           |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                             |          |
| uil1                       | '00001'B                                                                                                                                                                                                                                                                                                                          |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                                                 |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                                              |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                                              |          |
| ur                         | '11110'B                                                                                                                                                                                                                                                                                                                          |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                 |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                             |          |
| nictx                      | '0'B                                                                                                                                                                                                                                                                                                                              |          |
| nicrx                      | '0'B                                                                                                                                                                                                                                                                                                                              |          |
| fctx                       | '0'B                                                                                                                                                                                                                                                                                                                              |          |
| fcrx                       | '0'B                                                                                                                                                                                                                                                                                                                              |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                              |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| extb5c                     | ?                                                                                                                                                                                                                                                                                                                                 |          |
| nsb                        | ('01'B, '11'B)                                                                                                                                                                                                                                                                                                                    |          |
| ndb                        | '10'B                                                                                                                                                                                                                                                                                                                             |          |
| pi                         | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                          |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| modemt                     | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B) IF_PRESENT                                                                                                                                                                                                                                                     |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                 |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                   |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |



| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                   |          |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Llcmp_Setup_B121_300_2                                                                                                                                                                                                                                                                                                            |          |
| <b>Structured Type:</b>           | LLCMP                                                                                                                                                                                                                                                                                                                             |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                   |          |
| <b>Comments:</b>                  | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.2.1. of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B121_300_2.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                     | Comments |
| iei                               | '01111100'B                                                                                                                                                                                                                                                                                                                       |          |
| iel                               | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                       |          |
| extb3                             | ?                                                                                                                                                                                                                                                                                                                                 |          |
| cs                                | '00'B                                                                                                                                                                                                                                                                                                                             |          |
| itc                               | '01000'B                                                                                                                                                                                                                                                                                                                          |          |
| extb3a                            | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| negind                            | *                                                                                                                                                                                                                                                                                                                                 |          |
| spb3a                             | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb4                             | ?                                                                                                                                                                                                                                                                                                                                 |          |
| tm                                | '00'B                                                                                                                                                                                                                                                                                                                             |          |
| itr                               | '10000'B                                                                                                                                                                                                                                                                                                                          |          |
| extb4a                            | *                                                                                                                                                                                                                                                                                                                                 |          |
| strc                              | '100'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| config                            | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| est                               | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| extb4b                            | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| sym                               | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| itrdo                             | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                           |          |
| extb5                             | ?                                                                                                                                                                                                                                                                                                                                 |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                             |          |
| uil1                              | '00001'B                                                                                                                                                                                                                                                                                                                          |          |
| extb5a                            | ?                                                                                                                                                                                                                                                                                                                                 |          |
| sb                                | '1'B                                                                                                                                                                                                                                                                                                                              |          |
| neg                               | '0'B                                                                                                                                                                                                                                                                                                                              |          |
| ur                                | '11110'B                                                                                                                                                                                                                                                                                                                          |          |
| extb5b1                           | ?                                                                                                                                                                                                                                                                                                                                 |          |
| ir                                | '10'B                                                                                                                                                                                                                                                                                                                             |          |
| nictx                             | '0'B                                                                                                                                                                                                                                                                                                                              |          |
| nicrx                             | '0'B                                                                                                                                                                                                                                                                                                                              |          |
| fctx                              | '0'B                                                                                                                                                                                                                                                                                                                              |          |
| fcrx                              | '0'B                                                                                                                                                                                                                                                                                                                              |          |
| spb5b1                            | '0'B                                                                                                                                                                                                                                                                                                                              |          |
| extb5b2                           | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| hdrb                              | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| mfs                               | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| mode                              | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| llineg                            | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| ass                               | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| ibob                              | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| spb5b2                            | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| extb5c                            | ?                                                                                                                                                                                                                                                                                                                                 |          |
| nsb                               | ('01'B, '11'B)                                                                                                                                                                                                                                                                                                                    |          |
| ndb                               | '11'B                                                                                                                                                                                                                                                                                                                             |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                            |          |
| extb5d                            | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| dplxm                             | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| modemt                            | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B) IF_PRESENT                                                                                                                                                                                                                                                     |          |
| extb6                             | *                                                                                                                                                                                                                                                                                                                                 |          |
| l2id                              | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| uil2                              | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                   |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B121_1200_1                                                                                                                                                                                                                                                                                                            |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                    |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.2.1. of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B121_1200_1.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                      | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                        |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                        |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                  |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                              |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                                           |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                  |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                  |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                              |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                           |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                  |          |
| strc                       | '100'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                            |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                  |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                              |          |
| uil1                       | '00001'B                                                                                                                                                                                                                                                                                                                           |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                                                  |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                                               |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| ur                         | '00001'B                                                                                                                                                                                                                                                                                                                           |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                  |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                              |          |
| nictx                      | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| nicrx                      | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| fctx                       | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| fcrx                       | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| extb5c                     | ?                                                                                                                                                                                                                                                                                                                                  |          |
| nsb                        | ('01'B, '11'B)                                                                                                                                                                                                                                                                                                                     |          |
| ndb                        | '10'B                                                                                                                                                                                                                                                                                                                              |          |
| pi                         | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                           |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                            |          |
| modemt                     | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B) IF_PRESENT                                                                                                                                                                                                                                                      |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                  |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                    |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B121_1200_2                                                                                                                                                                                                                                                                                                            |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                    |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.2.1. of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B121_1200_2.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                      | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                        |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                        |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                  |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                              |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                                           |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                  |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                  |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                              |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                           |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                  |          |
| strc                       | '100'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                            |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                  |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                              |          |
| uil1                       | '00001'B                                                                                                                                                                                                                                                                                                                           |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                                                  |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                                               |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| ur                         | '00001'B                                                                                                                                                                                                                                                                                                                           |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                  |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                              |          |
| nictx                      | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| nicrx                      | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| fctx                       | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| fcrx                       | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| extb5c                     | ?                                                                                                                                                                                                                                                                                                                                  |          |
| nsb                        | ('01'B, '11'B)                                                                                                                                                                                                                                                                                                                     |          |
| ndb                        | '11'B                                                                                                                                                                                                                                                                                                                              |          |
| pi                         | '011'B                                                                                                                                                                                                                                                                                                                             |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                            |          |
| modemt                     | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B) IF_PRESENT                                                                                                                                                                                                                                                      |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                  |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                    |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B121_120075_1                                                                                                                                                                                                                                                                                                            |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                      |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.2.1. of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B121_120075_1.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                        | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                          |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                          |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                    |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                                |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                                             |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                    |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                    |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                                |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                             |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                    |          |
| strc                       | '100'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                              |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                    |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                                |          |
| uil1                       | '00001'B                                                                                                                                                                                                                                                                                                                             |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                                                    |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                                                 |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                                                 |          |
| ur                         | '10111'B                                                                                                                                                                                                                                                                                                                             |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                    |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                                |          |
| nictx                      | '0'B                                                                                                                                                                                                                                                                                                                                 |          |
| nicrx                      | '0'B                                                                                                                                                                                                                                                                                                                                 |          |
| fctx                       | '0'B                                                                                                                                                                                                                                                                                                                                 |          |
| fcrx                       | '0'B                                                                                                                                                                                                                                                                                                                                 |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                                 |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| extb5c                     | ?                                                                                                                                                                                                                                                                                                                                    |          |
| nsb                        | ('01'B, '11'B)                                                                                                                                                                                                                                                                                                                       |          |
| ndb                        | '10'B                                                                                                                                                                                                                                                                                                                                |          |
| pi                         | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                             |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| modemt                     | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B) IF_PRESENT                                                                                                                                                                                                                                                        |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                    |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                      |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |



| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B121_120075_2                                                                                                                                                                                                                                                                                                            |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                      |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.2.1. of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B121_120075_2.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                        | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                          |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                          |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                    |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                                |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                                             |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                    |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                    |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                                |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                             |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                    |          |
| strc                       | '100'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                              |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                    |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                                |          |
| uil1                       | '00001'B                                                                                                                                                                                                                                                                                                                             |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                                                    |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                                                 |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                                                 |          |
| ur                         | '10111'B                                                                                                                                                                                                                                                                                                                             |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                    |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                                |          |
| nictx                      | '0'B                                                                                                                                                                                                                                                                                                                                 |          |
| nicrx                      | '0'B                                                                                                                                                                                                                                                                                                                                 |          |
| fctx                       | '0'B                                                                                                                                                                                                                                                                                                                                 |          |
| fcrx                       | '0'B                                                                                                                                                                                                                                                                                                                                 |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                                 |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| extb5c                     | ?                                                                                                                                                                                                                                                                                                                                    |          |
| nsb                        | ('01'B, '11'B)                                                                                                                                                                                                                                                                                                                       |          |
| ndb                        | '11'B                                                                                                                                                                                                                                                                                                                                |          |
| pi                         | '011'B                                                                                                                                                                                                                                                                                                                               |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| modemt                     | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B) IF_PRESENT                                                                                                                                                                                                                                                        |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                    |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                      |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B121_2400_1                                                                                                                                                                                                                                                                                                            |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                    |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.2.1. of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B121_2400_1.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                      | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                        |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                        |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                  |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                              |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                                           |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                  |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                  |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                              |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                           |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                  |          |
| strc                       | '100'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                            |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                  |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                              |          |
| uil1                       | '00001'B                                                                                                                                                                                                                                                                                                                           |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                                                  |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                                               |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| ur                         | '00011'B                                                                                                                                                                                                                                                                                                                           |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                  |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                              |          |
| nictx                      | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| nicrx                      | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| fctx                       | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| fcrx                       | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| extb5c                     | ?                                                                                                                                                                                                                                                                                                                                  |          |
| nsb                        | ('01'B, '11'B)                                                                                                                                                                                                                                                                                                                     |          |
| ndb                        | '10'B                                                                                                                                                                                                                                                                                                                              |          |
| pi                         | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                           |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                            |          |
| modemt                     | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B) IF_PRESENT                                                                                                                                                                                                                                                      |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                  |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                    |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B121_2400_2                                                                                                                                                                                                                                                                                                            |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                    |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.2.1. of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B121_2400_2.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                      | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                        |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                        |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                  |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                              |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                                           |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                  |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                  |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                              |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                           |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                  |          |
| strc                       | '100'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                            |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                  |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                              |          |
| uil1                       | '00001'B                                                                                                                                                                                                                                                                                                                           |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                                                  |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                                               |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| ur                         | '00011'B                                                                                                                                                                                                                                                                                                                           |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                  |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                              |          |
| nictx                      | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| nicrx                      | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| fctx                       | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| fcrx                       | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| extb5c                     | ?                                                                                                                                                                                                                                                                                                                                  |          |
| nsb                        | ('01'B, '11'B)                                                                                                                                                                                                                                                                                                                     |          |
| ndb                        | '11'B                                                                                                                                                                                                                                                                                                                              |          |
| pi                         | '011'B                                                                                                                                                                                                                                                                                                                             |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                            |          |
| modemt                     | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B) IF_PRESENT                                                                                                                                                                                                                                                      |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                  |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                    |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B121_4800_1                                                                                                                                                                                                                                                                                                            |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                    |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.2.1. of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B121_4800_1.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                      | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                        |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                        |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                  |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                              |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                                           |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                  |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                  |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                              |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                           |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                  |          |
| strc                       | '100'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                            |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                  |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                              |          |
| uil1                       | '00001'B                                                                                                                                                                                                                                                                                                                           |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                                                  |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                                               |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| ur                         | '00101'B                                                                                                                                                                                                                                                                                                                           |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                  |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                              |          |
| nictx                      | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| nicrx                      | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| fctx                       | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| fcrx                       | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| extb5c                     | ?                                                                                                                                                                                                                                                                                                                                  |          |
| nsb                        | ('01'B, '11'B)                                                                                                                                                                                                                                                                                                                     |          |
| ndb                        | '10'B                                                                                                                                                                                                                                                                                                                              |          |
| pi                         | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                           |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                            |          |
| modemt                     | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B) IF_PRESENT                                                                                                                                                                                                                                                      |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                  |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                    |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |



| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B121_4800_2                                                                                                                                                                                                                                                                                                            |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                    |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.2.1. of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B121_4800_2.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                      | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                        |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                        |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                  |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                              |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                                           |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                  |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                  |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                              |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                           |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                  |          |
| strc                       | '100'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                            |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                  |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                              |          |
| uil1                       | '00001'B                                                                                                                                                                                                                                                                                                                           |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                                                  |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                                               |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| ur                         | '00101'B                                                                                                                                                                                                                                                                                                                           |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                  |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                              |          |
| nictx                      | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| nicrx                      | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| fctx                       | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| fcrx                       | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| extb5c                     | ?                                                                                                                                                                                                                                                                                                                                  |          |
| nsb                        | ('01'B, '11'B)                                                                                                                                                                                                                                                                                                                     |          |
| ndb                        | '11'B                                                                                                                                                                                                                                                                                                                              |          |
| pi                         | '011'B                                                                                                                                                                                                                                                                                                                             |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                            |          |
| modemt                     | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B) IF_PRESENT                                                                                                                                                                                                                                                      |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                  |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                    |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B121_9600_1                                                                                                                                                                                                                                                                                                            |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                    |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.2.1. of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B121_9600_1.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                      | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                        |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                        |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                  |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                              |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                                           |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                  |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                  |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                              |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                           |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                  |          |
| strc                       | '100'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                            |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                  |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                              |          |
| uil1                       | '00001'B                                                                                                                                                                                                                                                                                                                           |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                                                  |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                                               |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| ur                         | '01000'B                                                                                                                                                                                                                                                                                                                           |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                  |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                              |          |
| nictx                      | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| nicrx                      | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| fctx                       | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| fcrx                       | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| extb5c                     | ?                                                                                                                                                                                                                                                                                                                                  |          |
| nsb                        | ('01'B, '11'B)                                                                                                                                                                                                                                                                                                                     |          |
| ndb                        | '10'B                                                                                                                                                                                                                                                                                                                              |          |
| pi                         | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                           |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                            |          |
| modemt                     | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B) IF_PRESENT                                                                                                                                                                                                                                                      |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                  |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                    |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B121_9600_2                                                                                                                                                                                                                                                                                                            |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                    |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.2.1. of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B121_9600_2.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                      | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                        |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                        |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                  |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                              |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                                           |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                  |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                  |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                              |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                           |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                  |          |
| strc                       | '100'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                            |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                  |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                              |          |
| uil1                       | '00001'B                                                                                                                                                                                                                                                                                                                           |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                                                  |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                                               |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| ur                         | '01000'B                                                                                                                                                                                                                                                                                                                           |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                  |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                              |          |
| nictx                      | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| nicrx                      | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| fctx                       | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| fcrx                       | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| extb5c                     | ?                                                                                                                                                                                                                                                                                                                                  |          |
| nsb                        | ('01'B, '11'B)                                                                                                                                                                                                                                                                                                                     |          |
| ndb                        | '11'B                                                                                                                                                                                                                                                                                                                              |          |
| pi                         | '011'B                                                                                                                                                                                                                                                                                                                             |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                            |          |
| modemt                     | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B) IF_PRESENT                                                                                                                                                                                                                                                      |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                  |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                    |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B121_9600_3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| <b>Comments:</b>           | <p>Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.2.1. of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B121_9600_3.</p> <p>This constraint is identical to Llcmp_Setup_B121_9600_1 because the differences between the two corresponding bearer capabilities IEs are not reflected in the low layer compatibilities IEs.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO!</p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| strc                       | '100'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| uil1                       | '00001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| ur                         | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| nictx                      | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| nicrx                      | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| fctx                       | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| fcrx                       | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb5c                     | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| nsb                        | ('01'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| ndb                        | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| pi                         | ('000'B, '010'B, '011'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| modemt                     | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |

|                           |                                 |  |
|---------------------------|---------------------------------|--|
| uil2                      | ('00110'B, '00111'B) IF_PRESENT |  |
| extb6a                    | '1'B IF_PRESENT                 |  |
| ol2pi                     | *                               |  |
| extb7                     | *                               |  |
| l3id                      | '11'B IF_PRESENT                |  |
| uil3                      | '00110'B IF_PRESENT             |  |
| extb7a                    | '1'B IF_PRESENT                 |  |
| ol3pi                     | *                               |  |
| <b>Detailed Comments:</b> |                                 |  |



| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B121_9600_4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| <b>Comments:</b>           | <p>Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.2.1. of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B121_9600_4.</p> <p>This constraint is identical to Llcmp_Setup_B121_9600_2 because the differences between the two corresponding bearer capabilities IEs are not reflected in the low layer compatibilities IEs.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO!</p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| strc                       | '100'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| uil1                       | '00001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| ur                         | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| nictx                      | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| nicrx                      | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| fctx                       | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| fcrx                       | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb5c                     | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| nsb                        | ('01'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| ndb                        | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| pi                         | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| modemt                     | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |

|                           |                                 |  |
|---------------------------|---------------------------------|--|
| uil2                      | ('00110'B, '00111'B) IF_PRESENT |  |
| extb6a                    | '1'B IF_PRESENT                 |  |
| ol2pi                     | *                               |  |
| extb7                     | *                               |  |
| l3id                      | '11'B IF_PRESENT                |  |
| uil3                      | '00110'B IF_PRESENT             |  |
| extb7a                    | '1'B IF_PRESENT                 |  |
| ol3pi                     | *                               |  |
| <b>Detailed Comments:</b> |                                 |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B122_300_1                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.2.2 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B122_300_1.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                    | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                      |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                      |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                            |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                         |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                            |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                         |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                   |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                          |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                            |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                         |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| sb                         | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                          |          |
| ur                         | '11110'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                            |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                             |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| nsb                        | ('01'B, '11'B) IF_PRESENT                                                                                                                                                                                                                                                                                                        |          |
| ndb                        | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| pi                         | ('000'B, '010'B, '011'B, '100'B, '101'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                           |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                          |          |
| modemt                     | '010001'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                  |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B122_300_2                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.2.2 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B122_300_2.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                    | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                      |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                      |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                            |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                         |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                            |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                         |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                   |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                          |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                            |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                         |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| sb                         | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                          |          |
| ur                         | '11110'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                            |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                             |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| nsb                        | ('01'B, '11'B) IF_PRESENT                                                                                                                                                                                                                                                                                                        |          |
| ndb                        | '11'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| pi                         | '011'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                          |          |
| modemt                     | '010001'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                  |          |
| extb6a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B122_1200_1                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                   |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.2.2 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B122_1200_1.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                     | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                       |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                       |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                             |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                          |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                 |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                             |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                          |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                 |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                    |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                           |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                             |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                          |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| sb                         | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| ur                         | '00001'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                 |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                             |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                              |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| nsb                        | ('01'B, '11'B) IF_PRESENT                                                                                                                                                                                                                                                                                                         |          |
| ndb                        | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| pi                         | ('000'B, '010'B, '011'B, '100'B, '101'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                            |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| modemt                     | '010010'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                 |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                   |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |



| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B122_1200_2                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                   |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.2.2 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B122_1200_2.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                     | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                       |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                       |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                             |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                          |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                 |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                             |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                          |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                 |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                    |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                           |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                             |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                          |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| sb                         | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| ur                         | '00001'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                 |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                             |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                              |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| nsb                        | ('01'B, '11'B) IF_PRESENT                                                                                                                                                                                                                                                                                                         |          |
| ndb                        | '11'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| pi                         | '011'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| modemt                     | '010010'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                 |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                   |          |
| extb6a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                     |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B122_120075_1                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                     |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.2.2 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B122_120075_1.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                       | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                         |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                         |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                   |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                               |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                            |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                   |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                   |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                               |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                            |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                   |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                      |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                             |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                   |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                               |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                            |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                        |          |
| sb                         | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| ur                         | '10111'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                   |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                               |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                        |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                        |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                        |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                        |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                                |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                                |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                                |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                                |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                                |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                                |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                                |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                                |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                                |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                        |          |
| nsb                        | ('01'B, '11'B) IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| ndb                        | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| pi                         | ('000'B, '010'B, '011'B, '100'B, '101'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                              |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| modemt                     | '010100'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                   |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                     |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                     |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B122_120075_2                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                     |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.2.2 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B122_120075_2.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                       | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                         |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                         |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                   |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                               |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                            |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                   |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                   |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                               |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                            |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                   |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                      |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                             |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                   |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                               |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                            |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                        |          |
| sb                         | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| ur                         | '10111'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                   |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                               |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                        |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                        |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                        |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                        |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                                |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                                |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                                |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                                |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                                |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                                |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                                |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                                |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                                |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                        |          |
| nsb                        | ('01'B, '11'B) IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| ndb                        | '11'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| pi                         | '011'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| modemt                     | '010100'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                   |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                     |          |
| extb6a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B122_2400_1                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                   |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.2.2 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B122_2400_1.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                     | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                       |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                       |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                             |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                          |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                 |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                             |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                          |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                 |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                    |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                           |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                             |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                          |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| sb                         | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| ur                         | '00011'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                 |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                             |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                              |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| nsb                        | ('01'B, '11'B) IF_PRESENT                                                                                                                                                                                                                                                                                                         |          |
| ndb                        | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| pi                         | ('000'B, '010'B, '011'B, '100'B, '101'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                            |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| modemt                     | ('010011'B, '010111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                 |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                 |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                   |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |



| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B122_2400_2                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                   |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.2.2 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B122_2400_2.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                     | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                       |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                       |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                             |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                          |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                 |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                             |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                          |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                 |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                    |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                           |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                             |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                          |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| sb                         | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| ur                         | '00011'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                 |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                             |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                              |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| nsb                        | ('01'B, '11'B) IF_PRESENT                                                                                                                                                                                                                                                                                                         |          |
| ndb                        | '11'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| pi                         | '011'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| dplxrn                     | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| modemt                     | ('010011'B, '010111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                 |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                 |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                   |          |
| extb6a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B122_4800_1                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                   |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.2.2 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B122_4800_1.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                     | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                       |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                       |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                             |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                          |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                 |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                             |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                          |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                 |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                    |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                           |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                             |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                          |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| sb                         | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| ur                         | '00101'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                 |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                             |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                              |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| nsb                        | ('01'B, '11'B) IF_PRESENT                                                                                                                                                                                                                                                                                                         |          |
| ndb                        | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| pi                         | ('000'B, '010'B, '011'B, '100'B, '101'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                            |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| modemt                     | '011100'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                 |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                   |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B122_4800_2                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                   |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.2.2 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B122_4800_2.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                     | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                       |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                       |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                             |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                          |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                 |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                             |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                          |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                 |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                    |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                           |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                             |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                          |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| sb                         | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| ur                         | '00101'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                 |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                             |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                              |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| nsb                        | ('01'B, '11'B) IF_PRESENT                                                                                                                                                                                                                                                                                                         |          |
| ndb                        | '11'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| pi                         | '011'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| modemt                     | '011100'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                 |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                   |          |
| extb6a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B122_9600_1                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                   |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.2.2 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B122_9600_1.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                     | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                       |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                       |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                             |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                          |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                 |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                             |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                          |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                 |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                    |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                           |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                             |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                          |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| sb                         | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| ur                         | '01000'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                 |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                             |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                              |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| nsb                        | ('01'B, '11'B) IF_PRESENT                                                                                                                                                                                                                                                                                                         |          |
| ndb                        | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| pi                         | ('000'B, '010'B, '011'B, '100'B, '101'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                            |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| modemt                     | '011100'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                 |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                   |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |



| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B122_9600_2                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                   |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.2.2 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B122_9600_2.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                     | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                       |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                       |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                             |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                          |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                 |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                             |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                          |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                 |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                    |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                           |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                             |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                          |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| sb                         | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| ur                         | '01000'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                 |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                             |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                              |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| nsb                        | ('01'B, '11'B) IF_PRESENT                                                                                                                                                                                                                                                                                                         |          |
| ndb                        | '11'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| pi                         | '011'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| modemt                     | '011100'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                 |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                   |          |
| extb6a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B122_9600_3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| <b>Comments:</b>           | <p>Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.2.2 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B122_9600_3.</p> <p>This constraint is identical to Llcmp_Setup_B122_9600_1 because the differences between the two corresponding bearer capabilities IEs are not reflected in the low layer compatibilities IEs.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO!</p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| sb                         | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ur                         | '01000'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nsb                        | ('01'B, '11'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| ndb                        | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| pi                         | ('000'B, '010'B, '011'B, '100'B, '101'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| dplx                       | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| modemt                     | '011100'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |

|                           |                                 |  |
|---------------------------|---------------------------------|--|
| uil2                      | ('00110'B, '00111'B) IF_PRESENT |  |
| extb6a                    | '1'B IF_PRESENT                 |  |
| ol2pi                     | *                               |  |
| extb7                     | *                               |  |
| l3id                      | '11'B IF_PRESENT                |  |
| uil3                      | '00110'B IF_PRESENT             |  |
| extb7a                    | '1'B IF_PRESENT                 |  |
| ol3pi                     | *                               |  |
| <b>Detailed Comments:</b> |                                 |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B122_9600_4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| <b>Comments:</b>           | <p>Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.2.2 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B122_9600_4.</p> <p>This constraint is identical to Llcmp_Setup_B122_9600_2 because the differences between the two corresponding bearer capabilities IEs are not reflected in the low layer compatibilities IEs.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO!</p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| sb                         | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ur                         | '01000'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nsb                        | ('01'B, '11'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| ndb                        | '11'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| pi                         | '011'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| modemt                     | '011100'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |

|                           |                                 |  |
|---------------------------|---------------------------------|--|
| uil2                      | ('00110'B, '00111'B) IF_PRESENT |  |
| extb6a                    | '1'B IF_PRESENT                 |  |
| ol2pi                     | *                               |  |
| extb7                     | *                               |  |
| l3id                      | '11'B IF_PRESENT                |  |
| uil3                      | '00110'B IF_PRESENT             |  |
| extb7a                    | '1'B IF_PRESENT                 |  |
| ol3pi                     | *                               |  |
| <b>Detailed Comments:</b> |                                 |  |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                    |          |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Llcmp_Setup_B1311_1200                                                                                                                                                                                                                                                                                                                             |          |
| <b>Structured Type:</b>           | LLCMP                                                                                                                                                                                                                                                                                                                                              |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                    |          |
| <b>Comments:</b>                  | <p>Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.3.1 of GSM 07.01.<br/> The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1311_1200.<br/> <b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                      | Comments |
| iei                               | '01111100'B                                                                                                                                                                                                                                                                                                                                        |          |
| iel                               | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                                        |          |
| extb3                             | ?                                                                                                                                                                                                                                                                                                                                                  |          |
| cs                                | '00'B                                                                                                                                                                                                                                                                                                                                              |          |
| itc                               | '01000'B                                                                                                                                                                                                                                                                                                                                           |          |
| extb3a                            | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                    |          |
| negind                            | *                                                                                                                                                                                                                                                                                                                                                  |          |
| spb3a                             | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                                               |          |
| extb4                             | ?                                                                                                                                                                                                                                                                                                                                                  |          |
| tm                                | '00'B                                                                                                                                                                                                                                                                                                                                              |          |
| itr                               | '10000'B                                                                                                                                                                                                                                                                                                                                           |          |
| extb4a                            | *                                                                                                                                                                                                                                                                                                                                                  |          |
| strc                              | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                                     |          |
| config                            | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                   |          |
| est                               | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                   |          |
| extb4b                            | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                    |          |
| sym                               | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                   |          |
| itrdo                             | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                                            |          |
| extb5                             | ?                                                                                                                                                                                                                                                                                                                                                  |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                              |          |
| uil1                              | '00001'B                                                                                                                                                                                                                                                                                                                                           |          |
| extb5a                            | ?                                                                                                                                                                                                                                                                                                                                                  |          |
| sb                                | '0'B                                                                                                                                                                                                                                                                                                                                               |          |
| neg                               | '0'B                                                                                                                                                                                                                                                                                                                                               |          |
| ur                                | '00001'B                                                                                                                                                                                                                                                                                                                                           |          |
| extb5b1                           | ?                                                                                                                                                                                                                                                                                                                                                  |          |
| ir                                | '01'B                                                                                                                                                                                                                                                                                                                                              |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                       |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                       |          |
| fctx                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                       |          |
| fcrx                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                       |          |
| spb5b1                            | '0'B                                                                                                                                                                                                                                                                                                                                               |          |
| extb5b2                           | OMIT                                                                                                                                                                                                                                                                                                                                               |          |
| hdrb                              | OMIT                                                                                                                                                                                                                                                                                                                                               |          |
| mfs                               | OMIT                                                                                                                                                                                                                                                                                                                                               |          |
| mode                              | OMIT                                                                                                                                                                                                                                                                                                                                               |          |
| llineg                            | OMIT                                                                                                                                                                                                                                                                                                                                               |          |
| ass                               | OMIT                                                                                                                                                                                                                                                                                                                                               |          |
| ibob                              | OMIT                                                                                                                                                                                                                                                                                                                                               |          |
| spb5b2                            | OMIT                                                                                                                                                                                                                                                                                                                                               |          |
| extb5c                            | ?                                                                                                                                                                                                                                                                                                                                                  |          |
| nsb                               | '01'B                                                                                                                                                                                                                                                                                                                                              |          |
| ndb                               | '11'B                                                                                                                                                                                                                                                                                                                                              |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                             |          |
| extb5d                            | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                    |          |
| dplxm                             | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                            |          |
| modemt                            | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                   |          |
| extb6                             | *                                                                                                                                                                                                                                                                                                                                                  |          |
| l2id                              | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                   |          |
| uil2                              | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |



| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                    |          |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Llcmp_Setup_B1311_2400                                                                                                                                                                                                                                                                                                                             |          |
| <b>Structured Type:</b>           | LLCMP                                                                                                                                                                                                                                                                                                                                              |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                    |          |
| <b>Comments:</b>                  | <p>Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.3.1 of GSM 07.01.<br/> The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1311_2400.<br/> <b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                      | Comments |
| iei                               | '01111100'B                                                                                                                                                                                                                                                                                                                                        |          |
| iel                               | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                                        |          |
| extb3                             | ?                                                                                                                                                                                                                                                                                                                                                  |          |
| cs                                | '00'B                                                                                                                                                                                                                                                                                                                                              |          |
| itc                               | '01000'B                                                                                                                                                                                                                                                                                                                                           |          |
| extb3a                            | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                    |          |
| negind                            | *                                                                                                                                                                                                                                                                                                                                                  |          |
| spb3a                             | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                                               |          |
| extb4                             | ?                                                                                                                                                                                                                                                                                                                                                  |          |
| tm                                | '00'B                                                                                                                                                                                                                                                                                                                                              |          |
| itr                               | '10000'B                                                                                                                                                                                                                                                                                                                                           |          |
| extb4a                            | *                                                                                                                                                                                                                                                                                                                                                  |          |
| strc                              | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                                     |          |
| config                            | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                   |          |
| est                               | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                   |          |
| extb4b                            | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                    |          |
| sym                               | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                   |          |
| itrdo                             | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                                            |          |
| extb5                             | ?                                                                                                                                                                                                                                                                                                                                                  |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                              |          |
| uil1                              | '00001'B                                                                                                                                                                                                                                                                                                                                           |          |
| extb5a                            | ?                                                                                                                                                                                                                                                                                                                                                  |          |
| sb                                | '0'B                                                                                                                                                                                                                                                                                                                                               |          |
| neg                               | '0'B                                                                                                                                                                                                                                                                                                                                               |          |
| ur                                | '00011'B                                                                                                                                                                                                                                                                                                                                           |          |
| extb5b1                           | ?                                                                                                                                                                                                                                                                                                                                                  |          |
| ir                                | '01'B                                                                                                                                                                                                                                                                                                                                              |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                       |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                       |          |
| fctx                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                       |          |
| fcrx                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                       |          |
| spb5b1                            | '0'B                                                                                                                                                                                                                                                                                                                                               |          |
| extb5b2                           | OMIT                                                                                                                                                                                                                                                                                                                                               |          |
| hdrb                              | OMIT                                                                                                                                                                                                                                                                                                                                               |          |
| mfs                               | OMIT                                                                                                                                                                                                                                                                                                                                               |          |
| mode                              | OMIT                                                                                                                                                                                                                                                                                                                                               |          |
| llineg                            | OMIT                                                                                                                                                                                                                                                                                                                                               |          |
| ass                               | OMIT                                                                                                                                                                                                                                                                                                                                               |          |
| ibob                              | OMIT                                                                                                                                                                                                                                                                                                                                               |          |
| spb5b2                            | OMIT                                                                                                                                                                                                                                                                                                                                               |          |
| extb5c                            | ?                                                                                                                                                                                                                                                                                                                                                  |          |
| nsb                               | '01'B                                                                                                                                                                                                                                                                                                                                              |          |
| ndb                               | '11'B                                                                                                                                                                                                                                                                                                                                              |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                             |          |
| extb5d                            | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                    |          |
| dplxrn                            | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                            |          |
| modemt                            | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                   |          |
| extb6                             | *                                                                                                                                                                                                                                                                                                                                                  |          |
| l2id                              | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                   |          |
| uil2                              | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                  |          |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Llcmp_Setup_B1311_4800                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>           | LLCMP                                                                                                                                                                                                                                                                                                                            |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>                  | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.3.1 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1311_4800.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                    | Comments |
| iei                               | '01111100'B                                                                                                                                                                                                                                                                                                                      |          |
| iel                               | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                      |          |
| extb3                             | ?                                                                                                                                                                                                                                                                                                                                |          |
| cs                                | '00'B                                                                                                                                                                                                                                                                                                                            |          |
| itc                               | '01000'B                                                                                                                                                                                                                                                                                                                         |          |
| extb3a                            | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| negind                            | *                                                                                                                                                                                                                                                                                                                                |          |
| spb3a                             | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb4                             | ?                                                                                                                                                                                                                                                                                                                                |          |
| tm                                | '00'B                                                                                                                                                                                                                                                                                                                            |          |
| itr                               | '10000'B                                                                                                                                                                                                                                                                                                                         |          |
| extb4a                            | *                                                                                                                                                                                                                                                                                                                                |          |
| strc                              | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                   |          |
| config                            | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| est                               | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| extb4b                            | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| sym                               | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| itrdo                             | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                          |          |
| extb5                             | ?                                                                                                                                                                                                                                                                                                                                |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                            |          |
| uil1                              | '00001'B                                                                                                                                                                                                                                                                                                                         |          |
| extb5a                            | ?                                                                                                                                                                                                                                                                                                                                |          |
| sb                                | '0'B                                                                                                                                                                                                                                                                                                                             |          |
| neg                               | '0'B                                                                                                                                                                                                                                                                                                                             |          |
| ur                                | '00101'B                                                                                                                                                                                                                                                                                                                         |          |
| extb5b1                           | ?                                                                                                                                                                                                                                                                                                                                |          |
| ir                                | '01'B                                                                                                                                                                                                                                                                                                                            |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| fctx                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| fcrx                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| spb5b1                            | '0'B                                                                                                                                                                                                                                                                                                                             |          |
| extb5b2                           | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| hdrb                              | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| mfs                               | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| mode                              | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| llineg                            | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| ass                               | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| ibob                              | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| spb5b2                            | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| extb5c                            | ?                                                                                                                                                                                                                                                                                                                                |          |
| nsb                               | '01'B                                                                                                                                                                                                                                                                                                                            |          |
| ndb                               | '11'B                                                                                                                                                                                                                                                                                                                            |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                           |          |
| extb5d                            | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| dplxrn                            | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                          |          |
| modemt                            | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B)<br>IF_PRESENT                                                                                                                                                                                                                                                 |          |
| extb6                             | *                                                                                                                                                                                                                                                                                                                                |          |
| l2id                              | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| uil2                              | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                  |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                  |          |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Llcmp_Setup_B1311_9600                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>           | LLCMP                                                                                                                                                                                                                                                                                                                            |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>                  | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.3.1 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1311_9600.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                    | Comments |
| iei                               | '01111100'B                                                                                                                                                                                                                                                                                                                      |          |
| iel                               | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                      |          |
| extb3                             | ?                                                                                                                                                                                                                                                                                                                                |          |
| cs                                | '00'B                                                                                                                                                                                                                                                                                                                            |          |
| itc                               | '01000'B                                                                                                                                                                                                                                                                                                                         |          |
| extb3a                            | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| negind                            | *                                                                                                                                                                                                                                                                                                                                |          |
| spb3a                             | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb4                             | ?                                                                                                                                                                                                                                                                                                                                |          |
| tm                                | '00'B                                                                                                                                                                                                                                                                                                                            |          |
| itr                               | '10000'B                                                                                                                                                                                                                                                                                                                         |          |
| extb4a                            | *                                                                                                                                                                                                                                                                                                                                |          |
| strc                              | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                   |          |
| config                            | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| est                               | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| extb4b                            | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| sym                               | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| itrdo                             | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                          |          |
| extb5                             | ?                                                                                                                                                                                                                                                                                                                                |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                            |          |
| uil1                              | '00001'B                                                                                                                                                                                                                                                                                                                         |          |
| extb5a                            | ?                                                                                                                                                                                                                                                                                                                                |          |
| sb                                | '0'B                                                                                                                                                                                                                                                                                                                             |          |
| neg                               | '0'B                                                                                                                                                                                                                                                                                                                             |          |
| ur                                | '01000'B                                                                                                                                                                                                                                                                                                                         |          |
| extb5b1                           | ?                                                                                                                                                                                                                                                                                                                                |          |
| ir                                | '10'B                                                                                                                                                                                                                                                                                                                            |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| fctx                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| fcrx                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| spb5b1                            | '0'B                                                                                                                                                                                                                                                                                                                             |          |
| extb5b2                           | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| hdrb                              | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| mfs                               | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| mode                              | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| llineg                            | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| ass                               | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| ibob                              | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| spb5b2                            | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| extb5c                            | ?                                                                                                                                                                                                                                                                                                                                |          |
| nsb                               | '01'B                                                                                                                                                                                                                                                                                                                            |          |
| ndb                               | '11'B                                                                                                                                                                                                                                                                                                                            |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                           |          |
| extb5d                            | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| dplxm                             | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                          |          |
| modemt                            | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B)<br>IF_PRESENT                                                                                                                                                                                                                                                 |          |
| extb6                             | *                                                                                                                                                                                                                                                                                                                                |          |
| l2id                              | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| uil2                              | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                  |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                                    |          |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Llcmp_Setup_B1312_2400                                                                                                                                                                                                                                                                                                                             |          |
| <b>Structured Type:</b>           | LLCMP                                                                                                                                                                                                                                                                                                                                              |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                                    |          |
| <b>Comments:</b>                  | <p>Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.3.1 of GSM 07.01.<br/> The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1312_2400.<br/> <b>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO!</b></p> |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                                      | Comments |
| iei                               | '01111100'B                                                                                                                                                                                                                                                                                                                                        |          |
| iel                               | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                                        |          |
| extb3                             | ?                                                                                                                                                                                                                                                                                                                                                  |          |
| cs                                | '00'B                                                                                                                                                                                                                                                                                                                                              |          |
| itc                               | '01000'B                                                                                                                                                                                                                                                                                                                                           |          |
| extb3a                            | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                    |          |
| negind                            | *                                                                                                                                                                                                                                                                                                                                                  |          |
| spb3a                             | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                                               |          |
| extb4                             | ?                                                                                                                                                                                                                                                                                                                                                  |          |
| tm                                | '00'B                                                                                                                                                                                                                                                                                                                                              |          |
| itr                               | '10000'B                                                                                                                                                                                                                                                                                                                                           |          |
| extb4a                            | *                                                                                                                                                                                                                                                                                                                                                  |          |
| strc                              | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                                     |          |
| config                            | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                   |          |
| est                               | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                   |          |
| extb4b                            | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                    |          |
| sym                               | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                   |          |
| itrdo                             | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                                            |          |
| extb5                             | ?                                                                                                                                                                                                                                                                                                                                                  |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                                              |          |
| uil1                              | '01001'B                                                                                                                                                                                                                                                                                                                                           |          |
| extb5a                            | ?                                                                                                                                                                                                                                                                                                                                                  |          |
| sb                                | '0'B                                                                                                                                                                                                                                                                                                                                               |          |
| neg                               | '0'B                                                                                                                                                                                                                                                                                                                                               |          |
| ur                                | '00011'B                                                                                                                                                                                                                                                                                                                                           |          |
| extb5b1                           | ?                                                                                                                                                                                                                                                                                                                                                  |          |
| ir                                | '10'B                                                                                                                                                                                                                                                                                                                                              |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                       |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                       |          |
| fctx                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                       |          |
| fcrx                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                       |          |
| spb5b1                            | '0'B                                                                                                                                                                                                                                                                                                                                               |          |
| extb5b2                           | OMIT                                                                                                                                                                                                                                                                                                                                               |          |
| hdrb                              | OMIT                                                                                                                                                                                                                                                                                                                                               |          |
| mfs                               | OMIT                                                                                                                                                                                                                                                                                                                                               |          |
| mode                              | OMIT                                                                                                                                                                                                                                                                                                                                               |          |
| llineg                            | OMIT                                                                                                                                                                                                                                                                                                                                               |          |
| ass                               | OMIT                                                                                                                                                                                                                                                                                                                                               |          |
| ibob                              | OMIT                                                                                                                                                                                                                                                                                                                                               |          |
| spb5b2                            | OMIT                                                                                                                                                                                                                                                                                                                                               |          |
| extb5c                            | ?                                                                                                                                                                                                                                                                                                                                                  |          |
| nsb                               | '01'B                                                                                                                                                                                                                                                                                                                                              |          |
| ndb                               | '11'B                                                                                                                                                                                                                                                                                                                                              |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                                             |          |
| extb5d                            | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                    |          |
| dplxm                             | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                            |          |
| modemt                            | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                   |          |
| extb6                             | *                                                                                                                                                                                                                                                                                                                                                  |          |
| l2id                              | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                   |          |
| uil2                              | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |



| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B1312_4800                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.3.1 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1312_4800.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                    | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                      |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                      |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                            |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                                         |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                            |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                         |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                   |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                          |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                            |          |
| uil1                       | '01001'B                                                                                                                                                                                                                                                                                                                         |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                                                |          |
| sb                         | '0'B                                                                                                                                                                                                                                                                                                                             |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                                             |          |
| ur                         | '00101'B                                                                                                                                                                                                                                                                                                                         |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                            |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                             |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| extb5c                     | ?                                                                                                                                                                                                                                                                                                                                |          |
| nsb                        | '01'B                                                                                                                                                                                                                                                                                                                            |          |
| ndb                        | '11'B                                                                                                                                                                                                                                                                                                                            |          |
| pi                         | '011'B                                                                                                                                                                                                                                                                                                                           |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                          |          |
| modemt                     | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B)<br>IF_PRESENT                                                                                                                                                                                                                                                 |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                  |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| <b>Structured Type Constraint</b> |                                                                                                                                                                                                                                                                                                                                  |          |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | Llcmp_Setup_B1312_9600                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>           | LLCMP                                                                                                                                                                                                                                                                                                                            |          |
| <b>Derivation Path:</b>           |                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>                  | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.3.1 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1312_9600.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name                      | Element Value                                                                                                                                                                                                                                                                                                                    | Comments |
| iei                               | '01111100'B                                                                                                                                                                                                                                                                                                                      |          |
| iel                               | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                      |          |
| extb3                             | ?                                                                                                                                                                                                                                                                                                                                |          |
| cs                                | '00'B                                                                                                                                                                                                                                                                                                                            |          |
| itc                               | '01000'B                                                                                                                                                                                                                                                                                                                         |          |
| extb3a                            | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| negind                            | *                                                                                                                                                                                                                                                                                                                                |          |
| spb3a                             | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb4                             | ?                                                                                                                                                                                                                                                                                                                                |          |
| tm                                | '00'B                                                                                                                                                                                                                                                                                                                            |          |
| itr                               | '10000'B                                                                                                                                                                                                                                                                                                                         |          |
| extb4a                            | *                                                                                                                                                                                                                                                                                                                                |          |
| strc                              | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                   |          |
| config                            | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| est                               | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| extb4b                            | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| sym                               | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| itrdo                             | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                          |          |
| extb5                             | ?                                                                                                                                                                                                                                                                                                                                |          |
| l1id                              | '01'B                                                                                                                                                                                                                                                                                                                            |          |
| uil1                              | '01001'B                                                                                                                                                                                                                                                                                                                         |          |
| extb5a                            | ?                                                                                                                                                                                                                                                                                                                                |          |
| sb                                | '0'B                                                                                                                                                                                                                                                                                                                             |          |
| neg                               | '0'B                                                                                                                                                                                                                                                                                                                             |          |
| ur                                | '01000'B                                                                                                                                                                                                                                                                                                                         |          |
| extb5b1                           | ?                                                                                                                                                                                                                                                                                                                                |          |
| ir                                | '10'B                                                                                                                                                                                                                                                                                                                            |          |
| nictx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| nicrx                             | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| fctx                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| fcrx                              | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| spb5b1                            | '0'B                                                                                                                                                                                                                                                                                                                             |          |
| extb5b2                           | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| hdrb                              | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| mfs                               | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| mode                              | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| llineg                            | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| ass                               | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| ibob                              | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| spb5b2                            | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| extb5c                            | ?                                                                                                                                                                                                                                                                                                                                |          |
| nsb                               | '01'B                                                                                                                                                                                                                                                                                                                            |          |
| ndb                               | '11'B                                                                                                                                                                                                                                                                                                                            |          |
| pi                                | '011'B                                                                                                                                                                                                                                                                                                                           |          |
| extb5d                            | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| dplxrn                            | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                          |          |
| modemt                            | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B)<br>IF_PRESENT                                                                                                                                                                                                                                                 |          |
| extb6                             | *                                                                                                                                                                                                                                                                                                                                |          |
| l2id                              | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| uil2                              | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                  |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B1321_1200                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.3.2 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1321_1200.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                    | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                      |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                      |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                            |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                         |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                            |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                         |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                   |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                          |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                            |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                         |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| sb                         | '0'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                          |          |
| ur                         | '00001'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                |          |
| ir                         | '01'B                                                                                                                                                                                                                                                                                                                            |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                             |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| nsb                        | '01'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| ndb                        | '11'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| pi                         | '011'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                          |          |
| modemt                     | '010010'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                  |          |
| extb6a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B1321_2400                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.3.2 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1321_2400.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                    | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                      |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                      |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                            |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                         |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                            |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                         |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                   |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                          |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                            |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                         |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| sb                         | '0'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                          |          |
| ur                         | '00011'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                |          |
| ir                         | '01'B                                                                                                                                                                                                                                                                                                                            |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                             |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| nsb                        | '01'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| ndb                        | '11'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| pi                         | '011'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                          |          |
| modemt                     | ('010011'B, '010111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                  |          |
| extb6a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |



| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B1321_4800                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.3.2 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1321_4800.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                    | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                      |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                      |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                            |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                         |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                            |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                         |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                   |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                          |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                            |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                         |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| sb                         | '0'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                          |          |
| ur                         | '00101'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                |          |
| ir                         | '01'B                                                                                                                                                                                                                                                                                                                            |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                             |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| nsb                        | '01'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| ndb                        | '11'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| pi                         | '011'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| dplxrn                     | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                          |          |
| modemt                     | '011100'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                  |          |
| extb6a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B1321_9600                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.3.2 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1321_9600.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                    | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                      |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                      |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                            |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                         |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                            |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                         |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                   |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                          |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                            |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                         |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| sb                         | '0'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                          |          |
| ur                         | '01000'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                            |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                             |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| nsb                        | '01'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| ndb                        | '11'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| pi                         | '011'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                          |          |
| modemt                     | '011100'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                  |          |
| extb6a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B1322_2400                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.3.2 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1322_2400.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                    | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                      |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                      |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                            |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                         |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                            |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                         |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                   |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                          |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                            |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                         |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| sb                         | '0'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                          |          |
| ur                         | '00011'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                            |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                             |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| nsb                        | '01'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| ndb                        | '11'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| pi                         | '011'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                          |          |
| modemt                     | ('010011'B, '010111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                  |          |
| extb6a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B1322_4800                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.3.2 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1322_4800.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                    | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                      |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                      |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                            |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                         |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                            |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                         |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                   |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                          |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                            |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                         |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| sb                         | '0'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                          |          |
| ur                         | '00101'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                            |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                             |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| nsb                        | '01'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| ndb                        | '11'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| pi                         | '011'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                          |          |
| modemt                     | '011100'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                  |          |
| extb6a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |



| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B1322_9600_1                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                    |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.3.2 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1322_9600_1.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                      | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                        |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                        |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                  |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                              |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                           |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                  |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                  |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                              |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                           |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                  |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                     |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                            |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                  |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                              |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                           |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                       |          |
| sb                         | '0'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                            |          |
| ur                         | '01000'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                  |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                              |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                       |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                       |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                       |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                       |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                               |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                               |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                       |          |
| nsb                        | '01'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| ndb                        | '11'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| pi                         | '011'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                            |          |
| modemt                     | '011100'B                                                                                                                                                                                                                                                                                                                          |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                  |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                    |          |
| extb6a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B1322_9600_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| <b>Comments:</b>           | <p>Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.3.2 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1322_9600_2.</p> <p>This constraint is identical to Bcap_Setup_B1322_9600_1 because the differences between the two corresponding bearer capabilities IEs are not reflected in the low layer compatibilities IEs.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO!</p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| sb                         | '0'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| ur                         | '01000'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| nsb                        | '01'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| ndb                        | '11'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| pi                         | '011'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| modemt                     | '011100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |

|                           |                                 |  |
|---------------------------|---------------------------------|--|
| uil2                      | ('00110'B, '00111'B) IF_PRESENT |  |
| extb6a                    | '1'B IF_PRESENT                 |  |
| ol2pi                     | *                               |  |
| extb7                     | *                               |  |
| l3id                      | '11'B IF_PRESENT                |  |
| uil3                      | '00110'B IF_PRESENT             |  |
| extb7a                    | '1'B IF_PRESENT                 |  |
| ol3pi                     | *                               |  |
| <b>Detailed Comments:</b> |                                 |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                               |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B14_300_1                                                                                                                                                                                                                                                                                         |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                               |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to clause B.2.4 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B14_300_1.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                 | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                   |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                   |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                             |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                         |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                      |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| negind                     | *                                                                                                                                                                                                                                                                                                             |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                          |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                             |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                         |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                      |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                             |          |
| strc                       | '100'B IF_PRESENT                                                                                                                                                                                                                                                                                             |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                              |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                              |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                              |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                       |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                             |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                         |          |
| uil1                       | '00001'B                                                                                                                                                                                                                                                                                                      |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                             |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                          |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                          |          |
| ur                         | '11110'B                                                                                                                                                                                                                                                                                                      |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                             |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                         |          |
| nictx                      | '0'B                                                                                                                                                                                                                                                                                                          |          |
| nicrx                      | '0'B                                                                                                                                                                                                                                                                                                          |          |
| fctx                       | '0'B                                                                                                                                                                                                                                                                                                          |          |
| fcrx                       | '0'B                                                                                                                                                                                                                                                                                                          |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                          |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                          |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                          |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                          |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                          |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                          |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                          |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                          |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                          |          |
| extb5c                     | ?                                                                                                                                                                                                                                                                                                             |          |
| nsb                        | ('01'B, '11'B)                                                                                                                                                                                                                                                                                                |          |
| ndb                        | '10'B                                                                                                                                                                                                                                                                                                         |          |
| pi                         | ('000'B, '010'B, '100'B, '101'B)                                                                                                                                                                                                                                                                              |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                       |          |
| modemt                     | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B) IF_PRESENT                                                                                                                                                                                                                                 |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                             |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                              |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                               |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                               |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B14_300_2                                                                                                                                                                                                                                                                                         |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                               |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to clause B.2.4 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B14_300_2.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                 | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                   |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                   |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                             |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                         |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                      |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| negind                     | *                                                                                                                                                                                                                                                                                                             |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                          |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                             |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                         |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                      |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                             |          |
| strc                       | '100'B IF_PRESENT                                                                                                                                                                                                                                                                                             |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                              |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                              |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                              |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                       |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                             |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                         |          |
| uil1                       | '00001'B                                                                                                                                                                                                                                                                                                      |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                             |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                          |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                          |          |
| ur                         | '11110'B                                                                                                                                                                                                                                                                                                      |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                             |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                         |          |
| nictx                      | '0'B                                                                                                                                                                                                                                                                                                          |          |
| nicrx                      | '0'B                                                                                                                                                                                                                                                                                                          |          |
| fctx                       | '0'B                                                                                                                                                                                                                                                                                                          |          |
| fcrx                       | '0'B                                                                                                                                                                                                                                                                                                          |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                          |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                          |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                          |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                          |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                          |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                          |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                          |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                          |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                          |          |
| extb5c                     | ?                                                                                                                                                                                                                                                                                                             |          |
| nsb                        | ('01'B, '11'B)                                                                                                                                                                                                                                                                                                |          |
| ndb                        | '11'B                                                                                                                                                                                                                                                                                                         |          |
| pi                         | '011'B                                                                                                                                                                                                                                                                                                        |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                       |          |
| modemt                     | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B) IF_PRESENT                                                                                                                                                                                                                                 |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                             |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                              |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                               |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |



| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B14_1200_1                                                                                                                                                                                                                                                                                         |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to clause B.2.4 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B14_1200_1.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                  | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                    |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                    |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                              |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                          |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                       |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| negind                     | *                                                                                                                                                                                                                                                                                                              |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                           |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                              |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                          |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                       |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                              |          |
| strc                       | '100'B IF_PRESENT                                                                                                                                                                                                                                                                                              |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                        |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                              |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                          |          |
| uil1                       | '00001'B                                                                                                                                                                                                                                                                                                       |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                              |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                           |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                           |          |
| ur                         | '00001'B                                                                                                                                                                                                                                                                                                       |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                              |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                          |          |
| nictx                      | '0'B                                                                                                                                                                                                                                                                                                           |          |
| nicrx                      | '0'B                                                                                                                                                                                                                                                                                                           |          |
| fctx                       | '0'B                                                                                                                                                                                                                                                                                                           |          |
| fcrx                       | '0'B                                                                                                                                                                                                                                                                                                           |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                           |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                           |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                           |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                           |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                           |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                           |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                           |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                           |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                           |          |
| extb5c                     | ?                                                                                                                                                                                                                                                                                                              |          |
| nsb                        | ('01'B, '11'B)                                                                                                                                                                                                                                                                                                 |          |
| ndb                        | '10'B                                                                                                                                                                                                                                                                                                          |          |
| pi                         | ('000'B, '010'B, '100'B, '101'B)                                                                                                                                                                                                                                                                               |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                        |          |
| modemt                     | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B) IF_PRESENT                                                                                                                                                                                                                                  |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                              |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B14_1200_2                                                                                                                                                                                                                                                                                         |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to clause B.2.4 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B14_1200_2.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                  | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                    |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                    |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                              |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                          |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                       |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| negind                     | *                                                                                                                                                                                                                                                                                                              |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                           |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                              |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                          |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                       |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                              |          |
| strc                       | '100'B IF_PRESENT                                                                                                                                                                                                                                                                                              |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                        |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                              |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                          |          |
| uil1                       | '00001'B                                                                                                                                                                                                                                                                                                       |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                              |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                           |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                           |          |
| ur                         | '00001'B                                                                                                                                                                                                                                                                                                       |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                              |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                          |          |
| nictx                      | '0'B                                                                                                                                                                                                                                                                                                           |          |
| nicrx                      | '0'B                                                                                                                                                                                                                                                                                                           |          |
| fctx                       | '0'B                                                                                                                                                                                                                                                                                                           |          |
| fcrx                       | '0'B                                                                                                                                                                                                                                                                                                           |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                           |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                           |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                           |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                           |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                           |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                           |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                           |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                           |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                           |          |
| extb5c                     | ?                                                                                                                                                                                                                                                                                                              |          |
| nsb                        | ('01'B, '11'B)                                                                                                                                                                                                                                                                                                 |          |
| ndb                        | '11'B                                                                                                                                                                                                                                                                                                          |          |
| pi                         | '011'B                                                                                                                                                                                                                                                                                                         |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                        |          |
| modemt                     | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B) IF_PRESENT                                                                                                                                                                                                                                  |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                              |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                   |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B14_120075_1                                                                                                                                                                                                                                                                                          |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                   |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to clause B.2.4 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B121_120075_1.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                     | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                       |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                       |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                 |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                             |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                          |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                   |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                 |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                              |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                 |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                             |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                          |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                 |          |
| strc                       | '100'B IF_PRESENT                                                                                                                                                                                                                                                                                                 |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                  |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                  |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                   |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                  |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                           |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                 |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                             |          |
| uil1                       | '00001'B                                                                                                                                                                                                                                                                                                          |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                                 |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                              |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                              |          |
| ur                         | '10111'B                                                                                                                                                                                                                                                                                                          |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                 |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                             |          |
| nictx                      | '0'B                                                                                                                                                                                                                                                                                                              |          |
| nicrx                      | '0'B                                                                                                                                                                                                                                                                                                              |          |
| fctx                       | '0'B                                                                                                                                                                                                                                                                                                              |          |
| fcrx                       | '0'B                                                                                                                                                                                                                                                                                                              |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                              |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                              |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                              |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                              |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                              |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                              |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                              |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                              |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                              |          |
| extb5c                     | ?                                                                                                                                                                                                                                                                                                                 |          |
| nsb                        | ('01'B, '11'B)                                                                                                                                                                                                                                                                                                    |          |
| ndb                        | '10'B                                                                                                                                                                                                                                                                                                             |          |
| pi                         | ('000'B, '010'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                  |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                   |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                           |          |
| modemt                     | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B) IF_PRESENT                                                                                                                                                                                                                                     |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                 |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                  |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                   |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                   |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B14_120075_2                                                                                                                                                                                                                                                                                          |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                   |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to clause B.2.4 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B121_120075_2.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                     | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                       |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                       |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                 |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                             |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                          |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                   |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                 |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                              |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                 |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                             |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                          |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                 |          |
| strc                       | '100'B IF_PRESENT                                                                                                                                                                                                                                                                                                 |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                  |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                  |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                   |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                  |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                           |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                 |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                             |          |
| uil1                       | '00001'B                                                                                                                                                                                                                                                                                                          |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                                 |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                              |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                              |          |
| ur                         | '10111'B                                                                                                                                                                                                                                                                                                          |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                 |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                             |          |
| nictx                      | '0'B                                                                                                                                                                                                                                                                                                              |          |
| nicrx                      | '0'B                                                                                                                                                                                                                                                                                                              |          |
| fctx                       | '0'B                                                                                                                                                                                                                                                                                                              |          |
| fcrx                       | '0'B                                                                                                                                                                                                                                                                                                              |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                              |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                              |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                              |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                              |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                              |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                              |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                              |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                              |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                              |          |
| extb5c                     | ?                                                                                                                                                                                                                                                                                                                 |          |
| nsb                        | ('01'B, '11'B)                                                                                                                                                                                                                                                                                                    |          |
| ndb                        | '11'B                                                                                                                                                                                                                                                                                                             |          |
| pi                         | '011'B                                                                                                                                                                                                                                                                                                            |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                   |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                           |          |
| modemt                     | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B) IF_PRESENT                                                                                                                                                                                                                                     |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                 |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                  |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                   |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |



| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                 |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B14_2400_1                                                                                                                                                                                                                                                                                          |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                 |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to clause B.2.4 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B121_2400_1.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                   | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                     |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                     |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                               |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                           |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                        |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                 |          |
| negind                     | *                                                                                                                                                                                                                                                                                                               |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                            |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                               |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                           |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                        |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                               |          |
| strc                       | '100'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                 |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                         |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                               |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                           |          |
| uil1                       | '00001'B                                                                                                                                                                                                                                                                                                        |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                               |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                            |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                            |          |
| ur                         | '00011'B                                                                                                                                                                                                                                                                                                        |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                               |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                           |          |
| nictx                      | '0'B                                                                                                                                                                                                                                                                                                            |          |
| nicrx                      | '0'B                                                                                                                                                                                                                                                                                                            |          |
| fctx                       | '0'B                                                                                                                                                                                                                                                                                                            |          |
| fcrx                       | '0'B                                                                                                                                                                                                                                                                                                            |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                            |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                            |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                            |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                            |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                            |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                            |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                            |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                            |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                            |          |
| extb5c                     | ?                                                                                                                                                                                                                                                                                                               |          |
| nsb                        | ('01'B, '11'B)                                                                                                                                                                                                                                                                                                  |          |
| ndb                        | '10'B                                                                                                                                                                                                                                                                                                           |          |
| pi                         | ('000'B, '010'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                 |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                         |          |
| modemt                     | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B) IF_PRESENT                                                                                                                                                                                                                                   |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                               |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                 |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                 |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B14_2400_2                                                                                                                                                                                                                                                                                          |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                 |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to clause B.2.4 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B121_2400_2.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                   | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                     |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                     |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                               |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                           |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                        |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                 |          |
| negind                     | *                                                                                                                                                                                                                                                                                                               |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                            |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                               |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                           |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                        |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                               |          |
| strc                       | '100'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                 |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                         |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                               |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                           |          |
| uil1                       | '00001'B                                                                                                                                                                                                                                                                                                        |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                               |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                            |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                            |          |
| ur                         | '00011'B                                                                                                                                                                                                                                                                                                        |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                               |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                           |          |
| nictx                      | '0'B                                                                                                                                                                                                                                                                                                            |          |
| nicrx                      | '0'B                                                                                                                                                                                                                                                                                                            |          |
| fctx                       | '0'B                                                                                                                                                                                                                                                                                                            |          |
| fcrx                       | '0'B                                                                                                                                                                                                                                                                                                            |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                            |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                            |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                            |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                            |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                            |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                            |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                            |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                            |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                            |          |
| extb5c                     | ?                                                                                                                                                                                                                                                                                                               |          |
| nsb                        | ('01'B, '11'B)                                                                                                                                                                                                                                                                                                  |          |
| ndb                        | '11'B                                                                                                                                                                                                                                                                                                           |          |
| pi                         | '011'B                                                                                                                                                                                                                                                                                                          |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                 |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                         |          |
| modemt                     | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B) IF_PRESENT                                                                                                                                                                                                                                   |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                               |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                 |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B14_4800_1                                                                                                                                                                                                                                                                                         |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to clause B.2.4 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B14_4800_1.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                  | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                    |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                    |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                              |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                          |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                       |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| negind                     | *                                                                                                                                                                                                                                                                                                              |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                           |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                              |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                          |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                       |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                              |          |
| strc                       | '100'B IF_PRESENT                                                                                                                                                                                                                                                                                              |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                        |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                              |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                          |          |
| uil1                       | '00001'B                                                                                                                                                                                                                                                                                                       |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                              |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                           |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                           |          |
| ur                         | '00101'B                                                                                                                                                                                                                                                                                                       |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                              |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                          |          |
| nictx                      | '0'B                                                                                                                                                                                                                                                                                                           |          |
| nicrx                      | '0'B                                                                                                                                                                                                                                                                                                           |          |
| fctx                       | '0'B                                                                                                                                                                                                                                                                                                           |          |
| fcrx                       | '0'B                                                                                                                                                                                                                                                                                                           |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                           |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                           |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                           |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                           |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                           |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                           |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                           |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                           |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                           |          |
| extb5c                     | ?                                                                                                                                                                                                                                                                                                              |          |
| nsb                        | ('01'B, '11'B)                                                                                                                                                                                                                                                                                                 |          |
| ndb                        | '10'B                                                                                                                                                                                                                                                                                                          |          |
| pi                         | ('000'B, '010'B, '100'B, '101'B)                                                                                                                                                                                                                                                                               |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                        |          |
| modemt                     | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B) IF_PRESENT                                                                                                                                                                                                                                  |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                              |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B14_4800_2                                                                                                                                                                                                                                                                                         |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to clause B.2.4 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B14_4800_2.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                  | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                    |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                    |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                              |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                          |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                       |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| negind                     | *                                                                                                                                                                                                                                                                                                              |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                           |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                              |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                          |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                       |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                              |          |
| strc                       | '100'B IF_PRESENT                                                                                                                                                                                                                                                                                              |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                        |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                              |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                          |          |
| uil1                       | '00001'B                                                                                                                                                                                                                                                                                                       |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                              |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                           |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                           |          |
| ur                         | '00101'B                                                                                                                                                                                                                                                                                                       |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                              |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                          |          |
| nictx                      | '0'B                                                                                                                                                                                                                                                                                                           |          |
| nicrx                      | '0'B                                                                                                                                                                                                                                                                                                           |          |
| fctx                       | '0'B                                                                                                                                                                                                                                                                                                           |          |
| fcrx                       | '0'B                                                                                                                                                                                                                                                                                                           |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                           |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                           |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                           |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                           |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                           |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                           |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                           |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                           |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                           |          |
| extb5c                     | ?                                                                                                                                                                                                                                                                                                              |          |
| nsb                        | ('01'B, '11'B)                                                                                                                                                                                                                                                                                                 |          |
| ndb                        | '11'B                                                                                                                                                                                                                                                                                                          |          |
| pi                         | '011'B                                                                                                                                                                                                                                                                                                         |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                        |          |
| modemt                     | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B) IF_PRESENT                                                                                                                                                                                                                                  |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                              |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |



| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B14_9600_1                                                                                                                                                                                                                                                                                         |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to clause B.2.4 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B14_9600_1.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                  | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                    |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                    |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                              |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                          |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                       |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| negind                     | *                                                                                                                                                                                                                                                                                                              |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                           |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                              |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                          |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                       |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                              |          |
| strc                       | '100'B IF_PRESENT                                                                                                                                                                                                                                                                                              |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                        |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                              |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                          |          |
| uil1                       | '00001'B                                                                                                                                                                                                                                                                                                       |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                              |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                           |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                           |          |
| ur                         | '01000'B                                                                                                                                                                                                                                                                                                       |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                              |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                          |          |
| nictx                      | '0'B                                                                                                                                                                                                                                                                                                           |          |
| nicrx                      | '0'B                                                                                                                                                                                                                                                                                                           |          |
| fctx                       | '0'B                                                                                                                                                                                                                                                                                                           |          |
| fcrx                       | '0'B                                                                                                                                                                                                                                                                                                           |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                           |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                           |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                           |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                           |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                           |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                           |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                           |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                           |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                           |          |
| extb5c                     | ?                                                                                                                                                                                                                                                                                                              |          |
| nsb                        | ('01'B, '11'B)                                                                                                                                                                                                                                                                                                 |          |
| ndb                        | '10'B                                                                                                                                                                                                                                                                                                          |          |
| pi                         | ('000'B, '010'B, '100'B, '101'B)                                                                                                                                                                                                                                                                               |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                        |          |
| modemt                     | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B) IF_PRESENT                                                                                                                                                                                                                                  |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                              |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                 |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B14_9600_2                                                                                                                                                                                                                                                                                          |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                 |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to clause B.2.4. of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B14_9600_2.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                   | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                     |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                     |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                               |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                           |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                        |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                 |          |
| negind                     | *                                                                                                                                                                                                                                                                                                               |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                            |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                               |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                           |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                        |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                               |          |
| strc                       | '100'B IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                 |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                         |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                               |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                           |          |
| uil1                       | '00001'B                                                                                                                                                                                                                                                                                                        |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                               |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                            |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                            |          |
| ur                         | '01000'B                                                                                                                                                                                                                                                                                                        |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                               |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                           |          |
| nictx                      | '0'B                                                                                                                                                                                                                                                                                                            |          |
| nicrx                      | '0'B                                                                                                                                                                                                                                                                                                            |          |
| fctx                       | '0'B                                                                                                                                                                                                                                                                                                            |          |
| fcrx                       | '0'B                                                                                                                                                                                                                                                                                                            |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                            |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                            |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                            |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                            |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                            |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                            |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                            |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                            |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                            |          |
| extb5c                     | ?                                                                                                                                                                                                                                                                                                               |          |
| nsb                        | ('01'B, '11'B)                                                                                                                                                                                                                                                                                                  |          |
| ndb                        | '11'B                                                                                                                                                                                                                                                                                                           |          |
| pi                         | '011'B                                                                                                                                                                                                                                                                                                          |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                 |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                         |          |
| modemt                     | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B) IF_PRESENT                                                                                                                                                                                                                                   |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                               |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                 |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B14_9600_3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| <b>Comments:</b>           | <p>Lower Layer Compatibility IE for a setup PDU acc to clause B.2.4. of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B14_9600_3.</p> <p>This constraint is identical to Llcmp_Setup_B14_9600_1 because the differences between the two corresponding bearer capabilities IEs are not reflected in the low layer compatibilities IEs.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO!</p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| strc                       | '100'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| uil1                       | '00001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ur                         | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| nictx                      | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| nicrx                      | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| fctx                       | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| fcrx                       | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb5c                     | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| nsb                        | ('01'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| ndb                        | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| pi                         | ('000'B, '010'B, '100'B, '101'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| modemt                     | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |

|                           |                                 |  |
|---------------------------|---------------------------------|--|
| uil2                      | ('00110'B, '00111'B) IF_PRESENT |  |
| extb6a                    | '1'B IF_PRESENT                 |  |
| ol2pi                     | *                               |  |
| extb7                     | *                               |  |
| l3id                      | '11'B IF_PRESENT                |  |
| uil3                      | '00110'B IF_PRESENT             |  |
| extb7a                    | '1'B IF_PRESENT                 |  |
| ol3pi                     | *                               |  |
| <b>Detailed Comments:</b> |                                 |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B14_9600_4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| <b>Comments:</b>           | <p>Lower Layer Compatibility IE for a setup PDU acc to clause B.2.4 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B14_9600_4.</p> <p>This constraint is identical to Llcmp_Setup_B14_9600_2 because the differences between the two corresponding bearer capabilities IEs are not reflected in the low layer compatibilities IEs.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO!</p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| strc                       | '100'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| uil1                       | '00001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| sb                         | '1'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| ur                         | '01000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| nictx                      | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| nicrx                      | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| fctx                       | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| fcrx                       | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| extb5c                     | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| nsb                        | ('01'B, '11'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| ndb                        | '11'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| pi                         | '011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| modemt                     | ('010001'B, '010010'B, '010011'B, '010100'B, '010111'B, '011100'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |

|                           |                                 |  |
|---------------------------|---------------------------------|--|
| uil2                      | ('00110'B, '00111'B) IF_PRESENT |  |
| extb6a                    | '1'B IF_PRESENT                 |  |
| ol2pi                     | *                               |  |
| extb7                     | *                               |  |
| l3id                      | '11'B IF_PRESENT                |  |
| uil3                      | '00110'B IF_PRESENT             |  |
| extb7a                    | '1'B IF_PRESENT                 |  |
| ol3pi                     | *                               |  |
| <b>Detailed Comments:</b> |                                 |  |



| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B15_2400                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.5.1 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B15_2400.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                  | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                    |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                    |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                              |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                          |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                                       |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                              |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                              |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                          |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                       |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                              |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                 |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                        |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                              |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                          |          |
| uil1                       | '01001'B                                                                                                                                                                                                                                                                                                                       |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                                              |          |
| sb                         | '0'B                                                                                                                                                                                                                                                                                                                           |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                                           |          |
| ur                         | '00011'B                                                                                                                                                                                                                                                                                                                       |          |
| extb5b1                    | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| ir                         | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| nictx                      | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| nicrx                      | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| fctx                       | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| fcx                        | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| spb5b1                     | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| extb5c                     | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| nsb                        | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| ndb                        | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| pi                         | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| extb5d                     | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| dplxm                      | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| modemt                     | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| extb6                      | ?                                                                                                                                                                                                                                                                                                                              |          |
| l2id                       | '10'B                                                                                                                                                                                                                                                                                                                          |          |
| uil2                       | ('00110'B, '00111'B)                                                                                                                                                                                                                                                                                                           |          |
| extb6a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |

|                           |                 |  |
|---------------------------|-----------------|--|
| ol2pi                     | *               |  |
| extb7                     | ?               |  |
| l3id                      | '11'B           |  |
| uil3                      | '00110'B        |  |
| extb7a                    | '1'B IF_PRESENT |  |
| ol3pi                     | *               |  |
| <b>Detailed Comments:</b> |                 |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                              |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B15_4800                                                                                                                                                                                                                                                                                                         |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                              |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.5.1 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B15_00.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                  |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                  |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                            |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                        |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                                     |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                            |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                         |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                            |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                        |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                     |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                            |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                               |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                      |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                            |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                        |          |
| uil1                       | '01001'B                                                                                                                                                                                                                                                                                                                     |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                                            |          |
| sb                         | '0'B                                                                                                                                                                                                                                                                                                                         |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                                         |          |
| ur                         | '00101'B                                                                                                                                                                                                                                                                                                                     |          |
| extb5b1                    | OMIT                                                                                                                                                                                                                                                                                                                         |          |
| ir                         | OMIT                                                                                                                                                                                                                                                                                                                         |          |
| nictx                      | OMIT                                                                                                                                                                                                                                                                                                                         |          |
| nicrx                      | OMIT                                                                                                                                                                                                                                                                                                                         |          |
| fctx                       | OMIT                                                                                                                                                                                                                                                                                                                         |          |
| fcrx                       | OMIT                                                                                                                                                                                                                                                                                                                         |          |
| spb5b1                     | OMIT                                                                                                                                                                                                                                                                                                                         |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                         |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                         |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                         |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                         |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                         |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                         |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                         |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                         |          |
| extb5c                     | OMIT                                                                                                                                                                                                                                                                                                                         |          |
| nsb                        | OMIT                                                                                                                                                                                                                                                                                                                         |          |
| ndb                        | OMIT                                                                                                                                                                                                                                                                                                                         |          |
| pi                         | OMIT                                                                                                                                                                                                                                                                                                                         |          |
| extb5d                     | OMIT                                                                                                                                                                                                                                                                                                                         |          |
| dplxrn                     | OMIT                                                                                                                                                                                                                                                                                                                         |          |
| modemt                     | OMIT                                                                                                                                                                                                                                                                                                                         |          |
| extb6                      | ?                                                                                                                                                                                                                                                                                                                            |          |
| l2id                       | '10'B                                                                                                                                                                                                                                                                                                                        |          |
| uil2                       | ('00110'B, '00111'B)                                                                                                                                                                                                                                                                                                         |          |
| extb6a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |

|                           |                 |  |
|---------------------------|-----------------|--|
| ol2pi                     | *               |  |
| extb7                     | ?               |  |
| l3id                      | '11'B           |  |
| uil3                      | '00110'B        |  |
| extb7a                    | '1'B IF_PRESENT |  |
| ol3pi                     | *               |  |
| <b>Detailed Comments:</b> |                 |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B15_9600                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to the table in clause B.2.5.1 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B15_9600.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                  | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                    |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                    |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                              |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                          |          |
| itc                        | '01000'B                                                                                                                                                                                                                                                                                                                       |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                              |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                              |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                          |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                       |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                              |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                 |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                        |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                              |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                          |          |
| uil1                       | '01001'B                                                                                                                                                                                                                                                                                                                       |          |
| extb5a                     | ?                                                                                                                                                                                                                                                                                                                              |          |
| sb                         | '0'B                                                                                                                                                                                                                                                                                                                           |          |
| neg                        | '0'B                                                                                                                                                                                                                                                                                                                           |          |
| ur                         | '01000'B                                                                                                                                                                                                                                                                                                                       |          |
| extb5b1                    | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| ir                         | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| nictx                      | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| nicrx                      | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| fctx                       | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| fcrx                       | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| spb5b1                     | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| extb5c                     | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| nsb                        | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| ndb                        | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| pi                         | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| extb5d                     | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| dplxm                      | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| modemt                     | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| extb6                      | ?                                                                                                                                                                                                                                                                                                                              |          |
| l2id                       | '10'B                                                                                                                                                                                                                                                                                                                          |          |
| uil2                       | ('00110'B, '00111'B)                                                                                                                                                                                                                                                                                                           |          |
| extb6a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |

|                           |                 |  |
|---------------------------|-----------------|--|
| ol2pi                     | *               |  |
| extb7                     | ?               |  |
| l3id                      | '11'B           |  |
| uil3                      | '00110'B        |  |
| extb7a                    | '1'B IF_PRESENT |  |
| ol3pi                     | *               |  |
| <b>Detailed Comments:</b> |                 |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B1621_300_1                                                                                                                                                                                                                                                                                                         |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                 |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to clauses B.2.6.1 and B.2.6.2 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B16212_300_1.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                   | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                     |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                     |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                               |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                           |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                        |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                               |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                            |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                               |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                           |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                        |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                               |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                  |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                         |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                               |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                           |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                        |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| sb                         | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                         |          |
| ur                         | '11110'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                               |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                           |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                            |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| nsb                        | ('01'B, '11'B) IF_PRESENT                                                                                                                                                                                                                                                                                                       |          |
| ndb                        | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| pi                         | ('000'B, '010'B, '011'B, '100'B, '101'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                          |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                         |          |
| modemt                     | '010001'B IF_PRESENT                                                                                                                                                                                                                                                                                                            |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                               |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                 |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |



| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B1621_300_2                                                                                                                                                                                                                                                                                                        |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to clauses B.2.6.1 and B.2.6.2 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1621_300_2.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                  | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                    |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                    |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                              |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                          |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                       |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                              |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                              |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                          |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                       |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                              |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                 |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                        |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                              |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                          |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                       |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| sb                         | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                        |          |
| ur                         | '11110'B IF_PRESENT                                                                                                                                                                                                                                                                                                            |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                              |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                          |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                   |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                   |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                   |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                   |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                           |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| nsb                        | ('01'B, '11'B) IF_PRESENT                                                                                                                                                                                                                                                                                                      |          |
| ndb                        | '11'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| pi                         | '011'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                        |          |
| modemt                     | '010001'B IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                              |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| extb6a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B1621_1200_1                                                                                                                                                                                                                                                                                                        |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                 |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to clauses B.2.6.1 and B.2.6.2 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1621_1200_1.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                   | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                     |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                     |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                               |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                           |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                        |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                               |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                            |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                               |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                           |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                        |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                               |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                  |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                         |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                               |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                           |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                        |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| sb                         | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                         |          |
| ur                         | '00001'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                               |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                           |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                            |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| nsb                        | ('01'B, '11'B) IF_PRESENT                                                                                                                                                                                                                                                                                                       |          |
| ndb                        | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| pi                         | ('000'B, '010'B, '011'B, '100'B, '101'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                          |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                         |          |
| modemt                     | '010010'B IF_PRESENT                                                                                                                                                                                                                                                                                                            |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                               |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                 |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B1621_1200_2                                                                                                                                                                                                                                                                                                        |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                 |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to clauses B.2.6.1 and B.2.6.2 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1621_1200_2.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                   | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                     |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                     |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                               |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                           |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                        |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                               |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                            |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                               |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                           |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                        |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                               |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                  |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                         |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                               |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                           |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                        |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| sb                         | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                         |          |
| ur                         | '00001'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                               |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                           |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                            |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| nsb                        | ('01'B, '11'B) IF_PRESENT                                                                                                                                                                                                                                                                                                       |          |
| ndb                        | '11'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| pi                         | '011'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                         |          |
| modemt                     | '010010'B IF_PRESENT                                                                                                                                                                                                                                                                                                            |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                               |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                 |          |
| extb6a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B1621_120075_1                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                      |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to clauses B.2.6.1 and B.2.6.2 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1621_120075_1.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                        | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                          |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                          |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                    |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                                |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                             |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                    |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                    |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                                |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                             |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                    |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                       |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                              |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                    |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                                |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                             |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                         |          |
| sb                         | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| ur                         | '10111'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                    |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                                |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                         |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                         |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                         |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                         |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                                 |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                         |          |
| nsb                        | ('01'B, '11'B) IF_PRESENT                                                                                                                                                                                                                                                                                                            |          |
| ndb                        | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| pi                         | ('000'B, '010'B, '011'B, '100'B, '101'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                               |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| modemt                     | '010100'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                    |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                      |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |



| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B1621_120075_2                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                      |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to clauses B.2.6.1 and B.2.6.2 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1621_120075_2.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                        | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                          |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                          |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                    |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                                |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                             |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                    |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                    |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                                |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                             |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                    |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                       |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                              |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                    |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                                |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                             |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                         |          |
| sb                         | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| ur                         | '10111'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                    |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                                |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                         |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                         |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                         |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                         |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                                 |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                                 |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                         |          |
| nsb                        | ('01'B, '11'B) IF_PRESENT                                                                                                                                                                                                                                                                                                            |          |
| ndb                        | '11'B IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| pi                         | '011'B IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| modemt                     | '010100'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                    |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                      |          |
| extb6a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B1621_2400_1                                                                                                                                                                                                                                                                                                        |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                 |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to clauses B.2.6.1 and B.2.6.2 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1621_2400_1.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                   | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                     |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                     |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                               |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                           |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                        |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                               |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                            |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                               |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                           |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                        |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                               |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                  |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                         |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                               |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                           |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                        |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| sb                         | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                         |          |
| ur                         | '00011'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                               |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                           |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                            |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| nsb                        | ('01'B, '11'B) IF_PRESENT                                                                                                                                                                                                                                                                                                       |          |
| ndb                        | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| pi                         | ('000'B, '010'B, '011'B, '100'B, '101'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                          |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                         |          |
| modemt                     | ('010011'B, '010111'B) IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                               |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                 |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B1621_2400_2                                                                                                                                                                                                                                                                                                        |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                 |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to clauses B.2.6.1 and B.2.6.2 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1621_2400_2.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                   | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                     |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                     |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                               |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                           |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                        |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                               |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                            |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                               |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                           |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                        |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                               |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                  |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                         |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                               |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                           |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                        |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| sb                         | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                         |          |
| ur                         | '00011'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                               |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                           |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                            |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| nsb                        | ('01'B, '11'B) IF_PRESENT                                                                                                                                                                                                                                                                                                       |          |
| ndb                        | '11'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| pi                         | '011'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                         |          |
| modemt                     | ('010011'B, '010111'B) IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                               |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                 |          |
| extb6a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B1621_4800_1                                                                                                                                                                                                                                                                                                        |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                 |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to clauses B.2.6.1 and B.2.6.2 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1621_4800_1.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                   | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                     |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                     |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                               |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                           |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                        |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                               |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                            |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                               |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                           |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                        |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                               |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                  |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                         |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                               |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                           |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                        |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| sb                         | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                         |          |
| ur                         | '00101'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                               |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                           |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                            |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| nsb                        | ('01'B, '11'B) IF_PRESENT                                                                                                                                                                                                                                                                                                       |          |
| ndb                        | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| pi                         | ('000'B, '010'B, '011'B, '100'B, '101'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                          |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                         |          |
| modemt                     | '011100'B IF_PRESENT                                                                                                                                                                                                                                                                                                            |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                               |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                 |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |



| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B1621_4800_2                                                                                                                                                                                                                                                                                                        |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                 |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to clauses B.2.6.1 and B.2.6.2 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1621_4800_2.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                   | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                     |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                     |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                               |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                           |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                        |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                               |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                            |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                               |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                           |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                        |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                               |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                  |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                         |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                               |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                           |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                        |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| sb                         | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                         |          |
| ur                         | '00101'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                               |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                           |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                            |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| nsb                        | ('01'B, '11'B) IF_PRESENT                                                                                                                                                                                                                                                                                                       |          |
| ndb                        | '11'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| pi                         | '011'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                         |          |
| modemt                     | '011100'B IF_PRESENT                                                                                                                                                                                                                                                                                                            |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                               |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                 |          |
| extb6a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B1621_9600_1                                                                                                                                                                                                                                                                                                        |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                 |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to clauses B.2.6.1 and B.2.6.2 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1621_9600_1.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                   | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                     |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                     |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                               |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                           |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                        |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                               |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                            |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                               |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                           |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                        |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                               |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                  |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                         |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                               |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                           |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                        |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| sb                         | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                         |          |
| ur                         | '01000'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                               |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                           |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                    |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                            |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                            |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                    |          |
| nsb                        | ('01'B, '11'B) IF_PRESENT                                                                                                                                                                                                                                                                                                       |          |
| ndb                        | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| pi                         | ('000'B, '010'B, '011'B, '100'B, '101'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                          |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                         |          |
| modemt                     | '011100'B IF_PRESENT                                                                                                                                                                                                                                                                                                            |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                               |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                 |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| extb6a                    | '1'B IF_PRESENT     |  |
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B1621_9600_2                                                                                                                                                                                                                                                                                                          |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                   |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to clauses B.2.6.1 and B.2.6.2 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B122_9600_2.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                     | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                       |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                       |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                             |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                          |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                 |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                             |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                          |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                 |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                    |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                           |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                 |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                             |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                          |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| sb                         | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| ur                         | '01000'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                 |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                             |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                      |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                              |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                              |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                      |          |
| nsb                        | ('01'B, '11'B) IF_PRESENT                                                                                                                                                                                                                                                                                                         |          |
| ndb                        | '11'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| pi                         | '011'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| modemt                     | '011100'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                 |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                   |          |
| extb6a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B1621_9600_3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| <b>Comments:</b>           | <p>Lower Layer Compatibility IE for a setup PDU acc to clauses B.2.6.1 and B.2.6.2 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B122_9600_3.</p> <p>This constraint is identical to Llcmp_Setup_B122_9600_1 because the differences between the two corresponding bearer capabilities IEs are not reflected in the low layer compatibilities IEs.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO!</p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| sb                         | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ur                         | '01000'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| nsb                        | ('01'B, '11'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| ndb                        | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| pi                         | ('000'B, '010'B, '011'B, '100'B, '101'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| modemt                     | '011100'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |

|                           |                                 |  |
|---------------------------|---------------------------------|--|
| uil2                      | ('00110'B, '00111'B) IF_PRESENT |  |
| extb6a                    | '1'B IF_PRESENT                 |  |
| ol2pi                     | *                               |  |
| extb7                     | *                               |  |
| l3id                      | '11'B IF_PRESENT                |  |
| uil3                      | '00110'B IF_PRESENT             |  |
| extb7a                    | '1'B IF_PRESENT                 |  |
| ol3pi                     | *                               |  |
| <b>Detailed Comments:</b> |                                 |  |



| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B1621_9600_4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>           | <p>Lower Layer Compatibility IE for a setup PDU acc to clauses B.2.6.1 and B.2.6.2 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1621_9600_4.</p> <p>This constraint is identical to Llcmp_Setup_B1621_9600_2 because the differences between the two corresponding bearer capabilities IEs are not reflected in the low layer compatibilities IEs.</p> <p>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO!</p> |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| sb                         | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| ur                         | '01000'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| nsb                        | ('01'B, '11'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| ndb                        | '11'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| pi                         | '011'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| modemt                     | '011100'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |

|                           |                                 |  |
|---------------------------|---------------------------------|--|
| uil2                      | ('00110'B, '00111'B) IF_PRESENT |  |
| extb6a                    | '1'B IF_PRESENT                 |  |
| ol2pi                     | *                               |  |
| extb7                     | *                               |  |
| l3id                      | '11'B IF_PRESENT                |  |
| uil3                      | '00110'B IF_PRESENT             |  |
| extb7a                    | '1'B IF_PRESENT                 |  |
| ol3pi                     | *                               |  |
| <b>Detailed Comments:</b> |                                 |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B1622_1200                                                                                                                                                                                                                                                                                                        |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                               |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to clauses B.2.6.2 and B.2.7.2 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1622_1200.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                 | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                   |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                   |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                             |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                         |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                      |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                             |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                          |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                             |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                         |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                      |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                             |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                       |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                             |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                         |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                      |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| sb                         | '0'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                       |          |
| ur                         | '00001'B IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                             |          |
| ir                         | '01'B                                                                                                                                                                                                                                                                                                                         |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                  |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                  |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                  |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                  |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                          |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                          |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                          |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                          |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                          |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                          |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                          |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                          |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                          |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| nsb                        | '01'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| ndb                        | '11'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| pi                         | '011'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                       |          |
| modemt                     | '010010'B IF_PRESENT                                                                                                                                                                                                                                                                                                          |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                             |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| extb6a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B1622_2400                                                                                                                                                                                                                                                                                                        |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                               |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to clauses B.2.6.2 and B.2.7.2 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1622_2400.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                 | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                   |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                   |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                             |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                         |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                      |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                             |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                          |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                             |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                         |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                      |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                             |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                       |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                             |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                         |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                      |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| sb                         | '0'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                       |          |
| ur                         | '00011'B IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                             |          |
| ir                         | '01'B                                                                                                                                                                                                                                                                                                                         |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                  |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                  |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                  |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                  |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                          |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                          |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                          |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                          |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                          |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                          |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                          |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                          |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                          |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| nsb                        | '01'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| ndb                        | '11'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| pi                         | '011'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                       |          |
| modemt                     | ('010011'B, '010111'B) IF_PRESENT                                                                                                                                                                                                                                                                                             |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                             |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                               |          |
| extb6a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B1622_4800                                                                                                                                                                                                                                                                                                           |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to clauses B.2.6.2 and B.2.7.2 of GSM 07.01.<br>The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1622_4800.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                    | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                      |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                      |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                            |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                         |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                                |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                            |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                         |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                                |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                   |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                          |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                                |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                            |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                         |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| sb                         | '0'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                          |          |
| ur                         | '00101'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                                |          |
| ir                         | '01'B                                                                                                                                                                                                                                                                                                                            |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                     |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                             |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                             |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                     |          |
| nsb                        | '01'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| ndb                        | '11'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| pi                         | '011'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                          |          |
| modemt                     | '011100'B IF_PRESENT                                                                                                                                                                                                                                                                                                             |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                                |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                                 |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                  |          |
| extb6a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                  |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |



| Structured Type Constraint |                                                                                                                                                                                                                                                                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_Setup_B1622_9600                                                                                                                                                                                                                                                                                                         |          |
| <b>Structured Type:</b>    | LLCMP                                                                                                                                                                                                                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                |          |
| <b>Comments:</b>           | Lower Layer Compatibility IE for a setup PDU acc to tclauses B.2.6.2 and B.2.7.2 of GSM 07.01. The combination of the values is equivalent to the combination in the bearer capability constraint Bcap_Setup_B1622_9600.<br>ANY CHANGE IN THIS CONSTRAINT MUST BE MADE IN THE CORRESPONDING BEARER CAPABILITY CONSTRAINT ALSO! |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                                                  | Comments |
| iei                        | '01111100'B                                                                                                                                                                                                                                                                                                                    |          |
| iel                        | ('02'O, '03'O, '04'O, '05'O, '06'O, '07'O, '08'O, '09'O, '0A'O, '0B'O, '0C'O, '0D'O, '0E'O)                                                                                                                                                                                                                                    |          |
| extb3                      | ?                                                                                                                                                                                                                                                                                                                              |          |
| cs                         | '00'B                                                                                                                                                                                                                                                                                                                          |          |
| itc                        | '10000'B                                                                                                                                                                                                                                                                                                                       |          |
| extb3a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| negind                     | *                                                                                                                                                                                                                                                                                                                              |          |
| spb3a                      | '000000'B IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| extb4                      | ?                                                                                                                                                                                                                                                                                                                              |          |
| tm                         | '00'B                                                                                                                                                                                                                                                                                                                          |          |
| itr                        | '10000'B                                                                                                                                                                                                                                                                                                                       |          |
| extb4a                     | *                                                                                                                                                                                                                                                                                                                              |          |
| strc                       | ('000'B, '001'B, '100'B, '111'B)<br>IF_PRESENT                                                                                                                                                                                                                                                                                 |          |
| config                     | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| est                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| extb4b                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| sym                        | '00'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| itrdo                      | ('00000'B, '10000'B, '10001'B, '10011'B, '10101'B, '10111'B) IF_PRESENT                                                                                                                                                                                                                                                        |          |
| extb5                      | ?                                                                                                                                                                                                                                                                                                                              |          |
| l1id                       | '01'B                                                                                                                                                                                                                                                                                                                          |          |
| uil1                       | '00011'B                                                                                                                                                                                                                                                                                                                       |          |
| extb5a                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| sb                         | '0'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| neg                        | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                        |          |
| ur                         | '01000'B IF_PRESENT                                                                                                                                                                                                                                                                                                            |          |
| extb5b1                    | ?                                                                                                                                                                                                                                                                                                                              |          |
| ir                         | '10'B                                                                                                                                                                                                                                                                                                                          |          |
| nictx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                   |          |
| nicrx                      | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                   |          |
| fctx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                   |          |
| fcrx                       | ('0'B, '1'B)                                                                                                                                                                                                                                                                                                                   |          |
| spb5b1                     | '0'B                                                                                                                                                                                                                                                                                                                           |          |
| extb5b2                    | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| hdrb                       | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| mfs                        | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| mode                       | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| llineg                     | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| ass                        | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| ibob                       | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| spb5b2                     | OMIT                                                                                                                                                                                                                                                                                                                           |          |
| extb5c                     | ? IF_PRESENT                                                                                                                                                                                                                                                                                                                   |          |
| nsb                        | '01'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| ndb                        | '11'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| pi                         | '011'B IF_PRESENT                                                                                                                                                                                                                                                                                                              |          |
| extb5d                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |
| dplxm                      | ('0'B, '1'B) IF_PRESENT                                                                                                                                                                                                                                                                                                        |          |
| modemt                     | '011100'B IF_PRESENT                                                                                                                                                                                                                                                                                                           |          |
| extb6                      | *                                                                                                                                                                                                                                                                                                                              |          |
| l2id                       | '10'B IF_PRESENT                                                                                                                                                                                                                                                                                                               |          |
| uil2                       | ('00110'B, '00111'B) IF_PRESENT                                                                                                                                                                                                                                                                                                |          |
| extb6a                     | '1'B IF_PRESENT                                                                                                                                                                                                                                                                                                                |          |

|                           |                     |  |
|---------------------------|---------------------|--|
| ol2pi                     | *                   |  |
| extb7                     | *                   |  |
| l3id                      | '11'B IF_PRESENT    |  |
| uil3                      | '00110'B IF_PRESENT |  |
| extb7a                    | '1'B IF_PRESENT     |  |
| ol3pi                     | *                   |  |
| <b>Detailed Comments:</b> |                     |  |

| Structured Type Constraint |                                                                                       |          |
|----------------------------|---------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Llcmp_NotApplicable                                                                   |          |
| <b>Structured Type:</b>    | LLCMP                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                       |          |
| <b>Comments:</b>           | High Layer Compatibility IE wich is not applicable for a specific service (empty IE). |          |
| Element Name               | Element Value                                                                         | Comments |
| iei                        | '01111100'B                                                                           |          |
| iel                        | '00'O                                                                                 |          |
| extb3                      | OMIT                                                                                  |          |
| cs                         | OMIT                                                                                  |          |
| itc                        | OMIT                                                                                  |          |
| extb3a                     | OMIT                                                                                  |          |
| negind                     | OMIT                                                                                  |          |
| spb3a                      | OMIT                                                                                  |          |
| extb4                      | OMIT                                                                                  |          |
| tm                         | OMIT                                                                                  |          |
| itr                        | OMIT                                                                                  |          |
| extb4a                     | OMIT                                                                                  |          |
| strc                       | OMIT                                                                                  |          |
| config                     | OMIT                                                                                  |          |
| est                        | OMIT                                                                                  |          |
| extb4b                     | OMIT                                                                                  |          |
| sym                        | OMIT                                                                                  |          |
| itrdo                      | OMIT                                                                                  |          |
| extb5                      | OMIT                                                                                  |          |
| l1id                       | OMIT                                                                                  |          |
| uil1                       | OMIT                                                                                  |          |
| extb5a                     | OMIT                                                                                  |          |
| sb                         | OMIT                                                                                  |          |
| neg                        | OMIT                                                                                  |          |
| ur                         | OMIT                                                                                  |          |
| extb5b1                    | OMIT                                                                                  |          |
| ir                         | OMIT                                                                                  |          |
| nictx                      | OMIT                                                                                  |          |
| nicrx                      | OMIT                                                                                  |          |
| fctx                       | OMIT                                                                                  |          |
| fcrx                       | OMIT                                                                                  |          |
| spb5b1                     | OMIT                                                                                  |          |
| extb5b2                    | OMIT                                                                                  |          |
| hdrb                       | OMIT                                                                                  |          |
| mfs                        | OMIT                                                                                  |          |
| mode                       | OMIT                                                                                  |          |
| llineg                     | OMIT                                                                                  |          |
| ass                        | OMIT                                                                                  |          |
| ibob                       | OMIT                                                                                  |          |
| spb5b2                     | OMIT                                                                                  |          |
| extb5c                     | OMIT                                                                                  |          |
| nsb                        | OMIT                                                                                  |          |
| ndb                        | OMIT                                                                                  |          |
| pi                         | OMIT                                                                                  |          |
| extb5d                     | OMIT                                                                                  |          |
| dplxm                      | OMIT                                                                                  |          |
| modemt                     | OMIT                                                                                  |          |
| extb6                      | OMIT                                                                                  |          |
| l2id                       | OMIT                                                                                  |          |
| uil2                       | OMIT                                                                                  |          |
| extb6a                     | OMIT                                                                                  |          |
| ol2pi                      | OMIT                                                                                  |          |
| extb7                      | OMIT                                                                                  |          |
| l3id                       | OMIT                                                                                  |          |
| uil3                       | OMIT                                                                                  |          |
| extb7a                     | OMIT                                                                                  |          |
| ol3pi                      | OMIT                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                       |          |

| Structured Type Constraint |                                  |          |
|----------------------------|----------------------------------|----------|
| <b>Constraint Name:</b>    | LocAreald(mnc, lac:OCTETSTRING)  |          |
| <b>Structured Type:</b>    | LAI                              |          |
| <b>Derivation Path:</b>    |                                  |          |
| <b>Comments:</b>           | Cell A default value for L3 test |          |
| Element Name               | Element Value                    | Comments |
| iei                        | OMIT                             |          |
| mcc                        | '00F1'O                          |          |
| mnc                        | mnc                              |          |
| lac                        | lac                              |          |
| <b>Detailed Comments:</b>  |                                  |          |

| Structured Type Constraint |                                  |          |
|----------------------------|----------------------------------|----------|
| <b>Constraint Name:</b>    | LocAreald_def(lac:OCTETSTRING)   |          |
| <b>Structured Type:</b>    | LAI                              |          |
| <b>Derivation Path:</b>    |                                  |          |
| <b>Comments:</b>           | Cell A default value for L3 test |          |
| Element Name               | Element Value                    | Comments |
| iei                        | OMIT                             |          |
| mcc                        | '00F1'O                          |          |
| mnc                        | '10'O                            |          |
| lac                        | lac                              |          |
| <b>Detailed Comments:</b>  |                                  |          |

| Structured Type Constraint |                                  |          |
|----------------------------|----------------------------------|----------|
| <b>Constraint Name:</b>    | LocAreald_01                     |          |
| <b>Structured Type:</b>    | LAI                              |          |
| <b>Derivation Path:</b>    |                                  |          |
| <b>Comments:</b>           | Cell A default value for L3 test |          |
| Element Name               | Element Value                    | Comments |
| iei                        | OMIT                             |          |
| mcc                        | '00F1'O                          |          |
| mnc                        | '10'O                            |          |
| lac                        | '0001'O                          |          |
| <b>Detailed Comments:</b>  |                                  |          |

| Structured Type Constraint |                                  |          |
|----------------------------|----------------------------------|----------|
| <b>Constraint Name:</b>    | LocAreald_01iei                  |          |
| <b>Structured Type:</b>    | LAI                              |          |
| <b>Derivation Path:</b>    |                                  |          |
| <b>Comments:</b>           | Cell A default value for L3 test |          |
| Element Name               | Element Value                    | Comments |
| iei                        | '00010011'B                      |          |
| mcc                        | '00F1'O                          |          |
| mnc                        | '10'O                            |          |
| lac                        | '0001'O                          |          |
| <b>Detailed Comments:</b>  |                                  |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | LocAreald_02  |          |
| <b>Structured Type:</b>    | LAI           |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           | Cell B        |          |
| Element Name               | Element Value | Comments |
| iei                        | OMIT          |          |
| mcc                        | '00F1'O       |          |
| mnc                        | '10'O         |          |
| lac                        | '0002'O       |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                 |          |
|----------------------------|-----------------|----------|
| <b>Constraint Name:</b>    | LocAreald_03    |          |
| <b>Structured Type:</b>    | LAI             |          |
| <b>Derivation Path:</b>    |                 |          |
| <b>Comments:</b>           | Cell A (cell 1) |          |
| Element Name               | Element Value   | Comments |
| iei                        | OMIT            |          |
| mcc                        | '00F2'O         |          |
| mnc                        | 'F0'O           |          |
| lac                        | '0001'O         |          |
| <b>Detailed Comments:</b>  |                 |          |

| Structured Type Constraint |                 |          |
|----------------------------|-----------------|----------|
| <b>Constraint Name:</b>    | LocAreald_04    |          |
| <b>Structured Type:</b>    | LAI             |          |
| <b>Derivation Path:</b>    | LocAreald_01.   |          |
| <b>Comments:</b>           | Cell B (cell 2) |          |
| Element Name               | Element Value   | Comments |
| mcc                        | '00F3'O         |          |
| mnc                        | 'F2'O           |          |
| <b>Detailed Comments:</b>  |                 |          |

| Structured Type Constraint |                 |          |
|----------------------------|-----------------|----------|
| <b>Constraint Name:</b>    | LocAreald_05    |          |
| <b>Structured Type:</b>    | LAI             |          |
| <b>Derivation Path:</b>    | LocAreald_01.   |          |
| <b>Comments:</b>           | Cell C (cell 3) |          |
| Element Name               | Element Value   | Comments |
| mcc                        | '00F4'O         |          |
| mnc                        | 'F3'O           |          |
| <b>Detailed Comments:</b>  |                 |          |

| Structured Type Constraint |                 |          |
|----------------------------|-----------------|----------|
| <b>Constraint Name:</b>    | LocAreald_06    |          |
| <b>Structured Type:</b>    | LAI             |          |
| <b>Derivation Path:</b>    | LocAreald_01.   |          |
| <b>Comments:</b>           | Cell D (cell 4) |          |
| Element Name               | Element Value   | Comments |
| mcc                        | '00F5'O         |          |
| mnc                        | 'F4'O           |          |
| <b>Detailed Comments:</b>  |                 |          |

| Structured Type Constraint |                 |          |
|----------------------------|-----------------|----------|
| <b>Constraint Name:</b>    | LocAreald_07    |          |
| <b>Structured Type:</b>    | LAI             |          |
| <b>Derivation Path:</b>    | LocAreald_01.   |          |
| <b>Comments:</b>           | Cell E (cell 5) |          |
| Element Name               | Element Value   | Comments |
| mcc                        | '00F6'O         |          |
| mnc                        | 'F5'O           |          |
| <b>Detailed Comments:</b>  |                 |          |

| Structured Type Constraint |                 |          |
|----------------------------|-----------------|----------|
| <b>Constraint Name:</b>    | LocAreald_08    |          |
| <b>Structured Type:</b>    | LAI             |          |
| <b>Derivation Path:</b>    | LocAreald_01.   |          |
| <b>Comments:</b>           | Cell F (cell 6) |          |
| Element Name               | Element Value   | Comments |
| mcc                        | '00F7'O         |          |
| mnc                        | 'F6'O           |          |
| <b>Detailed Comments:</b>  |                 |          |

| Structured Type Constraint |                 |          |
|----------------------------|-----------------|----------|
| <b>Constraint Name:</b>    | LocAreald_09    |          |
| <b>Structured Type:</b>    | LAI             |          |
| <b>Derivation Path:</b>    | LocAreald_01.   |          |
| <b>Comments:</b>           | Cell G (cell 7) |          |
| Element Name               | Element Value   | Comments |
| mcc                        | '00F8'O         |          |
| mnc                        | 'F7'O           |          |
| <b>Detailed Comments:</b>  |                 |          |

| Structured Type Constraint |                                                           |          |
|----------------------------|-----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocAreald_10                                              |          |
| <b>Structured Type:</b>    | LAI                                                       |          |
| <b>Derivation Path:</b>    | LocAreald_01.                                             |          |
| <b>Comments:</b>           | Cell H (cell 8) for GSM900 or Cell G (cell 7) for DCS1800 |          |
| Element Name               | Element Value                                             | Comments |
| mcc                        | '00F1'O                                                   |          |
| mnc                        | '10'O                                                     |          |
| <b>Detailed Comments:</b>  |                                                           |          |

| Structured Type Constraint |                                |          |
|----------------------------|--------------------------------|----------|
| <b>Constraint Name:</b>    | LocAreald_30(Lac: OCTETSTRING) |          |
| <b>Structured Type:</b>    | LAI                            |          |
| <b>Derivation Path:</b>    |                                |          |
| <b>Comments:</b>           | LAC set in TCv_lac.            |          |
| Element Name               | Element Value                  | Comments |
| iei                        | OMIT                           |          |
| mcc                        | '00F1'O                        |          |
| mnc                        | C_PLMN_1                       |          |
| lac                        | Lac                            |          |
| <b>Detailed Comments:</b>  |                                |          |

| Structured Type Constraint |                                |          |
|----------------------------|--------------------------------|----------|
| <b>Constraint Name:</b>    | LocAreald_31(Lac: OCTETSTRING) |          |
| <b>Structured Type:</b>    | LAI                            |          |
| <b>Derivation Path:</b>    |                                |          |
| <b>Comments:</b>           | LAC set in TCV_lac.            |          |
| Element Name               | Element Value                  | Comments |
| iei                        | OMIT                           |          |
| mcc                        | '00F1'O                        |          |
| mnc                        | C_PLMN_2                       |          |
| lac                        | Lac                            |          |
| <b>Detailed Comments:</b>  |                                |          |

| Structured Type Constraint |                                       |          |
|----------------------------|---------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUpType_01                          |          |
| <b>Structured Type:</b>    | LUT                                   |          |
| <b>Derivation Path:</b>    |                                       |          |
| <b>Comments:</b>           | location updating type = IMSI attach. |          |
| Element Name               | Element Value                         | Comments |
| foreq                      | '0'B                                  |          |
| sprb                       | '0'B                                  |          |
| lut                        | '10'B                                 |          |
| <b>Detailed Comments:</b>  |                                       |          |

| Structured Type Constraint |                                                    |          |
|----------------------------|----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUpType_02                                       |          |
| <b>Structured Type:</b>    | LUT                                                |          |
| <b>Derivation Path:</b>    | LocUpType_01.                                      |          |
| <b>Comments:</b>           | location updating type = normal location updating. |          |
| Element Name               | Element Value                                      | Comments |
| lut                        | '00'B                                              |          |
| <b>Detailed Comments:</b>  |                                                    |          |

| Structured Type Constraint |                                             |          |
|----------------------------|---------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUpType_03                                |          |
| <b>Structured Type:</b>    | LUT                                         |          |
| <b>Derivation Path:</b>    | LocUpType_01.                               |          |
| <b>Comments:</b>           | location updating type = periodic updating. |          |
| Element Name               | Element Value                               | Comments |
| lut                        | '01'B                                       |          |
| <b>Detailed Comments:</b>  |                                             |          |

| Structured Type Constraint |                                                      |          |
|----------------------------|------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUpType_05                                         |          |
| <b>Structured Type:</b>    | LUT                                                  |          |
| <b>Derivation Path:</b>    |                                                      |          |
| <b>Comments:</b>           | any location updating type. FOR bit ist set to zero. |          |
| Element Name               | Element Value                                        | Comments |
| foreq                      | '0'B                                                 |          |
| sprb                       | '0'B                                                 |          |
| lut                        | '??'B                                                |          |
| <b>Detailed Comments:</b>  |                                                      |          |

| Structured Type Constraint |                                     |          |
|----------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>    | Mi_01                               |          |
| <b>Structured Type:</b>    | MI                                  |          |
| <b>Derivation Path:</b>    |                                     |          |
| <b>Comments:</b>           | used as a comprehension required IE |          |
| Element Name               | Element Value                       | Comments |
| iei                        | '00000000'B                         |          |
| iel                        | '01'O                               |          |
| idigit_1                   | '1110'B                             |          |
| oei                        | '1'B                                |          |
| toi                        | '111'B                              |          |
| idigits_other              | OMIT                                |          |
| <b>Detailed Comments:</b>  |                                     |          |

| Structured Type Constraint                       |                         |          |
|--------------------------------------------------|-------------------------|----------|
| <b>Constraint Name:</b>                          | Mi_02                   |          |
| <b>Structured Type:</b>                          | MI                      |          |
| <b>Derivation Path:</b>                          |                         |          |
| <b>Comments:</b>                                 | used as an unknown IEI. |          |
| Element Name                                     | Element Value           | Comments |
| iei                                              | '10101110'B             |          |
| iel                                              | OMIT                    |          |
| idigit_1                                         | OMIT                    |          |
| oei                                              | OMIT                    |          |
| toi                                              | OMIT                    |          |
| idigits_other                                    | OMIT                    |          |
| <b>Detailed Comments:</b> used in TC_26_5_6_1_1. |                         |          |

| Structured Type Constraint |                       |          |
|----------------------------|-----------------------|----------|
| <b>Constraint Name:</b>    | Mi_05                 |          |
| <b>Structured Type:</b>    | MI                    |          |
| <b>Derivation Path:</b>    |                       |          |
| <b>Comments:</b>           | used as an unknown IE |          |
| Element Name               | Element Value         | Comments |
| iei                        | '00000010'B           |          |
| iel                        | 'E0'O                 |          |
| idigit_1                   | '1001'B               |          |
| oei                        | '0'B                  |          |
| toi                        | '000'B                |          |
| idigits_other              | OMIT                  |          |
| <b>Detailed Comments:</b>  |                       |          |

| Structured Type Constraint                       |                         |          |
|--------------------------------------------------|-------------------------|----------|
| <b>Constraint Name:</b>                          | Mi_06                   |          |
| <b>Structured Type:</b>                          | MI                      |          |
| <b>Derivation Path:</b>                          |                         |          |
| <b>Comments:</b>                                 | used as an unknown IEI. |          |
| Element Name                                     | Element Value           | Comments |
| iei                                              | '00010011'B             |          |
| iel                                              | '02'O                   |          |
| idigit_1                                         | '1010'B                 |          |
| oei                                              | '0'B                    |          |
| toi                                              | '111'B                  |          |
| idigits_other                                    | '78'O                   |          |
| <b>Detailed Comments:</b> used in TC_26_5_6_1_2. |                         |          |



| Structured Type Constraint |                         |          |
|----------------------------|-------------------------|----------|
| <b>Constraint Name:</b>    | Milmei_01               |          |
| <b>Structured Type:</b>    | MI                      |          |
| <b>Derivation Path:</b>    |                         |          |
| <b>Comments:</b>           | IMEI                    |          |
| Element Name               | Element Value           | Comments |
| iei                        | OMIT                    |          |
| iel                        | '08'O                   |          |
| idigit_1                   | OC_FirstDigi(TSPX_IMEI) |          |
| oei                        | '1'B                    |          |
| toi                        | '010'B                  |          |
| idigits_other              | OC_OtherDigi(TSPX_IMEI) |          |
| <b>Detailed Comments:</b>  |                         |          |

| Structured Type Constraint |                           |          |
|----------------------------|---------------------------|----------|
| <b>Constraint Name:</b>    | Milmeisv_01               |          |
| <b>Structured Type:</b>    | MI                        |          |
| <b>Derivation Path:</b>    |                           |          |
| <b>Comments:</b>           | TSPX_IMEISV               |          |
| Element Name               | Element Value             | Comments |
| iei                        | OMIT                      |          |
| iel                        | '09'O                     |          |
| idigit_1                   | OC_FirstDigi(TSPX_IMEISV) |          |
| oei                        | '0'B                      |          |
| toi                        | '011'B                    |          |
| idigits_other              | OC_OtherDigi(TSPX_IMEISV) |          |
| <b>Detailed Comments:</b>  |                           |          |

| Structured Type Constraint |                           |          |
|----------------------------|---------------------------|----------|
| <b>Constraint Name:</b>    | Milmeisv_01iei            |          |
| <b>Structured Type:</b>    | MI                        |          |
| <b>Derivation Path:</b>    |                           |          |
| <b>Comments:</b>           | TSPX_IMEISV               |          |
| Element Name               | Element Value             | Comments |
| iei                        | '00010111'B               |          |
| iel                        | '09'O                     |          |
| idigit_1                   | OC_FirstDigi(TSPX_IMEISV) |          |
| oei                        | '0'B                      |          |
| toi                        | '011'B                    |          |
| idigits_other              | OC_OtherDigi(TSPX_IMEISV) |          |
| <b>Detailed Comments:</b>  |                           |          |

| Structured Type Constraint |                                                   |          |
|----------------------------|---------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Milmsi_01                                         |          |
| <b>Structured Type:</b>    | MI                                                |          |
| <b>Derivation Path:</b>    |                                                   |          |
| <b>Comments:</b>           | the TSPX_IMSI is the IMSI of the MS under test    |          |
| Element Name               | Element Value                                     | Comments |
| iei                        | OMIT                                              |          |
| iel                        | OC_IntToOct(((<br>LENGTH_OF(TSPX_IMSI))/2 + 1),1) |          |
| idigit_1                   | OC_FirstDigi(TSPX_IMSI)                           |          |
| oei                        | OC_OeBit(TSPX_IMSI)                               |          |
| toi                        | '001'B                                            |          |
| idigits_other              | OC_OtherDigi(TSPX_IMSI)                           |          |
| <b>Detailed Comments:</b>  |                                                   |          |

| Structured Type Constraint |                                                |          |
|----------------------------|------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Milmsi_01iei                                   |          |
| <b>Structured Type:</b>    | MI                                             |          |
| <b>Derivation Path:</b>    |                                                |          |
| <b>Comments:</b>           | the TSPX_IMSI is the IMSI of the MS under test |          |
| Element Name               | Element Value                                  | Comments |
| iei                        | '00010111'B                                    |          |
| iel                        | OC_IntToOct(((LENGTH_OF(TSPX_IMSI))/2 + 1),1)  |          |
| idigit_1                   | OC_FirstDigi(TSPX_IMSI)                        |          |
| oei                        | OC_OeBit(TSPX_IMSI)                            |          |
| toi                        | '001'B                                         |          |
| idigits_other              | OC_OtherDigi(TSPX_IMSI)                        |          |
| <b>Detailed Comments:</b>  |                                                |          |

| Structured Type Constraint |                                                                                                                              |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Milmsi_02                                                                                                                    |          |
| <b>Structured Type:</b>    | MI                                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                              |          |
| <b>Comments:</b>           | This constraint is used in paging filling message. No mobile is paged (Type of identity is set to '000'B, i.e. no identity). |          |
| Element Name               | Element Value                                                                                                                | Comments |
| iei                        | OMIT                                                                                                                         |          |
| iel                        | '01'O                                                                                                                        |          |
| idigit_1                   | '1111'B                                                                                                                      |          |
| oei                        | '0'B                                                                                                                         |          |
| toi                        | '000'B                                                                                                                       |          |
| idigits_other              | OMIT                                                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                                                              |          |

| Structured Type Constraint                                   |                                                                                                   |          |
|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>                                      | Milmsi_31                                                                                         |          |
| <b>Structured Type:</b>                                      | MI                                                                                                |          |
| <b>Derivation Path:</b>                                      |                                                                                                   |          |
| <b>Comments:</b>                                             | An another IMSI differing from Milmsi_01for RR testing, which is shorter than the maximum length. |          |
| Element Name                                                 | Element Value                                                                                     | Comments |
| iei                                                          | OMIT                                                                                              |          |
| iel                                                          | '05'O                                                                                             |          |
| idigit_1                                                     | '0000'B                                                                                           |          |
| oei                                                          | '1'B                                                                                              |          |
| toi                                                          | '001'B                                                                                            |          |
| idigits_other                                                | '10102143'O                                                                                       |          |
| <b>Detailed Comments:</b> IMSI has 9 digits: '00 10 11 23 4' |                                                                                                   |          |

| Structured Type Constraint |                                                          |          |
|----------------------------|----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Milmsi_r01                                               |          |
| <b>Structured Type:</b>    | MI                                                       |          |
| <b>Derivation Path:</b>    |                                                          |          |
| <b>Comments:</b>           | An another IMSI differing from Milmsi_01 for RR testing. |          |
| Element Name               | Element Value                                            | Comments |
| iei                        | OMIT                                                     |          |
| iel                        | '07'O                                                    |          |
| idigit_1                   | '0000'B                                                  |          |
| oei                        | '1'B                                                     |          |
| toi                        | '001'B                                                   |          |
| idigits_other              | '981032547698'O                                          |          |
| <b>Detailed Comments:</b>  | IMSI has 13 digits: '08 90 12 34 56 78 9'                |          |

| Structured Type Constraint |                                                          |          |
|----------------------------|----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Milmsi_r01iei                                            |          |
| <b>Structured Type:</b>    | MI                                                       |          |
| <b>Derivation Path:</b>    |                                                          |          |
| <b>Comments:</b>           | An another IMSI differing from Milmsi_01 for RR testing. |          |
| Element Name               | Element Value                                            | Comments |
| iei                        | '00010111'B                                              |          |
| iel                        | '07'O                                                    |          |
| idigit_1                   | '0000'B                                                  |          |
| oei                        | '1'B                                                     |          |
| toi                        | '001'B                                                   |          |
| idigits_other              | '981032547698'O                                          |          |
| <b>Detailed Comments:</b>  | IMSI has 13 digits: '08 90 12 34 56 78 9'                |          |

| Structured Type Constraint |                           |          |
|----------------------------|---------------------------|----------|
| <b>Constraint Name:</b>    | MiTmsi_01                 |          |
| <b>Structured Type:</b>    | MI                        |          |
| <b>Derivation Path:</b>    |                           |          |
| <b>Comments:</b>           | default TMSI for testing. |          |
| Element Name               | Element Value             | Comments |
| iei                        | OMIT                      |          |
| iel                        | '05'O                     |          |
| idigit_1                   | '1111'B                   |          |
| oei                        | '0'B                      |          |
| toi                        | '100'B                    |          |
| idigits_other              | TSPX_TMSI                 |          |
| <b>Detailed Comments:</b>  |                           |          |

| Structured Type Constraint |                           |          |
|----------------------------|---------------------------|----------|
| <b>Constraint Name:</b>    | MiTmsi_01iei              |          |
| <b>Structured Type:</b>    | MI                        |          |
| <b>Derivation Path:</b>    |                           |          |
| <b>Comments:</b>           | default TMSI for testing. |          |
| Element Name               | Element Value             | Comments |
| iei                        | '00010111'B               |          |
| iel                        | '05'O                     |          |
| idigit_1                   | '1111'B                   |          |
| oei                        | '0'B                      |          |
| toi                        | '100'B                    |          |
| idigits_other              | TSPX_TMSI                 |          |
| <b>Detailed Comments:</b>  |                           |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | MiTmsi_02     |          |
| <b>Structured Type:</b>    | MI            |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           | A new TMSI    |          |
| Element Name               | Element Value | Comments |
| iei                        | OMIT          |          |
| iel                        | '05'O         |          |
| idigit_1                   | '1111'B       |          |
| oei                        | '0'B          |          |
| toi                        | '100'B        |          |
| idigits_other              | TSPX_TMSI1    |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | MiTmsi_02iei  |          |
| <b>Structured Type:</b>    | MI            |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           | A new TMSI    |          |
| Element Name               | Element Value | Comments |
| iei                        | '00010111'B   |          |
| iel                        | '05'O         |          |
| idigit_1                   | '1111'B       |          |
| oei                        | '0'B          |          |
| toi                        | '100'B        |          |
| idigits_other              | TSPX_TMSI1    |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                                                                      |          |
|----------------------------|----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MiTmsi_04                                                            |          |
| <b>Structured Type:</b>    | MI                                                                   |          |
| <b>Derivation Path:</b>    |                                                                      |          |
| <b>Comments:</b>           | a new TMSI different from default, used in LOCATION UPDATING message |          |
| Element Name               | Element Value                                                        | Comments |
| iei                        | '00010111'B                                                          |          |
| iel                        | '05'O                                                                |          |
| idigit_1                   | '1111'B                                                              |          |
| oei                        | '0'B                                                                 |          |
| toi                        | '100'B                                                               |          |
| idigits_other              | TSPX_TMSI1                                                           |          |
| <b>Detailed Comments:</b>  |                                                                      |          |

| Structured Type Constraint                                                                 |                               |          |
|--------------------------------------------------------------------------------------------|-------------------------------|----------|
| <b>Constraint Name:</b>                                                                    | MiTmsi_r01                    |          |
| <b>Structured Type:</b>                                                                    | MI                            |          |
| <b>Derivation Path:</b>                                                                    |                               |          |
| <b>Comments:</b>                                                                           | A TMSI differs from MiTmsi_01 |          |
| Element Name                                                                               | Element Value                 | Comments |
| iei                                                                                        | OMIT                          |          |
| iel                                                                                        | '05'O                         |          |
| idigit_1                                                                                   | '1111'B                       |          |
| oei                                                                                        | '0'B                          |          |
| toi                                                                                        | '100'B                        |          |
| idigits_other                                                                              | OC_IncTmsi(TSPX_TMSI, '01'O)  |          |
| <b>Detailed Comments:</b> Note: the TSPX_TMSI + '01'O shall not be identical to TSPX_TMSI1 |                               |          |

| Structured Type Constraint |                                                     |          |
|----------------------------|-----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MiTmsi_r02                                          |          |
| <b>Structured Type:</b>    | MI                                                  |          |
| <b>Derivation Path:</b>    |                                                     |          |
| <b>Comments:</b>           | default TMSI for testing with toi setting to no id. |          |
| Element Name               | Element Value                                       | Comments |
| iei                        | OMIT                                                |          |
| iel                        | '05'O                                               |          |
| idigit_1                   | '1111'B                                             |          |
| oei                        | '0'B                                                |          |
| toi                        | '000'B                                              |          |
| idigits_other              | TSPX_TMSI                                           |          |
| <b>Detailed Comments:</b>  |                                                     |          |

| Structured Type Constraint |                                                     |          |
|----------------------------|-----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MiTmsi_r02iei                                       |          |
| <b>Structured Type:</b>    | MI                                                  |          |
| <b>Derivation Path:</b>    |                                                     |          |
| <b>Comments:</b>           | default TMSI for testing with toi setting to no id. |          |
| Element Name               | Element Value                                       | Comments |
| iei                        | '00010111'B                                         |          |
| iel                        | '05'O                                               |          |
| idigit_1                   | '1111'B                                             |          |
| oei                        | '0'B                                                |          |
| toi                        | '000'B                                              |          |
| idigits_other              | TSPX_TMSI                                           |          |
| <b>Detailed Comments:</b>  |                                                     |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ma1_g01                                                         |          |
| <b>Structured Type:</b>    | MA                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used in TC_26_6_6_1 for GSM, cell allocation contains 64 ARFCHs |          |
| Element Name               | Element Value                                                   | Comments |
| iei                        | OMIT                                                            |          |
| iel                        | '08'O                                                           |          |
| mac_8n                     | '00000000'B                                                     |          |
| mac_7n                     | '00000000'B                                                     |          |
| mac_6n                     | '00000000'B                                                     |          |
| mac_5n                     | '00000000'B                                                     |          |
| mac_4n                     | '00000000'B                                                     |          |
| mac_3n                     | '00000000'B                                                     |          |
| mac_2n                     | '00111111'B                                                     |          |
| mac_1n                     | '11111110'B                                                     |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ma1_g02                                                         |          |
| <b>Structured Type:</b>    | MA                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used in TC_26_6_6_1 for GSM, cell allocation contains 64 ARFCHs |          |
| Element Name               | Element Value                                                   | Comments |
| iei                        | OMIT                                                            |          |
| iel                        | '08'O                                                           |          |
| mac_8n                     | '10000000'B                                                     |          |
| mac_7n                     | '00000000'B                                                     |          |
| mac_6n                     | '00000000'B                                                     |          |
| mac_5n                     | '10000000'B                                                     |          |
| mac_4n                     | '00100000'B                                                     |          |
| mac_3n                     | '00000000'B                                                     |          |
| mac_2n                     | '00000000'B                                                     |          |
| mac_1n                     | '00000101'B                                                     |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ma1_g03                                                         |          |
| <b>Structured Type:</b>    | MA                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used in TC_26_6_6_1 for GSM, cell allocation contains 64 ARFCHs |          |
| Element Name               | Element Value                                                   | Comments |
| iei                        | OMIT                                                            |          |
| iel                        | '08'O                                                           |          |
| mac_8n                     | '01000000'B                                                     |          |
| mac_7n                     | '00000000'B                                                     |          |
| mac_6n                     | '00000000'B                                                     |          |
| mac_5n                     | '00000010'B                                                     |          |
| mac_4n                     | '00000000'B                                                     |          |
| mac_3n                     | '00000000'B                                                     |          |
| mac_2n                     | '00000000'B                                                     |          |
| mac_1n                     | '01100101'B                                                     |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ma1_g04                                                         |          |
| <b>Structured Type:</b>    | MA                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used in TC_26_6_6_1 for GSM, cell allocation contains 64 ARFCHs |          |
| Element Name               | Element Value                                                   | Comments |
| iei                        | OMIT                                                            |          |
| iel                        | '08'O                                                           |          |
| mac_8n                     | '00000001'B                                                     |          |
| mac_7n                     | '00000000'B                                                     |          |
| mac_6n                     | '01000010'B                                                     |          |
| mac_5n                     | '00000000'B                                                     |          |
| mac_4n                     | '00000000'B                                                     |          |
| mac_3n                     | '00000001'B                                                     |          |
| mac_2n                     | '01110000'B                                                     |          |
| mac_1n                     | '00000000'B                                                     |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ma1_g05                                                         |          |
| <b>Structured Type:</b>    | MA                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used in TC_26_6_6_1 for GSM, cell allocation contains 64 ARFCHs |          |
| Element Name               | Element Value                                                   | Comments |
| iei                        | OMIT                                                            |          |
| iel                        | '08'O                                                           |          |
| mac_8n                     | '01001000'B                                                     |          |
| mac_7n                     | '00000000'B                                                     |          |
| mac_6n                     | '00000000'B                                                     |          |
| mac_5n                     | '00000000'B                                                     |          |
| mac_4n                     | '00000000'B                                                     |          |
| mac_3n                     | '00001101'B                                                     |          |
| mac_2n                     | '01000100'B                                                     |          |
| mac_1n                     | '00000001'B                                                     |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ma1_g06                                                         |          |
| <b>Structured Type:</b>    | MA                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used in TC_26_6_6_1 for GSM, cell allocation contains 64 ARFCHs |          |
| Element Name               | Element Value                                                   | Comments |
| iei                        | OMIT                                                            |          |
| iel                        | '08'O                                                           |          |
| mac_8n                     | '11111111'B                                                     |          |
| mac_7n                     | '10000000'B                                                     |          |
| mac_6n                     | '00000000'B                                                     |          |
| mac_5n                     | '00000000'B                                                     |          |
| mac_4n                     | '00000000'B                                                     |          |
| mac_3n                     | '00000000'B                                                     |          |
| mac_2n                     | '00011111'B                                                     |          |
| mac_1n                     | '00000000'B                                                     |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ma1_g07                                                         |          |
| <b>Structured Type:</b>    | MA                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used in TC_26_6_6_1 for GSM, cell allocation contains 64 ARFCHs |          |
| Element Name               | Element Value                                                   | Comments |
| iei                        | OMIT                                                            |          |
| iel                        | '08'O                                                           |          |
| mac_8n                     | '11111000'B                                                     |          |
| mac_7n                     | '00000000'B                                                     |          |
| mac_6n                     | '00000000'B                                                     |          |
| mac_5n                     | '00000000'B                                                     |          |
| mac_4n                     | '00000000'B                                                     |          |
| mac_3n                     | '00000000'B                                                     |          |
| mac_2n                     | '00011111'B                                                     |          |
| mac_1n                     | '00000000'B                                                     |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ma1_g08                                                         |          |
| <b>Structured Type:</b>    | MA                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used in TC_26_6_6_1 for GSM, cell allocation contains 64 ARFCHs |          |
| Element Name               | Element Value                                                   | Comments |
| iei                        | OMIT                                                            |          |
| iel                        | '08'O                                                           |          |
| mac_8n                     | '00000000'B                                                     |          |
| mac_7n                     | '00000000'B                                                     |          |
| mac_6n                     | '00000000'B                                                     |          |
| mac_5n                     | '00000000'B                                                     |          |
| mac_4n                     | '00000000'B                                                     |          |
| mac_3n                     | '00001111'B                                                     |          |
| mac_2n                     | '11111110'B                                                     |          |
| mac_1n                     | '00000000'B                                                     |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ma1_g09                                                         |          |
| <b>Structured Type:</b>    | MA                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used in TC_26_6_6_1 for GSM, cell allocation contains 64 ARFCHs |          |
| Element Name               | Element Value                                                   | Comments |
| iei                        | OMIT                                                            |          |
| iel                        | '08'O                                                           |          |
| mac_8n                     | '11111111'B                                                     |          |
| mac_7n                     | '11110000'B                                                     |          |
| mac_6n                     | '00000000'B                                                     |          |
| mac_5n                     | '00000000'B                                                     |          |
| mac_4n                     | '00000000'B                                                     |          |
| mac_3n                     | '00000000'B                                                     |          |
| mac_2n                     | '00000000'B                                                     |          |
| mac_1n                     | '00000000'B                                                     |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ma2_g01                                                         |          |
| <b>Structured Type:</b>    | MA                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used in TC_26_6_6_1 for GSM, cell allocation contains 30 ARFCHs |          |
| Element Name               | Element Value                                                   | Comments |
| iei                        | OMIT                                                            |          |
| iel                        | '04'O                                                           |          |
| mac_8n                     | '00111111'B                                                     |          |
| mac_7n                     | '11111100'B                                                     |          |
| mac_6n                     | '00000000'B                                                     |          |
| mac_5n                     | '00000000'B                                                     |          |
| mac_4n                     | OMIT                                                            |          |
| mac_3n                     | OMIT                                                            |          |
| mac_2n                     | OMIT                                                            |          |
| mac_1n                     | OMIT                                                            |          |
| <b>Detailed Comments:</b>  |                                                                 |          |



| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ma2_g02                                                         |          |
| <b>Structured Type:</b>    | MA                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used in TC_26_6_6_1 for GSM, cell allocation contains 30 ARFCHs |          |
| Element Name               | Element Value                                                   | Comments |
| iei                        | OMIT                                                            |          |
| iel                        | '04'O                                                           |          |
| mac_8n                     | '00000000'B                                                     |          |
| mac_7n                     | '00000000'B                                                     |          |
| mac_6n                     | '00000000'B                                                     |          |
| mac_5n                     | '00001111'B                                                     |          |
| mac_4n                     | OMIT                                                            |          |
| mac_3n                     | OMIT                                                            |          |
| mac_2n                     | OMIT                                                            |          |
| mac_1n                     | OMIT                                                            |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ma2_g03                                                         |          |
| <b>Structured Type:</b>    | MA                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used in TC_26_6_6_1 for GSM, cell allocation contains 30 ARFCHs |          |
| Element Name               | Element Value                                                   | Comments |
| iei                        | OMIT                                                            |          |
| iel                        | '04'O                                                           |          |
| mac_8n                     | '00000000'B                                                     |          |
| mac_7n                     | '00011111'B                                                     |          |
| mac_6n                     | '00000000'B                                                     |          |
| mac_5n                     | '00000000'B                                                     |          |
| mac_4n                     | OMIT                                                            |          |
| mac_3n                     | OMIT                                                            |          |
| mac_2n                     | OMIT                                                            |          |
| mac_1n                     | OMIT                                                            |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ma2_g04                                                         |          |
| <b>Structured Type:</b>    | MA                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used in TC_26_6_6_1 for GSM, cell allocation contains 30 ARFCHs |          |
| Element Name               | Element Value                                                   | Comments |
| iei                        | OMIT                                                            |          |
| iel                        | '04'O                                                           |          |
| mac_8n                     | '00000000'B                                                     |          |
| mac_7n                     | '00001010'B                                                     |          |
| mac_6n                     | '10101010'B                                                     |          |
| mac_5n                     | '00000000'B                                                     |          |
| mac_4n                     | OMIT                                                            |          |
| mac_3n                     | OMIT                                                            |          |
| mac_2n                     | OMIT                                                            |          |
| mac_1n                     | OMIT                                                            |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ma2_g05                                                         |          |
| <b>Structured Type:</b>    | MA                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used in TC_26_6_6_1 for GSM, cell allocation contains 30 ARFCHs |          |
| Element Name               | Element Value                                                   | Comments |
| iei                        | OMIT                                                            |          |
| iel                        | '04'O                                                           |          |
| mac_8n                     | '00010101'B                                                     |          |
| mac_7n                     | '01000000'B                                                     |          |
| mac_6n                     | '00000000'B                                                     |          |
| mac_5n                     | '10101000'B                                                     |          |
| mac_4n                     | OMIT                                                            |          |
| mac_3n                     | OMIT                                                            |          |
| mac_2n                     | OMIT                                                            |          |
| mac_1n                     | OMIT                                                            |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ma2_g06                                                         |          |
| <b>Structured Type:</b>    | MA                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used in TC_26_6_6_1 for GSM, cell allocation contains 30 ARFCHs |          |
| Element Name               | Element Value                                                   | Comments |
| iei                        | OMIT                                                            |          |
| iel                        | '04'O                                                           |          |
| mac_8n                     | '00011010'B                                                     |          |
| mac_7n                     | '10100000'B                                                     |          |
| mac_6n                     | '00000000'B                                                     |          |
| mac_5n                     | '00011100'B                                                     |          |
| mac_4n                     | OMIT                                                            |          |
| mac_3n                     | OMIT                                                            |          |
| mac_2n                     | OMIT                                                            |          |
| mac_1n                     | OMIT                                                            |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ma2_g07                                                         |          |
| <b>Structured Type:</b>    | MA                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used in TC_26_6_6_1 for GSM, cell allocation contains 30 ARFCHs |          |
| Element Name               | Element Value                                                   | Comments |
| iei                        | OMIT                                                            |          |
| iel                        | '04'O                                                           |          |
| mac_8n                     | '00011100'B                                                     |          |
| mac_7n                     | '00000011'B                                                     |          |
| mac_6n                     | '10011100'B                                                     |          |
| mac_5n                     | '00000000'B                                                     |          |
| mac_4n                     | OMIT                                                            |          |
| mac_3n                     | OMIT                                                            |          |
| mac_2n                     | OMIT                                                            |          |
| mac_1n                     | OMIT                                                            |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ma2_g08                                                         |          |
| <b>Structured Type:</b>    | MA                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used in TC_26_6_6_1 for GSM, cell allocation contains 30 ARFCHs |          |
| Element Name               | Element Value                                                   | Comments |
| iei                        | OMIT                                                            |          |
| iel                        | '04'O                                                           |          |
| mac_8n                     | '00000001'B                                                     |          |
| mac_7n                     | '00100100'B                                                     |          |
| mac_6n                     | '10010000'B                                                     |          |
| mac_5n                     | '00011111'B                                                     |          |
| mac_4n                     | OMIT                                                            |          |
| mac_3n                     | OMIT                                                            |          |
| mac_2n                     | OMIT                                                            |          |
| mac_1n                     | OMIT                                                            |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ma2_g09                                                         |          |
| <b>Structured Type:</b>    | MA                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used in TC_26_6_6_1 for GSM, cell allocation contains 30 ARFCHs |          |
| Element Name               | Element Value                                                   | Comments |
| iei                        | OMIT                                                            |          |
| iel                        | '04'O                                                           |          |
| mac_8n                     | '00110000'B                                                     |          |
| mac_7n                     | '00000011'B                                                     |          |
| mac_6n                     | '11010000'B                                                     |          |
| mac_5n                     | '00001111'B                                                     |          |
| mac_4n                     | OMIT                                                            |          |
| mac_3n                     | OMIT                                                            |          |
| mac_2n                     | OMIT                                                            |          |
| mac_1n                     | OMIT                                                            |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ma3_g01                                                         |          |
| <b>Structured Type:</b>    | MA                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used in TC_26_6_6_1 for GSM, cell allocation contains 12 ARFCHs |          |
| Element Name               | Element Value                                                   | Comments |
| iei                        | OMIT                                                            |          |
| iel                        | '02'O                                                           |          |
| mac_8n                     | '00001110'B                                                     |          |
| mac_7n                     | '11111111'B                                                     |          |
| mac_6n                     | OMIT                                                            |          |
| mac_5n                     | OMIT                                                            |          |
| mac_4n                     | OMIT                                                            |          |
| mac_3n                     | OMIT                                                            |          |
| mac_2n                     | OMIT                                                            |          |
| mac_1n                     | OMIT                                                            |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ma3_g02                                                         |          |
| <b>Structured Type:</b>    | MA                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used in TC_26_6_6_1 for GSM, cell allocation contains 12 ARFCHs |          |
| Element Name               | Element Value                                                   | Comments |
| iei                        | OMIT                                                            |          |
| iel                        | '02'O                                                           |          |
| mac_8n                     | '00000100'B                                                     |          |
| mac_7n                     | '00000011'B                                                     |          |
| mac_6n                     | OMIT                                                            |          |
| mac_5n                     | OMIT                                                            |          |
| mac_4n                     | OMIT                                                            |          |
| mac_3n                     | OMIT                                                            |          |
| mac_2n                     | OMIT                                                            |          |
| mac_1n                     | OMIT                                                            |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ma3_g03                                                         |          |
| <b>Structured Type:</b>    | MA                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used in TC_26_6_6_1 for GSM, cell allocation contains 12 ARFCHs |          |
| Element Name               | Element Value                                                   | Comments |
| iei                        | OMIT                                                            |          |
| iel                        | '02'O                                                           |          |
| mac_8n                     | '00001010'B                                                     |          |
| mac_7n                     | '10100000'B                                                     |          |
| mac_6n                     | OMIT                                                            |          |
| mac_5n                     | OMIT                                                            |          |
| mac_4n                     | OMIT                                                            |          |
| mac_3n                     | OMIT                                                            |          |
| mac_2n                     | OMIT                                                            |          |
| mac_1n                     | OMIT                                                            |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ma3_g04                                                         |          |
| <b>Structured Type:</b>    | MA                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used in TC_26_6_6_1 for GSM, cell allocation contains 12 ARFCHs |          |
| Element Name               | Element Value                                                   | Comments |
| iei                        | OMIT                                                            |          |
| iel                        | '02'O                                                           |          |
| mac_8n                     | '00000111'B                                                     |          |
| mac_7n                     | '11000000'B                                                     |          |
| mac_6n                     | OMIT                                                            |          |
| mac_5n                     | OMIT                                                            |          |
| mac_4n                     | OMIT                                                            |          |
| mac_3n                     | OMIT                                                            |          |
| mac_2n                     | OMIT                                                            |          |
| mac_1n                     | OMIT                                                            |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ma3_g05                                                         |          |
| <b>Structured Type:</b>    | MA                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used in TC_26_6_6_1 for GSM, cell allocation contains 12 ARFCHs |          |
| Element Name               | Element Value                                                   | Comments |
| iei                        | OMIT                                                            |          |
| iel                        | '02'O                                                           |          |
| mac_8n                     | '00001010'B                                                     |          |
| mac_7n                     | '10010101'B                                                     |          |
| mac_6n                     | OMIT                                                            |          |
| mac_5n                     | OMIT                                                            |          |
| mac_4n                     | OMIT                                                            |          |
| mac_3n                     | OMIT                                                            |          |
| mac_2n                     | OMIT                                                            |          |
| mac_1n                     | OMIT                                                            |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ma3_g06                                                         |          |
| <b>Structured Type:</b>    | MA                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used in TC_26_6_6_1 for GSM, cell allocation contains 12 ARFCHs |          |
| Element Name               | Element Value                                                   | Comments |
| iei                        | OMIT                                                            |          |
| iel                        | '02'O                                                           |          |
| mac_8n                     | '00001111'B                                                     |          |
| mac_7n                     | '00001011'B                                                     |          |
| mac_6n                     | OMIT                                                            |          |
| mac_5n                     | OMIT                                                            |          |
| mac_4n                     | OMIT                                                            |          |
| mac_3n                     | OMIT                                                            |          |
| mac_2n                     | OMIT                                                            |          |
| mac_1n                     | OMIT                                                            |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ma3_g07                                                         |          |
| <b>Structured Type:</b>    | MA                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used in TC_26_6_6_1 for GSM, cell allocation contains 12 ARFCHs |          |
| Element Name               | Element Value                                                   | Comments |
| iei                        | OMIT                                                            |          |
| iel                        | '02'O                                                           |          |
| mac_8n                     | '00001010'B                                                     |          |
| mac_7n                     | '11110011'B                                                     |          |
| mac_6n                     | OMIT                                                            |          |
| mac_5n                     | OMIT                                                            |          |
| mac_4n                     | OMIT                                                            |          |
| mac_3n                     | OMIT                                                            |          |
| mac_2n                     | OMIT                                                            |          |
| mac_1n                     | OMIT                                                            |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ma3_g08                                                         |          |
| <b>Structured Type:</b>    | MA                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used in TC_26_6_6_1 for GSM, cell allocation contains 12 ARFCHs |          |
| Element Name               | Element Value                                                   | Comments |
| iei                        | OMIT                                                            |          |
| iel                        | '02'O                                                           |          |
| mac_8n                     | '00001111'B                                                     |          |
| mac_7n                     | '00101111'B                                                     |          |
| mac_6n                     | OMIT                                                            |          |
| mac_5n                     | OMIT                                                            |          |
| mac_4n                     | OMIT                                                            |          |
| mac_3n                     | OMIT                                                            |          |
| mac_2n                     | OMIT                                                            |          |
| mac_1n                     | OMIT                                                            |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Ma3_g09                                                         |          |
| <b>Structured Type:</b>    | MA                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used in TC_26_6_6_1 for GSM, cell allocation contains 12 ARFCHs |          |
| Element Name               | Element Value                                                   | Comments |
| iei                        | OMIT                                                            |          |
| iel                        | '02'O                                                           |          |
| mac_8n                     | '00001111'B                                                     |          |
| mac_7n                     | '10111110'B                                                     |          |
| mac_6n                     | OMIT                                                            |          |
| mac_5n                     | OMIT                                                            |          |
| mac_4n                     | OMIT                                                            |          |
| mac_3n                     | OMIT                                                            |          |
| mac_2n                     | OMIT                                                            |          |
| mac_1n                     | OMIT                                                            |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_01   |          |
| <b>Structured Type:</b>    | MA            |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           | non hopping   |          |
| Element Name               | Element Value | Comments |
| iei                        | OMIT          |          |
| iel                        | '00'O         |          |
| mac_8n                     | OMIT          |          |
| mac_7n                     | OMIT          |          |
| mac_6n                     | OMIT          |          |
| mac_5n                     | OMIT          |          |
| mac_4n                     | OMIT          |          |
| mac_3n                     | OMIT          |          |
| mac_2n                     | OMIT          |          |
| mac_1n                     | OMIT          |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                |          |
|----------------------------|----------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_01iei |          |
| <b>Structured Type:</b>    | MA             |          |
| <b>Derivation Path:</b>    |                |          |
| <b>Comments:</b>           | non hopping    |          |
| Element Name               | Element Value  | Comments |
| iei                        | '01110010'B    |          |
| iel                        | '00'O          |          |
| mac_8n                     | OMIT           |          |
| mac_7n                     | OMIT           |          |
| mac_6n                     | OMIT           |          |
| mac_5n                     | OMIT           |          |
| mac_4n                     | OMIT           |          |
| mac_3n                     | OMIT           |          |
| mac_2n                     | OMIT           |          |
| mac_1n                     | OMIT           |          |
| <b>Detailed Comments:</b>  |                |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_02   |          |
| <b>Structured Type:</b>    | MA            |          |
| <b>Derivation Path:</b>    | MoblAllc_01.  |          |
| <b>Comments:</b>           | hopping       |          |
| Element Name               | Element Value | Comments |
| iei                        | '01110010'B   |          |
| iel                        | '01'O         |          |
| mac_8n                     | '00000010'B   |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                                |          |
|----------------------------|--------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_04                    |          |
| <b>Structured Type:</b>    | MA                             |          |
| <b>Derivation Path:</b>    |                                |          |
| <b>Comments:</b>           | hopping used in TC_26_6_4_2_2. |          |
| Element Name               | Element Value                  | Comments |
| iei                        | '01110010'B                    |          |
| iel                        | '01'O                          |          |
| mac_8n                     | '00001110'B                    |          |
| mac_7n                     | OMIT                           |          |
| mac_6n                     | OMIT                           |          |
| mac_5n                     | OMIT                           |          |
| mac_4n                     | OMIT                           |          |
| mac_3n                     | OMIT                           |          |
| mac_2n                     | OMIT                           |          |
| mac_1n                     | OMIT                           |          |
| <b>Detailed Comments:</b>  |                                |          |

| Structured Type Constraint |                                                                                                                                                                     |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_20_A0                                                                                                                                                      |          |
| <b>Structured Type:</b>    | MA                                                                                                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                     |          |
| <b>Comments:</b>           | hopping with 0001 1111 1111 1111 1111<br>indicates all of the frequencies in CA of cell A with<br>ARFCN_list={10,17,20,26,34,42,45,46,52,59,66,73,74,75,76,108,114} |          |
| Element Name               | Element Value                                                                                                                                                       | Comments |
| iei                        | OMIT                                                                                                                                                                |          |
| iel                        | '03'O                                                                                                                                                               |          |
| mac_8n                     | '00000001'B                                                                                                                                                         |          |
| mac_7n                     | '11111111'B                                                                                                                                                         |          |
| mac_6n                     | '11111111'B                                                                                                                                                         |          |
| mac_5n                     | OMIT                                                                                                                                                                |          |
| mac_4n                     | OMIT                                                                                                                                                                |          |
| mac_3n                     | OMIT                                                                                                                                                                |          |
| mac_2n                     | OMIT                                                                                                                                                                |          |
| mac_1n                     | OMIT                                                                                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                     |          |

| Structured Type Constraint |                                                                                                                                                                                                               |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_20_A1                                                                                                                                                                                                |          |
| <b>Structured Type:</b>    | MA                                                                                                                                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                               |          |
| <b>Comments:</b>           | hopping with 0001 1111 1111 1111 1011<br>indicates all of the frequencies in CA of cell A with<br>ARFCN_list={10,17,20,26,34,42,45,46,52,59,66,73,74,75,76,108,114} with except for the BCCH<br>frequency 20. |          |
| Element Name               | Element Value                                                                                                                                                                                                 | Comments |
| iei                        | '01110010'B                                                                                                                                                                                                   |          |
| iel                        | '03'O                                                                                                                                                                                                         |          |
| mac_8n                     | '00000001'B                                                                                                                                                                                                   |          |
| mac_7n                     | '11111111'B                                                                                                                                                                                                   |          |
| mac_6n                     | '11111011'B                                                                                                                                                                                                   |          |
| mac_5n                     | OMIT                                                                                                                                                                                                          |          |
| mac_4n                     | OMIT                                                                                                                                                                                                          |          |
| mac_3n                     | OMIT                                                                                                                                                                                                          |          |
| mac_2n                     | OMIT                                                                                                                                                                                                          |          |
| mac_1n                     | OMIT                                                                                                                                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                               |          |



| Structured Type Constraint |                                                                                                                                                                                                                      |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MobilAllc_20_A3d                                                                                                                                                                                                     |          |
| <b>Structured Type:</b>    | MA                                                                                                                                                                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                      |          |
| <b>Comments:</b>           | hopping with 0000 0001 1111 1111 0111 1011<br>indicates all of the frequencies in CA of cell A<br>ARFCN_list={10,17,20,26,34,42,45,46,52,59,66,73,74,75,76,108,114} with except for the BCCH<br>frequency 20 and 52. |          |
| Element Name               | Element Value                                                                                                                                                                                                        | Comments |
| iei                        | OMIT                                                                                                                                                                                                                 |          |
| iel                        | '03'O                                                                                                                                                                                                                |          |
| mac_8n                     | '00000001'B                                                                                                                                                                                                          |          |
| mac_7n                     | '11111110'B                                                                                                                                                                                                          |          |
| mac_6n                     | '01111011'B                                                                                                                                                                                                          |          |
| mac_5n                     | OMIT                                                                                                                                                                                                                 |          |
| mac_4n                     | OMIT                                                                                                                                                                                                                 |          |
| mac_3n                     | OMIT                                                                                                                                                                                                                 |          |
| mac_2n                     | OMIT                                                                                                                                                                                                                 |          |
| mac_1n                     | OMIT                                                                                                                                                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                      |          |

| Structured Type Constraint |                                                                                                             |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MobilAllc_252                                                                                               |          |
| <b>Structured Type:</b>    | MA                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                             |          |
| <b>Comments:</b>           | hopping with 0001 1100<br>indicates ARFCN_list={40,66,73,74,75,76,108,114}<br>to the ARFCN_list={73,74,75}. |          |
| Element Name               | Element Value                                                                                               | Comments |
| iei                        | '01110010'B                                                                                                 |          |
| iel                        | '01'O                                                                                                       |          |
| mac_8n                     | '00011100'B                                                                                                 |          |
| mac_7n                     | OMIT                                                                                                        |          |
| mac_6n                     | OMIT                                                                                                        |          |
| mac_5n                     | OMIT                                                                                                        |          |
| mac_4n                     | OMIT                                                                                                        |          |
| mac_3n                     | OMIT                                                                                                        |          |
| mac_2n                     | OMIT                                                                                                        |          |
| mac_1n                     | OMIT                                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                             |          |

| Structured Type Constraint |                                                                                                               |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MobilAllc_252d                                                                                                |          |
| <b>Structured Type:</b>    | MA                                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                               |          |
| <b>Comments:</b>           | hopping with 0111 0000 0<br>List_ARFCN={761,764,771,779,782,791,798,829,832} to the ARFCN_list={791,798,829}. |          |
| Element Name               | Element Value                                                                                                 | Comments |
| iei                        | '01110010'B                                                                                                   |          |
| iel                        | '02'O                                                                                                         |          |
| mac_8n                     | '00000000'B                                                                                                   |          |
| mac_7n                     | '11100000'B                                                                                                   |          |
| mac_6n                     | OMIT                                                                                                          |          |
| mac_5n                     | OMIT                                                                                                          |          |
| mac_4n                     | OMIT                                                                                                          |          |
| mac_3n                     | OMIT                                                                                                          |          |
| mac_2n                     | OMIT                                                                                                          |          |
| mac_1n                     | OMIT                                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                                               |          |

| Structured Type Constraint |                                                                                     |          |
|----------------------------|-------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_22                                                                         |          |
| <b>Structured Type:</b>    | MA                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                     |          |
| <b>Comments:</b>           | hopping with all of f's from cell allocation of cell B with except of {764,832,844} |          |
| Element Name               | Element Value                                                                       | Comments |
| iei                        | '01110010'B                                                                         |          |
| iel                        | '02'O                                                                               |          |
| mac_8n                     | '11111110'B                                                                         |          |
| mac_7n                     | '11111100'B                                                                         |          |
| mac_6n                     | OMIT                                                                                |          |
| mac_5n                     | OMIT                                                                                |          |
| mac_4n                     | OMIT                                                                                |          |
| mac_3n                     | OMIT                                                                                |          |
| mac_2n                     | OMIT                                                                                |          |
| mac_1n                     | OMIT                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                     |          |

| Structured Type Constraint |                                                                              |          |
|----------------------------|------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_281                                                                 |          |
| <b>Structured Type:</b>    | MA                                                                           |          |
| <b>Derivation Path:</b>    |                                                                              |          |
| <b>Comments:</b>           | hopping with<br>indicates to the ARFCN_list={73,74,75} of cell allocation A. |          |
| Element Name               | Element Value                                                                | Comments |
| iei                        | OMIT                                                                         |          |
| iel                        | '03'O                                                                        |          |
| mac_8n                     | '00000000'B                                                                  |          |
| mac_7n                     | '00111000'B                                                                  |          |
| mac_6n                     | '00000000'B                                                                  |          |
| mac_5n                     | OMIT                                                                         |          |
| mac_4n                     | OMIT                                                                         |          |
| mac_3n                     | OMIT                                                                         |          |
| mac_2n                     | OMIT                                                                         |          |
| mac_1n                     | OMIT                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                              |          |

| Structured Type Constraint |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_281d                                                                   |          |
| <b>Structured Type:</b>    | MA                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                 |          |
| <b>Comments:</b>           | hopping with<br>indicates to the ARFCN_list={773,775,779} of cell allocation A. |          |
| Element Name               | Element Value                                                                   | Comments |
| iei                        | OMIT                                                                            |          |
| iel                        | '03'O                                                                           |          |
| mac_8n                     | '00000000'B                                                                     |          |
| mac_7n                     | '00000111'B                                                                     |          |
| mac_6n                     | '00000000'B                                                                     |          |
| mac_5n                     | OMIT                                                                            |          |
| mac_4n                     | OMIT                                                                            |          |
| mac_3n                     | OMIT                                                                            |          |
| mac_2n                     | OMIT                                                                            |          |
| mac_1n                     | OMIT                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| Structured Type Constraint |                                                                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_281e                                                                                                                   |          |
| <b>Structured Type:</b>    | MA                                                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                                                 |          |
| <b>Comments:</b>           | hopping sequence with EGSM frequencies. The frequencies which are used in the mobile hopping sequence are {0, 80, 1005, 1010} . |          |
| Element Name               | Element Value                                                                                                                   | Comments |
| iei                        | OMIT                                                                                                                            |          |
| iel                        | '01'O                                                                                                                           |          |
| mac_8n                     | '10111000'B                                                                                                                     |          |
| mac_7n                     | OMIT                                                                                                                            |          |
| mac_6n                     | OMIT                                                                                                                            |          |
| mac_5n                     | OMIT                                                                                                                            |          |
| mac_4n                     | OMIT                                                                                                                            |          |
| mac_3n                     | OMIT                                                                                                                            |          |
| mac_2n                     | OMIT                                                                                                                            |          |
| mac_1n                     | OMIT                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                 |          |

| Structured Type Constraint |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_281e2                                                                                                                             |          |
| <b>Structured Type:</b>    | MA                                                                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | hopping with<br>indicates to the ARFCN_list={20,66,78} of E-GSM cell allocation with<br>ARFCN_List={20,40,66,73,74,75,76,77,78,79,108,114} |          |
| Element Name               | Element Value                                                                                                                              | Comments |
| iei                        | OMIT                                                                                                                                       |          |
| iel                        | '02'O                                                                                                                                      |          |
| mac_8n                     | '00000001'B                                                                                                                                |          |
| mac_7n                     | '00000101'B                                                                                                                                |          |
| mac_6n                     | OMIT                                                                                                                                       |          |
| mac_5n                     | OMIT                                                                                                                                       |          |
| mac_4n                     | OMIT                                                                                                                                       |          |
| mac_3n                     | OMIT                                                                                                                                       |          |
| mac_2n                     | OMIT                                                                                                                                       |          |
| mac_1n                     | OMIT                                                                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| Structured Type Constraint |                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_282                                                                               |          |
| <b>Structured Type:</b>    | MA                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                            |          |
| <b>Comments:</b>           | hopping with<br>indicates to the Complete Cell Allocation of cell A with except for BCCH-f |          |
| Element Name               | Element Value                                                                              | Comments |
| iei                        | OMIT                                                                                       |          |
| iel                        | '03'O                                                                                      |          |
| mac_8n                     | '00000001'B                                                                                |          |
| mac_7n                     | '11111111'B                                                                                |          |
| mac_6n                     | '11111011'B                                                                                |          |
| mac_5n                     | OMIT                                                                                       |          |
| mac_4n                     | OMIT                                                                                       |          |
| mac_3n                     | OMIT                                                                                       |          |
| mac_2n                     | OMIT                                                                                       |          |
| mac_1n                     | OMIT                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                            |          |

| Structured Type Constraint |                                                                                                     |          |
|----------------------------|-----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_20_B1                                                                                      |          |
| <b>Structured Type:</b>    | MA                                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                                     |          |
| <b>Comments:</b>           | hopping with 1111 1111 1111 1111<br>ARFCN_list={14,18,22,24,30,31,38,40,60,66,73,74,75,76,108,114}. |          |
| Element Name               | Element Value                                                                                       | Comments |
| iei                        | OMIT                                                                                                |          |
| iel                        | '02'O                                                                                               |          |
| mac_8n                     | '11111111'B                                                                                         |          |
| mac_7n                     | '11111111'B                                                                                         |          |
| mac_6n                     | OMIT                                                                                                |          |
| mac_5n                     | OMIT                                                                                                |          |
| mac_4n                     | OMIT                                                                                                |          |
| mac_3n                     | OMIT                                                                                                |          |
| mac_2n                     | OMIT                                                                                                |          |
| mac_1n                     | OMIT                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                     |          |

| Structured Type Constraint |                                                                                                     |          |
|----------------------------|-----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_20_B1iei                                                                                   |          |
| <b>Structured Type:</b>    | MA                                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                                     |          |
| <b>Comments:</b>           | hopping with 1111 1111 1111 1111<br>ARFCN_list={14,18,22,24,30,31,38,40,60,66,73,74,75,76,108,114}. |          |
| Element Name               | Element Value                                                                                       | Comments |
| iei                        | '01110010'B                                                                                         |          |
| iel                        | '02'O                                                                                               |          |
| mac_8n                     | '11111111'B                                                                                         |          |
| mac_7n                     | '11111111'B                                                                                         |          |
| mac_6n                     | OMIT                                                                                                |          |
| mac_5n                     | OMIT                                                                                                |          |
| mac_4n                     | OMIT                                                                                                |          |
| mac_3n                     | OMIT                                                                                                |          |
| mac_2n                     | OMIT                                                                                                |          |
| mac_1n                     | OMIT                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                     |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_20_Be1(par_ma: BITSTRING) |          |
| <b>Structured Type:</b>    | MA                                 |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           | hopping with par_ma                |          |
| Element Name               | Element Value                      | Comments |
| iei                        | OMIT                               |          |
| iel                        | '01'O                              |          |
| mac_8n                     | par_ma                             |          |
| mac_7n                     | OMIT                               |          |
| mac_6n                     | OMIT                               |          |
| mac_5n                     | OMIT                               |          |
| mac_4n                     | OMIT                               |          |
| mac_3n                     | OMIT                               |          |
| mac_2n                     | OMIT                               |          |
| mac_1n                     | OMIT                               |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                                                         |          |
|----------------------------|---------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_20_Be2(par_ma1: BITSTRING; par_ma2: BITSTRING) |          |
| <b>Structured Type:</b>    | MA                                                      |          |
| <b>Derivation Path:</b>    |                                                         |          |
| <b>Comments:</b>           | hopping with par_ma1 and par_ma2                        |          |
| Element Name               | Element Value                                           | Comments |
| iei                        | OMIT                                                    |          |
| iel                        | '02'O                                                   |          |
| mac_8n                     | par_ma1                                                 |          |
| mac_7n                     | par_ma2                                                 |          |
| mac_6n                     | OMIT                                                    |          |
| mac_5n                     | OMIT                                                    |          |
| mac_4n                     | OMIT                                                    |          |
| mac_3n                     | OMIT                                                    |          |
| mac_2n                     | OMIT                                                    |          |
| mac_1n                     | OMIT                                                    |          |
| <b>Detailed Comments:</b>  |                                                         |          |

| Structured Type Constraint |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_20_Be2iei(par_ma1: BITSTRING; par_ma2: BITSTRING) |          |
| <b>Structured Type:</b>    | MA                                                         |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | hopping with par_ma1 and par_ma2                           |          |
| Element Name               | Element Value                                              | Comments |
| iei                        | '01110010'B                                                |          |
| iel                        | '02'O                                                      |          |
| mac_8n                     | par_ma1                                                    |          |
| mac_7n                     | par_ma2                                                    |          |
| mac_6n                     | OMIT                                                       |          |
| mac_5n                     | OMIT                                                       |          |
| mac_4n                     | OMIT                                                       |          |
| mac_3n                     | OMIT                                                       |          |
| mac_2n                     | OMIT                                                       |          |
| mac_1n                     | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| Structured Type Constraint |                                                                                                                                                                                              |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_20_A2                                                                                                                                                                               |          |
| <b>Structured Type:</b>    | MA                                                                                                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                              |          |
| <b>Comments:</b>           | hopping with 1000 0000 0000 0000<br>indicates from default Cell Allocation of HO cases with the<br>ARFCN_List={10,17,20,26,34,42,45,46,52,59,66,73,74,75,76,108,114} the<br>ARFCN_list={114} |          |
| Element Name               | Element Value                                                                                                                                                                                | Comments |
| iei                        | '01110010'B                                                                                                                                                                                  |          |
| iel                        | '03'O                                                                                                                                                                                        |          |
| mac_8n                     | '00000001'B                                                                                                                                                                                  |          |
| mac_7n                     | '00000000'B                                                                                                                                                                                  |          |
| mac_6n                     | '00000000'B                                                                                                                                                                                  |          |
| mac_5n                     | OMIT                                                                                                                                                                                         |          |
| mac_4n                     | OMIT                                                                                                                                                                                         |          |
| mac_3n                     | OMIT                                                                                                                                                                                         |          |
| mac_2n                     | OMIT                                                                                                                                                                                         |          |
| mac_1n                     | OMIT                                                                                                                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                              |          |

| Structured Type Constraint |                                                                                                                                                                                                                      |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_20_A3                                                                                                                                                                                                       |          |
| <b>Structured Type:</b>    | MA                                                                                                                                                                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                      |          |
| <b>Comments:</b>           | hopping with 0000 0001 1111 1110 1111 1011<br>indicates all of the frequencies in CA of cell A<br>ARFCN_list={10,17,20,26,34,42,45,46,52,59,66,73,74,75,76,108,114} with except for the BCCH<br>frequency 20 and 52. |          |
| Element Name               | Element Value                                                                                                                                                                                                        | Comments |
| iei                        | OMIT                                                                                                                                                                                                                 |          |
| iel                        | '03'O                                                                                                                                                                                                                |          |
| mac_8n                     | '00000001'B                                                                                                                                                                                                          |          |
| mac_7n                     | '11111110'B                                                                                                                                                                                                          |          |
| mac_6n                     | '11111011'B                                                                                                                                                                                                          |          |
| mac_5n                     | OMIT                                                                                                                                                                                                                 |          |
| mac_4n                     | OMIT                                                                                                                                                                                                                 |          |
| mac_3n                     | OMIT                                                                                                                                                                                                                 |          |
| mac_2n                     | OMIT                                                                                                                                                                                                                 |          |
| mac_1n                     | OMIT                                                                                                                                                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                      |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_omit |          |
| <b>Structured Type:</b>    | MA            |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | OMIT          |          |
| iel                        | OMIT          |          |
| mac_8n                     | OMIT          |          |
| mac_7n                     | OMIT          |          |
| mac_6n                     | OMIT          |          |
| mac_5n                     | OMIT          |          |
| mac_4n                     | OMIT          |          |
| mac_3n                     | OMIT          |          |
| mac_2n                     | OMIT          |          |
| mac_1n                     | OMIT          |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_r01  |          |
| <b>Structured Type:</b>    | MA            |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '01110010'B   |          |
| iel                        | '02'O         |          |
| mac_8n                     | '00000011'B   |          |
| mac_7n                     | '11111101'B   |          |
| mac_6n                     | OMIT          |          |
| mac_5n                     | OMIT          |          |
| mac_4n                     | OMIT          |          |
| mac_3n                     | OMIT          |          |
| mac_2n                     | OMIT          |          |
| mac_1n                     | OMIT          |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_r02  |          |
| <b>Structured Type:</b>    | MA            |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '01110010'B   |          |
| iel                        | '02'O         |          |
| mac_8n                     | '00000011'B   |          |
| mac_7n                     | '11100011'B   |          |
| mac_6n                     | OMIT          |          |
| mac_5n                     | OMIT          |          |
| mac_4n                     | OMIT          |          |
| mac_3n                     | OMIT          |          |
| mac_2n                     | OMIT          |          |
| mac_1n                     | OMIT          |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_r03  |          |
| <b>Structured Type:</b>    | MA            |          |
| <b>Derivation Path:</b>    | MoblAllc_r01. |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iel                        | '01'O         |          |
| mac_8n                     | '00000001'B   |          |
| mac_7n                     | OMIT          |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_r04  |          |
| <b>Structured Type:</b>    | MA            |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '01110010'B   |          |
| iel                        | '02'O         |          |
| mac_8n                     | '00000001'B   |          |
| mac_7n                     | '11000111'B   |          |
| mac_6n                     | OMIT          |          |
| mac_5n                     | OMIT          |          |
| mac_4n                     | OMIT          |          |
| mac_3n                     | OMIT          |          |
| mac_2n                     | OMIT          |          |
| mac_1n                     | OMIT          |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                                                       |          |
|----------------------------|-------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_r05                                          |          |
| <b>Structured Type:</b>    | MA                                                    |          |
| <b>Derivation Path:</b>    | MoblAllc_r01.                                         |          |
| <b>Comments:</b>           | used in TC_26_6_13_1 for immediate assignment command |          |
| Element Name               | Element Value                                         | Comments |
| iei                        | OMIT                                                  |          |
| iel                        | '01'O                                                 |          |
| mac_8n                     | TSPX_Ma1                                              |          |
| mac_7n                     | OMIT                                                  |          |
| <b>Detailed Comments:</b>  |                                                       |          |

| Structured Type Constraint |                                 |          |
|----------------------------|---------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_r06                    |          |
| <b>Structured Type:</b>    | MA                              |          |
| <b>Derivation Path:</b>    |                                 |          |
| <b>Comments:</b>           | used in TC_26_6_13_1 after time |          |
| Element Name               | Element Value                   | Comments |
| iei                        | '01110010'B                     |          |
| iel                        | '01'O                           |          |
| mac_8n                     | TSPX_Ma2                        |          |
| mac_7n                     | OMIT                            |          |
| mac_6n                     | OMIT                            |          |
| mac_5n                     | OMIT                            |          |
| mac_4n                     | OMIT                            |          |
| mac_3n                     | OMIT                            |          |
| mac_2n                     | OMIT                            |          |
| mac_1n                     | OMIT                            |          |
| <b>Detailed Comments:</b>  |                                 |          |

| Structured Type Constraint |                                  |          |
|----------------------------|----------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_r07                     |          |
| <b>Structured Type:</b>    | MA                               |          |
| <b>Derivation Path:</b>    |                                  |          |
| <b>Comments:</b>           | used in TC_26_6_13_1 before time |          |
| Element Name               | Element Value                    | Comments |
| iei                        | '01110010'B                      |          |
| iel                        | '01'O                            |          |
| mac_8n                     | TSPX_Ma3                         |          |
| mac_7n                     | OMIT                             |          |
| mac_6n                     | OMIT                             |          |
| mac_5n                     | OMIT                             |          |
| mac_4n                     | OMIT                             |          |
| mac_3n                     | OMIT                             |          |
| mac_2n                     | OMIT                             |          |
| mac_1n                     | OMIT                             |          |
| <b>Detailed Comments:</b>  |                                  |          |

| Structured Type Constraint |                                                       |          |
|----------------------------|-------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_r08                                          |          |
| <b>Structured Type:</b>    | MA                                                    |          |
| <b>Derivation Path:</b>    | MoblAllc_r01.MoblAllc_r05.                            |          |
| <b>Comments:</b>           | used in TC_26_6_13_2 for immediate assignment command |          |
| Element Name               | Element Value                                         | Comments |
| mac_8n                     | TSPX_Ma4                                              |          |
| <b>Detailed Comments:</b>  |                                                       |          |



| Structured Type Constraint |                                 |          |
|----------------------------|---------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_r09                    |          |
| <b>Structured Type:</b>    | MA                              |          |
| <b>Derivation Path:</b>    |                                 |          |
| <b>Comments:</b>           | used in TC_26_6_13_2 after time |          |
| Element Name               | Element Value                   | Comments |
| iei                        | '01110010'B                     |          |
| iel                        | '01'O                           |          |
| mac_8n                     | TSPX_Ma5                        |          |
| mac_7n                     | OMIT                            |          |
| mac_6n                     | OMIT                            |          |
| mac_5n                     | OMIT                            |          |
| mac_4n                     | OMIT                            |          |
| mac_3n                     | OMIT                            |          |
| mac_2n                     | OMIT                            |          |
| mac_1n                     | OMIT                            |          |
| <b>Detailed Comments:</b>  |                                 |          |

| Structured Type Constraint |                                               |          |
|----------------------------|-----------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_r10                                  |          |
| <b>Structured Type:</b>    | MA                                            |          |
| <b>Derivation Path:</b>    | MoblAllc_r01.MoblAllc_r05.                    |          |
| <b>Comments:</b>           | used in TC_26_6_13_3 for immediate assignment |          |
| Element Name               | Element Value                                 | Comments |
| mac_8n                     | TSPX_Ma6                                      |          |
| <b>Detailed Comments:</b>  |                                               |          |

| Structured Type Constraint |                                                 |          |
|----------------------------|-------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_r11                                    |          |
| <b>Structured Type:</b>    | MA                                              |          |
| <b>Derivation Path:</b>    | MoblAllc_r01.MoblAllc_r05.                      |          |
| <b>Comments:</b>           | used in TC_26_6_13_3 for frequency redefinition |          |
| Element Name               | Element Value                                   | Comments |
| mac_8n                     | TSPX_Ma7                                        |          |
| <b>Detailed Comments:</b>  |                                                 |          |

| Structured Type Constraint |                                                        |          |
|----------------------------|--------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_r12                                           |          |
| <b>Structured Type:</b>    | MA                                                     |          |
| <b>Derivation Path:</b>    |                                                        |          |
| <b>Comments:</b>           | used in TC_26_6_13_3 for assignment command after time |          |
| Element Name               | Element Value                                          | Comments |
| iei                        | '01110010'B                                            |          |
| iel                        | '01'O                                                  |          |
| mac_8n                     | TSPX_Ma8                                               |          |
| mac_7n                     | OMIT                                                   |          |
| mac_6n                     | OMIT                                                   |          |
| mac_5n                     | OMIT                                                   |          |
| mac_4n                     | OMIT                                                   |          |
| mac_3n                     | OMIT                                                   |          |
| mac_2n                     | OMIT                                                   |          |
| mac_1n                     | OMIT                                                   |          |
| <b>Detailed Comments:</b>  |                                                        |          |

| Structured Type Constraint |                                                         |          |
|----------------------------|---------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_r13                                            |          |
| <b>Structured Type:</b>    | MA                                                      |          |
| <b>Derivation Path:</b>    |                                                         |          |
| <b>Comments:</b>           | used in TC_26_6_13_3 for assignment command before time |          |
| Element Name               | Element Value                                           | Comments |
| iei                        | '01110010'B                                             |          |
| iel                        | '01'O                                                   |          |
| mac_8n                     | TSPX_Ma9                                                |          |
| mac_7n                     | OMIT                                                    |          |
| mac_6n                     | OMIT                                                    |          |
| mac_5n                     | OMIT                                                    |          |
| mac_4n                     | OMIT                                                    |          |
| mac_3n                     | OMIT                                                    |          |
| mac_2n                     | OMIT                                                    |          |
| mac_1n                     | OMIT                                                    |          |
| <b>Detailed Comments:</b>  |                                                         |          |

| Structured Type Constraint |                                               |          |
|----------------------------|-----------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_r14                                  |          |
| <b>Structured Type:</b>    | MA                                            |          |
| <b>Derivation Path:</b>    | MoblAllc_r01.MoblAllc_r05.                    |          |
| <b>Comments:</b>           | used in TC_26_6_13_4 for immediate assignment |          |
| Element Name               | Element Value                                 | Comments |
| mac_8n                     | TSPX_Ma10                                     |          |
| <b>Detailed Comments:</b>  |                                               |          |

| Structured Type Constraint |                                                 |          |
|----------------------------|-------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_r15                                    |          |
| <b>Structured Type:</b>    | MA                                              |          |
| <b>Derivation Path:</b>    | MoblAllc_r01.MoblAllc_r05.                      |          |
| <b>Comments:</b>           | used in TC_26_6_13_4 for frequency redefinition |          |
| Element Name               | Element Value                                   | Comments |
| mac_8n                     | TSPX_Ma11                                       |          |
| <b>Detailed Comments:</b>  |                                                 |          |

| Structured Type Constraint |                                                        |          |
|----------------------------|--------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_r16                                           |          |
| <b>Structured Type:</b>    | MA                                                     |          |
| <b>Derivation Path:</b>    |                                                        |          |
| <b>Comments:</b>           | used in TC_26_6_13_4 for assignment command after time |          |
| Element Name               | Element Value                                          | Comments |
| iei                        | '01110010'B                                            |          |
| iel                        | '01'O                                                  |          |
| mac_8n                     | TSPX_Ma12                                              |          |
| mac_7n                     | OMIT                                                   |          |
| mac_6n                     | OMIT                                                   |          |
| mac_5n                     | OMIT                                                   |          |
| mac_4n                     | OMIT                                                   |          |
| mac_3n                     | OMIT                                                   |          |
| mac_2n                     | OMIT                                                   |          |
| mac_1n                     | OMIT                                                   |          |
| <b>Detailed Comments:</b>  |                                                        |          |

| Structured Type Constraint |                                                         |          |
|----------------------------|---------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_r17                                            |          |
| <b>Structured Type:</b>    | MA                                                      |          |
| <b>Derivation Path:</b>    |                                                         |          |
| <b>Comments:</b>           | used in TC_26_6_13_4 for assignment command before time |          |
| Element Name               | Element Value                                           | Comments |
| iei                        | '01110010'B                                             |          |
| iel                        | '01'O                                                   |          |
| mac_8n                     | TSPX_Ma13                                               |          |
| mac_7n                     | OMIT                                                    |          |
| mac_6n                     | OMIT                                                    |          |
| mac_5n                     | OMIT                                                    |          |
| mac_4n                     | OMIT                                                    |          |
| mac_3n                     | OMIT                                                    |          |
| mac_2n                     | OMIT                                                    |          |
| mac_1n                     | OMIT                                                    |          |
| <b>Detailed Comments:</b>  |                                                         |          |

| Structured Type Constraint |                                               |          |
|----------------------------|-----------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_r18                                  |          |
| <b>Structured Type:</b>    | MA                                            |          |
| <b>Derivation Path:</b>    | MoblAllc_r01.MoblAllc_r05.                    |          |
| <b>Comments:</b>           | used in TC_26_6_13_5 for immediate assignment |          |
| Element Name               | Element Value                                 | Comments |
| mac_8n                     | TSPX_Ma14                                     |          |
| <b>Detailed Comments:</b>  |                                               |          |

| Structured Type Constraint |                                               |          |
|----------------------------|-----------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_r20                                  |          |
| <b>Structured Type:</b>    | MA                                            |          |
| <b>Derivation Path:</b>    | MoblAllc_r01.MoblAllc_r05.                    |          |
| <b>Comments:</b>           | used in TC_26_6_13_5 for handover before time |          |
| Element Name               | Element Value                                 | Comments |
| mac_8n                     | TSPX_Ma16                                     |          |
| <b>Detailed Comments:</b>  |                                               |          |

| Structured Type Constraint |                                               |          |
|----------------------------|-----------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_r21                                  |          |
| <b>Structured Type:</b>    | MA                                            |          |
| <b>Derivation Path:</b>    | MoblAllc_r01.MoblAllc_r05.                    |          |
| <b>Comments:</b>           | used in TC_26_6_13_6 for immediate assignment |          |
| Element Name               | Element Value                                 | Comments |
| mac_8n                     | TSPX_Ma17                                     |          |
| <b>Detailed Comments:</b>  |                                               |          |

| Structured Type Constraint |                                              |          |
|----------------------------|----------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_r22                                 |          |
| <b>Structured Type:</b>    | MA                                           |          |
| <b>Derivation Path:</b>    | MoblAllc_r01.MoblAllc_r05.                   |          |
| <b>Comments:</b>           | used in TC_26_6_13_6 for handover after time |          |
| Element Name               | Element Value                                | Comments |
| mac_8n                     | TSPX_Ma18                                    |          |
| <b>Detailed Comments:</b>  |                                              |          |

| Structured Type Constraint |                                               |                 |
|----------------------------|-----------------------------------------------|-----------------|
| <b>Constraint Name:</b>    | MoblAllc_r23                                  |                 |
| <b>Structured Type:</b>    | MA                                            |                 |
| <b>Derivation Path:</b>    | MoblAllc_r01.MoblAllc_r05.                    |                 |
| <b>Comments:</b>           | used in TC_26_6_13_6 for handover before time |                 |
| <b>Element Name</b>        | <b>Element Value</b>                          | <b>Comments</b> |
| mac_8n                     | TSPX_Ma19                                     |                 |
| <b>Detailed Comments:</b>  |                                               |                 |

| Structured Type Constraint |                                               |                 |
|----------------------------|-----------------------------------------------|-----------------|
| <b>Constraint Name:</b>    | MoblAllc_r24                                  |                 |
| <b>Structured Type:</b>    | MA                                            |                 |
| <b>Derivation Path:</b>    | MoblAllc_r01.MoblAllc_r05.                    |                 |
| <b>Comments:</b>           | used in TC_26_6_13_7 for immediate assignment |                 |
| <b>Element Name</b>        | <b>Element Value</b>                          | <b>Comments</b> |
| mac_8n                     | TSPX_Ma20                                     |                 |
| <b>Detailed Comments:</b>  |                                               |                 |

| Structured Type Constraint |                                                 |                 |
|----------------------------|-------------------------------------------------|-----------------|
| <b>Constraint Name:</b>    | MoblAllc_r25                                    |                 |
| <b>Structured Type:</b>    | MA                                              |                 |
| <b>Derivation Path:</b>    | MoblAllc_r01.MoblAllc_r05.                      |                 |
| <b>Comments:</b>           | used in TC_26_6_13_7 for frequency redefinition |                 |
| <b>Element Name</b>        | <b>Element Value</b>                            | <b>Comments</b> |
| mac_8n                     | TSPX_Ma21                                       |                 |
| <b>Detailed Comments:</b>  |                                                 |                 |

| Structured Type Constraint |                                                      |                 |
|----------------------------|------------------------------------------------------|-----------------|
| <b>Constraint Name:</b>    | MoblAllc_r26                                         |                 |
| <b>Structured Type:</b>    | MA                                                   |                 |
| <b>Derivation Path:</b>    | MoblAllc_r01.MoblAllc_r05.                           |                 |
| <b>Comments:</b>           | used in TC_26_6_13_7 for HANDOVER COMMAND after time |                 |
| <b>Element Name</b>        | <b>Element Value</b>                                 | <b>Comments</b> |
| mac_8n                     | TSPX_Ma22                                            |                 |
| <b>Detailed Comments:</b>  |                                                      |                 |

| Structured Type Constraint |                                                       |                 |
|----------------------------|-------------------------------------------------------|-----------------|
| <b>Constraint Name:</b>    | MoblAllc_r27                                          |                 |
| <b>Structured Type:</b>    | MA                                                    |                 |
| <b>Derivation Path:</b>    | MoblAllc_r01.MoblAllc_r05.                            |                 |
| <b>Comments:</b>           | used in TC_26_6_13_7 for HANDOVER COMMAND before time |                 |
| <b>Element Name</b>        | <b>Element Value</b>                                  | <b>Comments</b> |
| mac_8n                     | TSPX_Ma23                                             |                 |
| <b>Detailed Comments:</b>  |                                                       |                 |

| Structured Type Constraint |                                               |                 |
|----------------------------|-----------------------------------------------|-----------------|
| <b>Constraint Name:</b>    | MoblAllc_r28                                  |                 |
| <b>Structured Type:</b>    | MA                                            |                 |
| <b>Derivation Path:</b>    | MoblAllc_r01.MoblAllc_r05.                    |                 |
| <b>Comments:</b>           | used in TC_26_6_13_8 for immediate assignment |                 |
| <b>Element Name</b>        | <b>Element Value</b>                          | <b>Comments</b> |
| mac_8n                     | TSPX_Ma24                                     |                 |
| <b>Detailed Comments:</b>  |                                               |                 |

| Structured Type Constraint |                                                 |                 |
|----------------------------|-------------------------------------------------|-----------------|
| <b>Constraint Name:</b>    | MoblAllc_r29                                    |                 |
| <b>Structured Type:</b>    | MA                                              |                 |
| <b>Derivation Path:</b>    | MoblAllc_r01.MoblAllc_r05.                      |                 |
| <b>Comments:</b>           | used in TC_26_6_13_8 for frequency redefinition |                 |
| <b>Element Name</b>        | <b>Element Value</b>                            | <b>Comments</b> |
| mac_8n                     | TSPX_Ma25                                       |                 |
| <b>Detailed Comments:</b>  |                                                 |                 |

| Structured Type Constraint |                                                      |                 |
|----------------------------|------------------------------------------------------|-----------------|
| <b>Constraint Name:</b>    | MoblAllc_r30                                         |                 |
| <b>Structured Type:</b>    | MA                                                   |                 |
| <b>Derivation Path:</b>    | MoblAllc_r01.MoblAllc_r05.                           |                 |
| <b>Comments:</b>           | used in TC_26_6_13_8 for HANDOVER COMMAND after time |                 |
| <b>Element Name</b>        | <b>Element Value</b>                                 | <b>Comments</b> |
| mac_8n                     | TSPX_Ma26                                            |                 |
| <b>Detailed Comments:</b>  |                                                      |                 |

| Structured Type Constraint |                                                       |                 |
|----------------------------|-------------------------------------------------------|-----------------|
| <b>Constraint Name:</b>    | MoblAllc_r31                                          |                 |
| <b>Structured Type:</b>    | MA                                                    |                 |
| <b>Derivation Path:</b>    | MoblAllc_r01.MoblAllc_r05.                            |                 |
| <b>Comments:</b>           | used in TC_26_6_13_8 for HANDOVER COMMAND before time |                 |
| <b>Element Name</b>        | <b>Element Value</b>                                  | <b>Comments</b> |
| mac_8n                     | TSPX_Ma27                                             |                 |
| <b>Detailed Comments:</b>  |                                                       |                 |

| Structured Type Constraint |                                               |                 |
|----------------------------|-----------------------------------------------|-----------------|
| <b>Constraint Name:</b>    | MoblAllc_r32                                  |                 |
| <b>Structured Type:</b>    | MA                                            |                 |
| <b>Derivation Path:</b>    | MoblAllc_r01.MoblAllc_r05.                    |                 |
| <b>Comments:</b>           | used in TC_26_6_13_9 for immediate assignment |                 |
| <b>Element Name</b>        | <b>Element Value</b>                          | <b>Comments</b> |
| mac_8n                     | TSPX_Ma28                                     |                 |
| <b>Detailed Comments:</b>  |                                               |                 |

| Structured Type Constraint |                                                |          |
|----------------------------|------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MoblAllc_r33                                   |          |
| <b>Structured Type:</b>    | MA                                             |          |
| <b>Derivation Path:</b>    | MoblAllc_r01.MoblAllc_r05.                     |          |
| <b>Comments:</b>           | used in TC_26_6_13_10 for immediate assignment |          |
| Element Name               | Element Value                                  | Comments |
| mac_8n                     | TSPX_Ma30                                      |          |
| <b>Detailed Comments:</b>  |                                                |          |

| Structured Type Constraint |                                                             |          |
|----------------------------|-------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrResult_01                                                |          |
| <b>Structured Type:</b>    | MSRR                                                        |          |
| <b>Derivation Path:</b>    |                                                             |          |
| <b>Comments:</b>           | A measurement results IE containing no measurement results. |          |
| Element Name               | Element Value                                               | Comments |
| ba_used                    | '1'B                                                        |          |
| dtx_used                   | '0'B                                                        |          |
| rxlev_fsc                  | ?                                                           |          |
| spr1                       | '0'B                                                        |          |
| meas_valid                 | '0'B                                                        |          |
| rxlev_ssc                  | ?                                                           |          |
| spr2                       | '0'B                                                        |          |
| rxqual_fsc                 | ?                                                           |          |
| rxqual_ssc                 | ?                                                           |          |
| no_nc                      | '000'B                                                      |          |
| rxlev_nc1                  | '000000'B                                                   |          |
| bcchfrq_nc1                | '00000'B                                                    |          |
| bsic_nc1                   | '000000'B                                                   |          |
| rxlev_nc2                  | '000000'B                                                   |          |
| bcchfrq_nc2                | '00000'B                                                    |          |
| bsic_nc2                   | '000000'B                                                   |          |
| rxlev_nc3                  | '000000'B                                                   |          |
| bcchfrq_nc3                | '00000'B                                                    |          |
| bsic_nc3                   | '000000'B                                                   |          |
| rxlev_nc4                  | '000000'B                                                   |          |
| bcchfrq_nc4                | '00000'B                                                    |          |
| bsic_nc4                   | '000000'B                                                   |          |
| rxlev_nc5                  | '000000'B                                                   |          |
| bcchfrq_nc5                | '00000'B                                                    |          |
| bsic_nc5                   | '000000'B                                                   |          |
| rxlev_nc6                  | '000000'B                                                   |          |
| bcchfrq_nc6                | '00000'B                                                    |          |
| bsic_nc6                   | '000000'B                                                   |          |
| <b>Detailed Comments:</b>  |                                                             |          |

| Structured Type Constraint |                                              |          |
|----------------------------|----------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrResult_02                                 |          |
| <b>Structured Type:</b>    | MSRR                                         |          |
| <b>Derivation Path:</b>    |                                              |          |
| <b>Comments:</b>           | A measurement results IE matching any value. |          |
| Element Name               | Element Value                                | Comments |
| ba_used                    | ?                                            |          |
| dtx_used                   | '0'B                                         |          |
| rxlev_fsc                  | ?                                            |          |
| spr1                       | '0'B                                         |          |
| meas_valid                 | ?                                            |          |
| rxlev_ssc                  | ?                                            |          |
| spr2                       | '0'B                                         |          |
| rxqual_fsc                 | ?                                            |          |
| rxqual_ssc                 | ?                                            |          |
| no_nc                      | ?                                            |          |
| rxlev_nc1                  | *                                            |          |
| bcchfrq_nc1                | *                                            |          |
| bsic_nc1                   | *                                            |          |
| rxlev_nc2                  | *                                            |          |
| bcchfrq_nc2                | *                                            |          |
| bsic_nc2                   | *                                            |          |
| rxlev_nc3                  | *                                            |          |
| bcchfrq_nc3                | *                                            |          |
| bsic_nc3                   | *                                            |          |
| rxlev_nc4                  | *                                            |          |
| bcchfrq_nc4                | *                                            |          |
| bsic_nc4                   | *                                            |          |
| rxlev_nc5                  | *                                            |          |
| bcchfrq_nc5                | *                                            |          |
| bsic_nc5                   | *                                            |          |
| rxlev_nc6                  | *                                            |          |
| bcchfrq_nc6                | *                                            |          |
| bsic_nc6                   | *                                            |          |
| <b>Detailed Comments:</b>  |                                              |          |

| Structured Type Constraint |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrResult_03                                               |          |
| <b>Structured Type:</b>    | MSRR                                                       |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A measurement results IE containing 6 measurement results. |          |
| Element Name               | Element Value                                              | Comments |
| ba_used                    | '1'B                                                       |          |
| dtx_used                   | '0'B                                                       |          |
| rxlev_fsc                  | ?                                                          |          |
| spr1                       | '0'B                                                       |          |
| meas_valid                 | '0'B                                                       |          |
| rxlev_ssc                  | ?                                                          |          |
| spr2                       | '0'B                                                       |          |
| rxqual_fsc                 | ?                                                          |          |
| rxqual_ssc                 | ?                                                          |          |
| no_nc                      | '110'B                                                     |          |
| rxlev_nc1                  | ?                                                          |          |
| bcchfrq_nc1                | ?                                                          |          |
| bsic_nc1                   | ?                                                          |          |
| rxlev_nc2                  | ?                                                          |          |
| bcchfrq_nc2                | ?                                                          |          |
| bsic_nc2                   | ?                                                          |          |
| rxlev_nc3                  | ?                                                          |          |
| bcchfrq_nc3                | ?                                                          |          |
| bsic_nc3                   | ?                                                          |          |
| rxlev_nc4                  | ?                                                          |          |
| bcchfrq_nc4                | ?                                                          |          |
| bsic_nc4                   | ?                                                          |          |
| rxlev_nc5                  | ?                                                          |          |
| bcchfrq_nc5                | ?                                                          |          |
| bsic_nc5                   | ?                                                          |          |
| rxlev_nc6                  | ?                                                          |          |
| bcchfrq_nc6                | ?                                                          |          |
| bsic_nc6                   | ?                                                          |          |
| <b>Detailed Comments:</b>  |                                                            |          |



| Structured Type Constraint |                                                                     |          |
|----------------------------|---------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrResult_03e1                                                      |          |
| <b>Structured Type:</b>    | MSRR                                                                |          |
| <b>Derivation Path:</b>    |                                                                     |          |
| <b>Comments:</b>           | A measurement results IE containing 6 measurement results for EGSM. |          |
| Element Name               | Element Value                                                       | Comments |
| ba_used                    | '1'B                                                                |          |
| dtx_used                   | '0'B                                                                |          |
| rxlev_fsc                  | ?                                                                   |          |
| spr1                       | '0'B                                                                |          |
| meas_valid                 | '0'B                                                                |          |
| rxlev_ssc                  | ?                                                                   |          |
| spr2                       | '0'B                                                                |          |
| rxqual_fsc                 | ?                                                                   |          |
| rxqual_ssc                 | ?                                                                   |          |
| no_nc                      | '110'B                                                              |          |
| rxlev_nc1                  | ?                                                                   |          |
| bcchfrq_nc1                | '00001'B                                                            |          |
| bsic_nc1                   | '001011'B                                                           |          |
| rxlev_nc2                  | ?                                                                   |          |
| bcchfrq_nc2                | '00010'B                                                            |          |
| bsic_nc2                   | '001111'B                                                           |          |
| rxlev_nc3                  | ?                                                                   |          |
| bcchfrq_nc3                | '00100'B                                                            |          |
| bsic_nc3                   | '001101'B                                                           |          |
| rxlev_nc4                  | ?                                                                   |          |
| bcchfrq_nc4                | '00101'B                                                            |          |
| bsic_nc4                   | '001001'B                                                           |          |
| rxlev_nc5                  | ?                                                                   |          |
| bcchfrq_nc5                | '00110'B                                                            |          |
| bsic_nc5                   | '001111'B                                                           |          |
| rxlev_nc6                  | ?                                                                   |          |
| bcchfrq_nc6                | '00111'B                                                            |          |
| bsic_nc6                   | '001101'B                                                           |          |
| <b>Detailed Comments:</b>  |                                                                     |          |

| Structured Type Constraint |                                                                     |          |
|----------------------------|---------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrResult_03e2                                                      |          |
| <b>Structured Type:</b>    | MSRR                                                                |          |
| <b>Derivation Path:</b>    |                                                                     |          |
| <b>Comments:</b>           | A measurement results IE containing 6 measurement results for EGSM. |          |
| Element Name               | Element Value                                                       | Comments |
| ba_used                    | '1'B                                                                |          |
| dtx_used                   | '0'B                                                                |          |
| rxlev_fsc                  | ?                                                                   |          |
| spr1                       | '0'B                                                                |          |
| meas_valid                 | '0'B                                                                |          |
| rxlev_ssc                  | ?                                                                   |          |
| spr2                       | '0'B                                                                |          |
| rxqual_fsc                 | ?                                                                   |          |
| rxqual_ssc                 | ?                                                                   |          |
| no_nc                      | '110'B                                                              |          |
| rxlev_nc1                  | ?                                                                   |          |
| bcchfrq_nc1                | '00010'B                                                            |          |
| bsic_nc1                   | '001011'B                                                           |          |
| rxlev_nc2                  | ?                                                                   |          |
| bcchfrq_nc2                | '00011'B                                                            |          |
| bsic_nc2                   | '001111'B                                                           |          |
| rxlev_nc3                  | ?                                                                   |          |
| bcchfrq_nc3                | '00100'B                                                            |          |
| bsic_nc3                   | '001101'B                                                           |          |
| rxlev_nc4                  | ?                                                                   |          |
| bcchfrq_nc4                | '00101'B                                                            |          |
| bsic_nc4                   | '001001'B                                                           |          |
| rxlev_nc5                  | ?                                                                   |          |
| bcchfrq_nc5                | '00110'B                                                            |          |
| bsic_nc5                   | '001111'B                                                           |          |
| rxlev_nc6                  | ?                                                                   |          |
| bcchfrq_nc6                | '00001'B                                                            |          |
| bsic_nc6                   | '001100'B                                                           |          |
| <b>Detailed Comments:</b>  |                                                                     |          |

| Structured Type Constraint |                                                                     |          |
|----------------------------|---------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrResult_03e3                                                      |          |
| <b>Structured Type:</b>    | MSRR                                                                |          |
| <b>Derivation Path:</b>    |                                                                     |          |
| <b>Comments:</b>           | A measurement results IE containing 6 measurement results for EGSM. |          |
| Element Name               | Element Value                                                       | Comments |
| ba_used                    | '1'B                                                                |          |
| dtx_used                   | '0'B                                                                |          |
| rxlev_fsc                  | ?                                                                   |          |
| spr1                       | '0'B                                                                |          |
| meas_valid                 | '0'B                                                                |          |
| rxlev_ssc                  | ?                                                                   |          |
| spr2                       | '0'B                                                                |          |
| rxqual_fsc                 | ?                                                                   |          |
| rxqual_ssc                 | ?                                                                   |          |
| no_nc                      | '110'B                                                              |          |
| rxlev_nc1                  | ?                                                                   |          |
| bcchfrq_nc1                | '00010'B                                                            |          |
| bsic_nc1                   | '001011'B                                                           |          |
| rxlev_nc2                  | ?                                                                   |          |
| bcchfrq_nc2                | '00011'B                                                            |          |
| bsic_nc2                   | '001111'B                                                           |          |
| rxlev_nc3                  | ?                                                                   |          |
| bcchfrq_nc3                | '00110'B                                                            |          |
| bsic_nc3                   | '001001'B                                                           |          |
| rxlev_nc4                  | ?                                                                   |          |
| bcchfrq_nc4                | '01000'B                                                            |          |
| bsic_nc4                   | '001111'B                                                           |          |
| rxlev_nc5                  | ?                                                                   |          |
| bcchfrq_nc5                | '01000'B                                                            |          |
| bsic_nc5                   | '001101'B                                                           |          |
| rxlev_nc6                  | ?                                                                   |          |
| bcchfrq_nc6                | '00001'B                                                            |          |
| bsic_nc6                   | '001100'B                                                           |          |
| <b>Detailed Comments:</b>  |                                                                     |          |

| Structured Type Constraint |                                                                     |          |
|----------------------------|---------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrResult_03e4                                                      |          |
| <b>Structured Type:</b>    | MSRR                                                                |          |
| <b>Derivation Path:</b>    |                                                                     |          |
| <b>Comments:</b>           | A measurement results IE containing 6 measurement results for EGSM. |          |
| Element Name               | Element Value                                                       | Comments |
| ba_used                    | '1'B                                                                |          |
| dtx_used                   | '0'B                                                                |          |
| rxlev_fsc                  | ?                                                                   |          |
| spr1                       | '0'B                                                                |          |
| meas_valid                 | '0'B                                                                |          |
| rxlev_ssc                  | ?                                                                   |          |
| spr2                       | '0'B                                                                |          |
| rxqual_fsc                 | ?                                                                   |          |
| rxqual_ssc                 | ?                                                                   |          |
| no_nc                      | '110'B                                                              |          |
| rxlev_nc1                  | ?                                                                   |          |
| bcchfrq_nc1                | '00010'B                                                            |          |
| bsic_nc1                   | '001011'B                                                           |          |
| rxlev_nc2                  | ?                                                                   |          |
| bcchfrq_nc2                | '00011'B                                                            |          |
| bsic_nc2                   | '001111'B                                                           |          |
| rxlev_nc3                  | ?                                                                   |          |
| bcchfrq_nc3                | '00110'B                                                            |          |
| bsic_nc3                   | '001101'B                                                           |          |
| rxlev_nc4                  | ?                                                                   |          |
| bcchfrq_nc4                | '00111'B                                                            |          |
| bsic_nc4                   | '001001'B                                                           |          |
| rxlev_nc5                  | ?                                                                   |          |
| bcchfrq_nc5                | '01000'B                                                            |          |
| bsic_nc5                   | '001111'B                                                           |          |
| rxlev_nc6                  | ?                                                                   |          |
| bcchfrq_nc6                | '00001'B                                                            |          |
| bsic_nc6                   | '001100'B                                                           |          |
| <b>Detailed Comments:</b>  |                                                                     |          |

| Structured Type Constraint |                                                                     |          |
|----------------------------|---------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrResult_03e5                                                      |          |
| <b>Structured Type:</b>    | MSRR                                                                |          |
| <b>Derivation Path:</b>    |                                                                     |          |
| <b>Comments:</b>           | A measurement results IE containing 6 measurement results for EGSM. |          |
| Element Name               | Element Value                                                       | Comments |
| ba_used                    | '1'B                                                                |          |
| dtx_used                   | '0'B                                                                |          |
| rxlev_fsc                  | ?                                                                   |          |
| spr1                       | '0'B                                                                |          |
| meas_valid                 | '0'B                                                                |          |
| rxlev_ssc                  | ?                                                                   |          |
| spr2                       | '0'B                                                                |          |
| rxqual_fsc                 | ?                                                                   |          |
| rxqual_ssc                 | ?                                                                   |          |
| no_nc                      | '110'B                                                              |          |
| rxlev_nc1                  | ?                                                                   |          |
| bcchfrq_nc1                | '00010'B                                                            |          |
| bsic_nc1                   | '001011'B                                                           |          |
| rxlev_nc2                  | ?                                                                   |          |
| bcchfrq_nc2                | '00011'B                                                            |          |
| bsic_nc2                   | '001111'B                                                           |          |
| rxlev_nc3                  | ?                                                                   |          |
| bcchfrq_nc3                | '00101'B                                                            |          |
| bsic_nc3                   | '001101'B                                                           |          |
| rxlev_nc4                  | ?                                                                   |          |
| bcchfrq_nc4                | '00110'B                                                            |          |
| bsic_nc4                   | '001001'B                                                           |          |
| rxlev_nc5                  | ?                                                                   |          |
| bcchfrq_nc5                | '00111'B                                                            |          |
| bsic_nc5                   | '001111'B                                                           |          |
| rxlev_nc6                  | ?                                                                   |          |
| bcchfrq_nc6                | '00001'B                                                            |          |
| bsic_nc6                   | '001100'B                                                           |          |
| <b>Detailed Comments:</b>  |                                                                     |          |

| Structured Type Constraint |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrResult_04                                               |          |
| <b>Structured Type:</b>    | MSRR                                                       |          |
| <b>Derivation Path:</b>    | MsrResult_03.                                              |          |
| <b>Comments:</b>           | A measurement results IE containing 4 measurement results. |          |
| Element Name               | Element Value                                              | Comments |
| no_nc                      | '100'B                                                     |          |
| rxlev_nc5                  | '000000'B                                                  |          |
| bcchfrq_nc5                | '00000'B                                                   |          |
| bsic_nc5                   | '000000'B                                                  |          |
| rxlev_nc6                  | '000000'B                                                  |          |
| bcchfrq_nc6                | '00000'B                                                   |          |
| bsic_nc6                   | '000000'B                                                  |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| Structured Type Constraint |                                                                    |          |
|----------------------------|--------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrResult_04e                                                      |          |
| <b>Structured Type:</b>    | MSRR                                                               |          |
| <b>Derivation Path:</b>    | MsrResult_03.                                                      |          |
| <b>Comments:</b>           | A measurement results IE containing 3 measurement results for EGSM |          |
| Element Name               | Element Value                                                      | Comments |
| no_nc                      | '100'B                                                             |          |
| rxlev_nc1                  | ?                                                                  |          |
| bcchfrq_nc1                | '00001'B                                                           |          |
| bsic_nc1                   | '001011'B                                                          |          |
| rxlev_nc2                  | ?                                                                  |          |
| bcchfrq_nc2                | '00011'B                                                           |          |
| bsic_nc2                   | '001101'B                                                          |          |
| rxlev_nc3                  | ?                                                                  |          |
| bcchfrq_nc3                | '00110'B                                                           |          |
| bsic_nc3                   | '001001'B                                                          |          |
| <b>Detailed Comments:</b>  |                                                                    |          |

| Structured Type Constraint |                                                                             |          |
|----------------------------|-----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrResult_05                                                                |          |
| <b>Structured Type:</b>    | MSRR                                                                        |          |
| <b>Derivation Path:</b>    | MsrResult_03.                                                               |          |
| <b>Comments:</b>           | A measurement results IE containing 6 measurement results and DTX was used. |          |
| Element Name               | Element Value                                                               | Comments |
| dtx_used                   | '1'B                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                             |          |

| Structured Type Constraint |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrResult_06                                                                      |          |
| <b>Structured Type:</b>    | MSRR                                                                              |          |
| <b>Derivation Path:</b>    | MsrResult_03.                                                                     |          |
| <b>Comments:</b>           | A measurement results IE containing 6 measurement results and DTX is not checked. |          |
| Element Name               | Element Value                                                                     | Comments |
| dtx_used                   | ?                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| Structured Type Constraint |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrResult_07                                               |          |
| <b>Structured Type:</b>    | MSRR                                                       |          |
| <b>Derivation Path:</b>    | MsrResult_03.                                              |          |
| <b>Comments:</b>           | A measurement results IE containing 2 measurement results. |          |
| Element Name               | Element Value                                              | Comments |
| ba_used                    | '1'B                                                       |          |
| dtx_used                   | '0'B                                                       |          |
| rxlev_fsc                  | ?                                                          |          |
| spr1                       | '0'B                                                       |          |
| meas_valid                 | '0'B                                                       |          |
| rxlev_ssc                  | ?                                                          |          |
| spr2                       | '0'B                                                       |          |
| rxqual_fsc                 | ?                                                          |          |
| rxqual_ssc                 | ?                                                          |          |
| no_nc                      | '010'B                                                     |          |
| rxlev_nc1                  | ?                                                          |          |
| bcchfrq_nc1                | ?                                                          |          |
| bsic_nc1                   | ?                                                          |          |
| rxlev_nc2                  | ?                                                          |          |
| bcchfrq_nc2                | ?                                                          |          |
| bsic_nc2                   | ?                                                          |          |
| rxlev_nc3                  | '000000'B                                                  |          |
| bcchfrq_nc3                | '00000'B                                                   |          |
| bsic_nc3                   | '000000'B                                                  |          |
| rxlev_nc4                  | '000000'B                                                  |          |
| bcchfrq_nc4                | '00000'B                                                   |          |
| bsic_nc4                   | '000000'B                                                  |          |
| rxlev_nc5                  | '000000'B                                                  |          |
| bcchfrq_nc5                | '00000'B                                                   |          |
| bsic_nc5                   | '000000'B                                                  |          |
| rxlev_nc6                  | '000000'B                                                  |          |
| bcchfrq_nc6                | '00000'B                                                   |          |
| bsic_nc6                   | '000000'B                                                  |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                        |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Mtdif_01                                                                                                                                                                                                                                                                                               |          |
| <b>Structured Type:</b>    | MTDIF                                                                                                                                                                                                                                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                        |          |
| <b>Comments:</b>           |                                                                                                                                                                                                                                                                                                        |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                          | Comments |
| iei                        | '01110111'B                                                                                                                                                                                                                                                                                            |          |
| iel                        | '03'O                                                                                                                                                                                                                                                                                                  |          |
| value                      | (OC_IntToOct(((2*TSPX_k + TSPX_y)<br>MOD 2097152)-2), 3),<br>OC_IntToOct(((2*TSPX_k + TSPX_y)<br>MOD 2097152)-1), 3),<br>OC_IntToOct(((2*TSPX_k + TSPX_y)<br>MOD 2097152), 3),<br>OC_IntToOct(((2*TSPX_k + TSPX_y)<br>MOD 2097152)+1), 3),<br>OC_IntToOct(((2*TSPX_k + TSPX_y)<br>MOD 2097152)+2), 3)) |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                                                                        |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                   |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Mtdif_02                                                                                                                                                                                                                                                                                          |          |
| <b>Structured Type:</b>    | MTDIF                                                                                                                                                                                                                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                   |          |
| <b>Comments:</b>           |                                                                                                                                                                                                                                                                                                   |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                     | Comments |
| iei                        | '01110111'B                                                                                                                                                                                                                                                                                       |          |
| iel                        | '03'O                                                                                                                                                                                                                                                                                             |          |
| value                      | (OC_IntToOct(((2*TSPX_k2 + TSPX_y2) MOD 2097152)-2), 3),<br>OC_IntToOct(((2*TSPX_k2 + TSPX_y2) MOD 2097152)-1), 3),<br>OC_IntToOct(((2*TSPX_k2 + TSPX_y2) MOD 2097152), 3),<br>OC_IntToOct(((2*TSPX_k2 + TSPX_y2) MOD 2097152)+1), 3),<br>OC_IntToOct(((2*TSPX_k2 + TSPX_y2) MOD 2097152)+2), 3)) |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                                                                   |          |

| Structured Type Constraint |                                                                                                                                                                                                                                                                                                   |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Mtdif_03                                                                                                                                                                                                                                                                                          |          |
| <b>Structured Type:</b>    | MTDIF                                                                                                                                                                                                                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                   |          |
| <b>Comments:</b>           |                                                                                                                                                                                                                                                                                                   |          |
| Element Name               | Element Value                                                                                                                                                                                                                                                                                     | Comments |
| iei                        | '01110111'B                                                                                                                                                                                                                                                                                       |          |
| iel                        | '03'O                                                                                                                                                                                                                                                                                             |          |
| value                      | (OC_IntToOct(((2*TSPX_k3 + TSPX_y3) MOD 2097152)-2), 3),<br>OC_IntToOct(((2*TSPX_k3 + TSPX_y3) MOD 2097152)-1), 3),<br>OC_IntToOct(((2*TSPX_k3 + TSPX_y3) MOD 2097152), 3),<br>OC_IntToOct(((2*TSPX_k3 + TSPX_y3) MOD 2097152)+1), 3),<br>OC_IntToOct(((2*TSPX_k3 + TSPX_y3) MOD 2097152)+2), 3)) |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                                                                   |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | Pcmd_1        |          |
| <b>Structured Type:</b>    | PCMD          |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| sprb                       | '000'B        |          |
| pl                         | '00000'B      |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                               |          |
|----------------------------|-------------------------------|----------|
| <b>Constraint Name:</b>    | Pcmd_19(powerlevel:BITSTRING) |          |
| <b>Structured Type:</b>    | PCMD                          |          |
| <b>Derivation Path:</b>    |                               |          |
| <b>Comments:</b>           |                               |          |
| Element Name               | Element Value                 | Comments |
| sprb                       | '000'B                        |          |
| pl                         | powerlevel                    |          |
| <b>Detailed Comments:</b>  |                               |          |



| Structured Type Constraint |                                                             |          |
|----------------------------|-------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Pcmd_20(powerlevel:BITSTRING)                               |          |
| <b>Structured Type:</b>    | PCMD                                                        |          |
| <b>Derivation Path:</b>    |                                                             |          |
| <b>Comments:</b>           | HowerCmd used in synchronized and non synchronized HOCases. |          |
| Element Name               | Element Value                                               | Comments |
| sprb                       | '011'B                                                      |          |
| pl                         | powerlevel                                                  |          |
| <b>Detailed Comments:</b>  |                                                             |          |

| Structured Type Constraint |                                                    |          |
|----------------------------|----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PiSi_01                                            |          |
| <b>Structured Type:</b>    | PI_SI                                              |          |
| <b>Derivation Path:</b>    |                                                    |          |
| <b>Comments:</b>           | calling party BCD number with arbitrary spare bits |          |
| Element Name               | Element Value                                      | Comments |
| extb                       | '1'B                                               |          |
| pi                         | '00'B                                              |          |
| sp3b                       | '110'B                                             |          |
| si                         | '00'B                                              |          |
| <b>Detailed Comments:</b>  |                                                    |          |

| Structured Type Constraint |                    |          |
|----------------------------|--------------------|----------|
| <b>Constraint Name:</b>    | Pm_01              |          |
| <b>Structured Type:</b>    | PM                 |          |
| <b>Derivation Path:</b>    |                    |          |
| <b>Comments:</b>           | normal paging mode |          |
| Element Name               | Element Value      | Comments |
| sprb                       | '00'B              |          |
| pgm                        | '00'B              |          |
| <b>Detailed Comments:</b>  |                    |          |

| Structured Type Constraint |                                               |          |
|----------------------------|-----------------------------------------------|----------|
| <b>Constraint Name:</b>    | Pm_02                                         |          |
| <b>Structured Type:</b>    | PM                                            |          |
| <b>Derivation Path:</b>    | Pm_01.                                        |          |
| <b>Comments:</b>           | normal paging mode with arbitrary spare bits. |          |
| Element Name               | Element Value                                 | Comments |
| sprb                       | '11'B                                         |          |
| <b>Detailed Comments:</b>  |                                               |          |

| Structured Type Constraint |                      |          |
|----------------------------|----------------------|----------|
| <b>Constraint Name:</b>    | Pm_03                |          |
| <b>Structured Type:</b>    | PM                   |          |
| <b>Derivation Path:</b>    |                      |          |
| <b>Comments:</b>           | extended paging mode |          |
| Element Name               | Element Value        | Comments |
| sprb                       | '00'B                |          |
| pgm                        | '01'B                |          |
| <b>Detailed Comments:</b>  |                      |          |

| Structured Type Constraint |                            |          |
|----------------------------|----------------------------|----------|
| <b>Constraint Name:</b>    | Pm_04                      |          |
| <b>Structured Type:</b>    | PM                         |          |
| <b>Derivation Path:</b>    |                            |          |
| <b>Comments:</b>           | paging reorganisation mode |          |
| Element Name               | Element Value              | Comments |
| sprb                       | '00'B                      |          |
| pgm                        | '10'B                      |          |
| <b>Detailed Comments:</b>  |                            |          |

| Structured Type Constraint |                     |          |
|----------------------------|---------------------|----------|
| <b>Constraint Name:</b>    | Pm_05               |          |
| <b>Structured Type:</b>    | PM                  |          |
| <b>Derivation Path:</b>    |                     |          |
| <b>Comments:</b>           | same as before mode |          |
| Element Name               | Element Value       | Comments |
| sprb                       | '00'B               |          |
| pgm                        | '11'B               |          |
| <b>Detailed Comments:</b>  |                     |          |

| Structured Type Constraint |                                                                                       |          |
|----------------------------|---------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ProcessUSSData_02( Invkid :OCTETSTRING; prevbits: OCTETSTRING; follbits: OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                       |          |
| <b>Comments:</b>           | Return Result for Process Unstructured SS Data                                        |          |
| Element Name               | Element Value                                                                         | Comments |
| comp_part1                 | prevbits                                                                              |          |
| invokeld                   | Invkid                                                                                |          |
| comp_part2                 | follbits                                                                              |          |
| comp_part3                 | OMIT                                                                                  |          |
| comp_part4                 | OMIT                                                                                  |          |
| comp_part5                 | OMIT                                                                                  |          |
| comp_part6                 | OMIT                                                                                  |          |
| comp_part7                 | OMIT                                                                                  |          |
| comp_part8                 | OMIT                                                                                  |          |
| comp_part9                 | OMIT                                                                                  |          |
| comp_part10                | OMIT                                                                                  |          |
| comp_part11                | OMIT                                                                                  |          |
| comp_part12                | OMIT                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                       |          |

| Structured Type Constraint |                                                                                          |          |
|----------------------------|------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ProcessUSSRequest_02( Invkid :OCTETSTRING; prevbits: OCTETSTRING; follbits: OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                          |          |
| <b>Comments:</b>           | Reject or Return Error for Process Unstructured SS request                               |          |
| Element Name               | Element Value                                                                            | Comments |
| comp_part1                 | prevbits                                                                                 |          |
| invokeld                   | Invkid                                                                                   |          |
| comp_part2                 | follbits                                                                                 |          |
| comp_part3                 | OMIT                                                                                     |          |
| comp_part4                 | OMIT                                                                                     |          |
| comp_part5                 | OMIT                                                                                     |          |
| comp_part6                 | OMIT                                                                                     |          |
| comp_part7                 | OMIT                                                                                     |          |
| comp_part8                 | OMIT                                                                                     |          |
| comp_part9                 | OMIT                                                                                     |          |
| comp_part10                | OMIT                                                                                     |          |
| comp_part11                | OMIT                                                                                     |          |
| comp_part12                | OMIT                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                          |          |

| Structured Type Constraint |                                                    |          |
|----------------------------|----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ProgInd_01                                         |          |
| <b>Structured Type:</b>    | PI                                                 |          |
| <b>Derivation Path:</b>    |                                                    |          |
| <b>Comments:</b>           | Progress Indicator containing arbitrary spare bits |          |
| Element Name               | Element Value                                      | Comments |
| iei                        | '00011110'B                                        |          |
| iel                        | '02'O                                              |          |
| extb3                      | '1'B                                               |          |
| cs                         | '11'B                                              |          |
| spb                        | '1'B                                               |          |
| loc                        | '1000'B                                            |          |
| extb4                      | OMIT                                               |          |
| prd                        | OMIT                                               |          |
| <b>Detailed Comments:</b>  |                                                    |          |

| Structured Type Constraint |                                                      |          |
|----------------------------|------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ProgInd_02                                           |          |
| <b>Structured Type:</b>    | PI                                                   |          |
| <b>Derivation Path:</b>    |                                                      |          |
| <b>Comments:</b>           | Progress Indicator containing progress indicator #4. |          |
| Element Name               | Element Value                                        | Comments |
| iei                        | OMIT                                                 |          |
| iel                        | '02'O                                                |          |
| extb3                      | '1'B                                                 |          |
| cs                         | '11'B                                                |          |
| spb                        | '0'B                                                 |          |
| loc                        | '0001'B                                              |          |
| extb4                      | '1'B                                                 |          |
| prd                        | '0000100'B                                           |          |
| <b>Detailed Comments:</b>  |                                                      |          |

| Structured Type Constraint |                                                      |          |
|----------------------------|------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ProgInd_03                                           |          |
| <b>Structured Type:</b>    | PI                                                   |          |
| <b>Derivation Path:</b>    |                                                      |          |
| <b>Comments:</b>           | Progress Indicator containing progress indicator #8. |          |
| Element Name               | Element Value                                        | Comments |
| iei                        | OMIT                                                 |          |
| iel                        | '02'O                                                |          |
| extb3                      | '1'B                                                 |          |
| cs                         | '11'B                                                |          |
| spb                        | '0'B                                                 |          |
| loc                        | '0001'B                                              |          |
| extb4                      | '1'B                                                 |          |
| prd                        | '0001000'B                                           |          |
| <b>Detailed Comments:</b>  |                                                      |          |

| Structured Type Constraint |                                                      |          |
|----------------------------|------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ProgInd_04                                           |          |
| <b>Structured Type:</b>    | PI                                                   |          |
| <b>Derivation Path:</b>    |                                                      |          |
| <b>Comments:</b>           | Progress Indicator containing progress indicator #8. |          |
| Element Name               | Element Value                                        | Comments |
| iei                        | '00011110'B                                          |          |
| iel                        | '02'O                                                |          |
| extb3                      | '1'B                                                 |          |
| cs                         | '11'B                                                |          |
| spb                        | '0'B                                                 |          |
| loc                        | '0001'B                                              |          |
| extb4                      | '1'B                                                 |          |
| prd                        | '0001000'B                                           |          |
| <b>Detailed Comments:</b>  |                                                      |          |

| Structured Type Constraint |                                             |          |
|----------------------------|---------------------------------------------|----------|
| <b>Constraint Name:</b>    | RachCntrlPara(maxtx:B_2; txint:B_4; re:B_1) |          |
| <b>Structured Type:</b>    | RACHCP                                      |          |
| <b>Derivation Path:</b>    |                                             |          |
| <b>Comments:</b>           | Default value for L 3 testing.              |          |
| Element Name               | Element Value                               | Comments |
| maxrx                      | maxtx                                       |          |
| txint                      | txint                                       |          |
| cba                        | '0'B                                        |          |
| re                         | re                                          |          |
| acc_2                      | '00000'B                                    |          |
| ec                         | '0'B                                        |          |
| acc_1                      | '0000000000'B                               |          |
| <b>Detailed Comments:</b>  |                                             |          |

| Structured Type Constraint |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RachCntrlPara_noRe(maxtx:B_2; txint:B_4)         |          |
| <b>Structured Type:</b>    | RACHCP                                           |          |
| <b>Derivation Path:</b>    |                                                  |          |
| <b>Comments:</b>           | Call reestablishment is not allowed in the cell. |          |
| Element Name               | Element Value                                    | Comments |
| maxrtx                     | maxtx                                            |          |
| txint                      | txint                                            |          |
| cba                        | '0'B                                             |          |
| re                         | '1'B                                             |          |
| acc_2                      | '00000'B                                         |          |
| ec                         | '0'B                                             |          |
| acc_1                      | '0000000000'B                                    |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| Structured Type Constraint |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RachCntrlPara_Re(maxtx:B_2; txint:B_4)           |          |
| <b>Structured Type:</b>    | RACHCP                                           |          |
| <b>Derivation Path:</b>    |                                                  |          |
| <b>Comments:</b>           | Call reestablishment is not allowed in the cell. |          |
| Element Name               | Element Value                                    | Comments |
| maxrtx                     | maxtx                                            |          |
| txint                      | txint                                            |          |
| cba                        | '0'B                                             |          |
| re                         | '0'B                                             |          |
| acc_2                      | '00000'B                                         |          |
| ec                         | '0'B                                             |          |
| acc_1                      | '0000000000'B                                    |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| Structured Type Constraint |                                |          |
|----------------------------|--------------------------------|----------|
| <b>Constraint Name:</b>    | RachCntrlPara_01               |          |
| <b>Structured Type:</b>    | RACHCP                         |          |
| <b>Derivation Path:</b>    |                                |          |
| <b>Comments:</b>           | Default value for L 3 testing. |          |
| Element Name               | Element Value                  | Comments |
| maxrtx                     | '00'B                          |          |
| txint                      | '0010'B                        |          |
| cba                        | '0'B                           |          |
| re                         | '0'B                           |          |
| acc_2                      | '00000'B                       |          |
| ec                         | '0'B                           |          |
| acc_1                      | '0000000000'B                  |          |
| <b>Detailed Comments:</b>  |                                |          |

| Structured Type Constraint |                                                                                               |          |
|----------------------------|-----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RachCntrlPara_04                                                                              |          |
| <b>Structured Type:</b>    | RACHCP                                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                               |          |
| <b>Comments:</b>           | value for GSM cell 8 and DCS cell 7 in idle mode test group. (defined in 26.3.1 of GSM 11.10) |          |
| Element Name               | Element Value                                                                                 | Comments |
| maxrtx                     | '01'B                                                                                         |          |
| txint                      | '0111'B                                                                                       |          |
| cba                        | '0'B                                                                                          |          |
| re                         | '1'B                                                                                          |          |
| acc_2                      | '00000'B                                                                                      |          |
| ec                         | '0'B                                                                                          |          |
| acc_1                      | '0000000000'B                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                               |          |

| Structured Type Constraint |                                                                                                   |          |
|----------------------------|---------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RachCntrlPara_05                                                                                  |          |
| <b>Structured Type:</b>    | RACHCP                                                                                            |          |
| <b>Derivation Path:</b>    | RachCntrlPara_04.                                                                                 |          |
| <b>Comments:</b>           | value for GSM cell 1-7 and DCS cell 1-6 in idle mode test group. (defined in 26.3.1 of GSM 11.10) |          |
| Element Name               | Element Value                                                                                     | Comments |
| cba                        | '1'B                                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                                   |          |

| Structured Type Constraint |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RachCntrlPara_r01                                |          |
| <b>Structured Type:</b>    | RACHCP                                           |          |
| <b>Derivation Path:</b>    |                                                  |          |
| <b>Comments:</b>           | Call reestablishment is not allowed in the cell. |          |
| Element Name               | Element Value                                    | Comments |
| maxrtx                     | '00'B                                            |          |
| txint                      | '0010'B                                          |          |
| cba                        | '0'B                                             |          |
| re                         | '1'B                                             |          |
| acc_2                      | '00000'B                                         |          |
| ec                         | '0'B                                             |          |
| acc_1                      | '0000000000'B                                    |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| Structured Type Constraint |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterSSRslt_01(id:OCTETSTRING)                                 |          |
| <b>Structured Type:</b>    | Component_T                                                       |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           |                                                                   |          |
| Element Name               | Element Value                                                     | Comments |
| comp_part1                 | 'A21F0201'O                                                       |          |
| invokeld                   | id                                                                |          |
| comp_part2                 | '301B02010AA01604012A3011300F8301<br>10840107850491342143870105'O |          |
| comp_part3                 | OMIT                                                              |          |
| comp_part4                 | OMIT                                                              |          |
| comp_part5                 | OMIT                                                              |          |
| comp_part6                 | OMIT                                                              |          |
| comp_part7                 | OMIT                                                              |          |
| comp_part8                 | OMIT                                                              |          |
| comp_part9                 | OMIT                                                              |          |
| comp_part10                | OMIT                                                              |          |
| comp_part11                | OMIT                                                              |          |
| comp_part12                | OMIT                                                              |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| Structured Type Constraint |                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterSSRslt_02(id:OCTETSTRING)                                                  |          |
| <b>Structured Type:</b>    | Component_T                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                    |          |
| <b>Comments:</b>           |                                                                                    |          |
| Element Name               | Element Value                                                                      | Comments |
| comp_part1                 | 'A2800201'O                                                                        |          |
| invokeld                   | id                                                                                 |          |
| comp_part2                 | '308002010AA0800401213080308083016<br>08401078504913421430000000000000<br>000000'O |          |
| comp_part3                 | OMIT                                                                               |          |
| comp_part4                 | OMIT                                                                               |          |
| comp_part5                 | OMIT                                                                               |          |
| comp_part6                 | OMIT                                                                               |          |
| comp_part7                 | OMIT                                                                               |          |
| comp_part8                 | OMIT                                                                               |          |
| comp_part9                 | OMIT                                                                               |          |
| comp_part10                | OMIT                                                                               |          |
| comp_part11                | OMIT                                                                               |          |
| comp_part12                | OMIT                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                    |          |

| Structured Type Constraint |                                  |          |
|----------------------------|----------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterSSErr_01(id:OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                      |          |
| <b>Derivation Path:</b>    |                                  |          |
| <b>Comments:</b>           |                                  |          |
| Element Name               | Element Value                    | Comments |
| comp_part1                 | 'A3060201'O                      |          |
| invokeld                   | id                               |          |
| comp_part2                 | '02010A'O                        |          |
| comp_part3                 | OMIT                             |          |
| comp_part4                 | OMIT                             |          |
| comp_part5                 | OMIT                             |          |
| comp_part6                 | OMIT                             |          |
| comp_part7                 | OMIT                             |          |
| comp_part8                 | OMIT                             |          |
| comp_part9                 | OMIT                             |          |
| comp_part10                | OMIT                             |          |
| comp_part11                | OMIT                             |          |
| comp_part12                | OMIT                             |          |
| <b>Detailed Comments:</b>  |                                  |          |

| Structured Type Constraint |                                  |          |
|----------------------------|----------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterSSRej_01(id:OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                      |          |
| <b>Derivation Path:</b>    |                                  |          |
| <b>Comments:</b>           |                                  |          |
| Element Name               | Element Value                    | Comments |
| comp_part1                 | 'A4800201'O                      |          |
| invokeld                   | id                               |          |
| comp_part2                 | '8101030000'O                    |          |
| comp_part3                 | OMIT                             |          |
| comp_part4                 | OMIT                             |          |
| comp_part5                 | OMIT                             |          |
| comp_part6                 | OMIT                             |          |
| comp_part7                 | OMIT                             |          |
| comp_part8                 | OMIT                             |          |
| comp_part9                 | OMIT                             |          |
| comp_part10                | OMIT                             |          |
| comp_part11                | OMIT                             |          |
| comp_part12                | OMIT                             |          |
| <b>Detailed Comments:</b>  |                                  |          |



| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | RegPasswdSSRslt_01(id:OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                        |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| comp_part1                 | 'A2800201'O                        |          |
| invokeld                   | id                                 |          |
| comp_part2                 | '308002011112043938373600000000'O  |          |
| comp_part3                 | OMIT                               |          |
| comp_part4                 | OMIT                               |          |
| comp_part5                 | OMIT                               |          |
| comp_part6                 | OMIT                               |          |
| comp_part7                 | OMIT                               |          |
| comp_part8                 | OMIT                               |          |
| comp_part9                 | OMIT                               |          |
| comp_part10                | OMIT                               |          |
| comp_part11                | OMIT                               |          |
| comp_part12                | OMIT                               |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                                   |          |
|----------------------------|-----------------------------------|----------|
| <b>Constraint Name:</b>    | RegPasswdSSErr_01(id:OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                       |          |
| <b>Derivation Path:</b>    |                                   |          |
| <b>Comments:</b>           |                                   |          |
| Element Name               | Element Value                     | Comments |
| comp_part1                 | 'A3060201'O                       |          |
| invokeld                   | id                                |          |
| comp_part2                 | '020113'O                         |          |
| comp_part3                 | OMIT                              |          |
| comp_part4                 | OMIT                              |          |
| comp_part5                 | OMIT                              |          |
| comp_part6                 | OMIT                              |          |
| comp_part7                 | OMIT                              |          |
| comp_part8                 | OMIT                              |          |
| comp_part9                 | OMIT                              |          |
| comp_part10                | OMIT                              |          |
| comp_part11                | OMIT                              |          |
| comp_part12                | OMIT                              |          |
| <b>Detailed Comments:</b>  |                                   |          |

| Structured Type Constraint |                                   |          |
|----------------------------|-----------------------------------|----------|
| <b>Constraint Name:</b>    | RegPasswdSSErr_02(id:OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                       |          |
| <b>Derivation Path:</b>    |                                   |          |
| <b>Comments:</b>           |                                   |          |
| Element Name               | Element Value                     | Comments |
| comp_part1                 | 'A3800201'O                       |          |
| invokeld                   | id                                |          |
| comp_part2                 | '0201260000'O                     |          |
| comp_part3                 | OMIT                              |          |
| comp_part4                 | OMIT                              |          |
| comp_part5                 | OMIT                              |          |
| comp_part6                 | OMIT                              |          |
| comp_part7                 | OMIT                              |          |
| comp_part8                 | OMIT                              |          |
| comp_part9                 | OMIT                              |          |
| comp_part10                | OMIT                              |          |
| comp_part11                | OMIT                              |          |
| comp_part12                | OMIT                              |          |
| <b>Detailed Comments:</b>  |                                   |          |

| Structured Type Constraint |                                   |          |
|----------------------------|-----------------------------------|----------|
| <b>Constraint Name:</b>    | RegPasswdSSErr_03(id:OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                       |          |
| <b>Derivation Path:</b>    |                                   |          |
| <b>Comments:</b>           |                                   |          |
| Element Name               | Element Value                     | Comments |
| comp_part1                 | 'A3090201'O                       |          |
| invokeld                   | id                                |          |
| comp_part2                 | '0201250A0102'O                   |          |
| comp_part3                 | OMIT                              |          |
| comp_part4                 | OMIT                              |          |
| comp_part5                 | OMIT                              |          |
| comp_part6                 | OMIT                              |          |
| comp_part7                 | OMIT                              |          |
| comp_part8                 | OMIT                              |          |
| comp_part9                 | OMIT                              |          |
| comp_part10                | OMIT                              |          |
| comp_part11                | OMIT                              |          |
| comp_part12                | OMIT                              |          |
| <b>Detailed Comments:</b>  |                                   |          |

| Structured Type Constraint |                                                   |          |
|----------------------------|---------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SerialNumber_01                                   |          |
| <b>Structured Type:</b>    | SERIAL_NUMBER                                     |          |
| <b>Derivation Path:</b>    |                                                   |          |
| <b>Comments:</b>           | Serial number for first SMSCB,<br>GSM 3.41, 9.3.2 |          |
| Element Name               | Element Value                                     | Comments |
| gs                         | '00'B                                             |          |
| message_code               | '0000000000'B                                     |          |
| update_number              | '0000'B                                           |          |
| <b>Detailed Comments:</b>  |                                                   |          |

| Structured Type Constraint |                                                    |          |
|----------------------------|----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SerialNumber_02                                    |          |
| <b>Structured Type:</b>    | SERIAL_NUMBER                                      |          |
| <b>Derivation Path:</b>    |                                                    |          |
| <b>Comments:</b>           | Serial number for second SMSCB,<br>GSM 3.41, 9.3.2 |          |
| Element Name               | Element Value                                      | Comments |
| gs                         | '00'B                                              |          |
| message_code               | '0000000001'B                                      |          |
| update_number              | '0000'B                                            |          |
| <b>Detailed Comments:</b>  |                                                    |          |

| Structured Type Constraint |                                                                                                 |          |
|----------------------------|-------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SerialNumber_03                                                                                 |          |
| <b>Structured Type:</b>    | SERIAL_NUMBER                                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                                 |          |
| <b>Comments:</b>           | Serial number for third SMSCB, same message code as second SMSCB but updated<br>GSM 3.41, 9.3.2 |          |
| Element Name               | Element Value                                                                                   | Comments |
| gs                         | '00'B                                                                                           |          |
| message_code               | '0000000001'B                                                                                   |          |
| update_number              | '0001'B                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                                 |          |

| Structured Type Constraint |                                                                                                           |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | USSDRReq_01( Invkid :OCTETSTRING; prevbits: OCTETSTRING; follbits: OCTETSTRING;<br>ussdString: IA5String) |          |
| <b>Structured Type:</b>    | Component_T                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                           |          |
| <b>Comments:</b>           | ReturnResult for Process Unstructured SS request                                                          |          |
| Element Name               | Element Value                                                                                             | Comments |
| comp_part1                 | prevbits                                                                                                  |          |
| invokeld                   | Invkid                                                                                                    |          |
| comp_part2                 | follbits                                                                                                  |          |
| comp_part3                 | OC_CodingOfUssdString(ussdString)                                                                         |          |
| comp_part4                 | OMIT                                                                                                      |          |
| comp_part5                 | OMIT                                                                                                      |          |
| comp_part6                 | OMIT                                                                                                      |          |
| comp_part7                 | OMIT                                                                                                      |          |
| comp_part8                 | OMIT                                                                                                      |          |
| comp_part9                 | OMIT                                                                                                      |          |
| comp_part10                | OMIT                                                                                                      |          |
| comp_part11                | OMIT                                                                                                      |          |
| comp_part12                | OMIT                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                           |          |

| Structured Type Constraint |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | USSDReq_02( Invkid :OCTETSTRING; prevbits: OCTETSTRING; follbits: OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                |          |
| <b>Comments:</b>           | Invoke for Unstructured SS request with information to the user                |          |
| Element Name               | Element Value                                                                  | Comments |
| comp_part1                 | prevbits                                                                       |          |
| invokeld                   | Invkid                                                                         |          |
| comp_part2                 | follbits                                                                       |          |
| comp_part3                 | OMIT                                                                           |          |
| comp_part4                 | OMIT                                                                           |          |
| comp_part5                 | OMIT                                                                           |          |
| comp_part6                 | OMIT                                                                           |          |
| comp_part7                 | OMIT                                                                           |          |
| comp_part8                 | OMIT                                                                           |          |
| comp_part9                 | OMIT                                                                           |          |
| comp_part10                | OMIT                                                                           |          |
| comp_part11                | OMIT                                                                           |          |
| comp_part12                | OMIT                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| Structured Type Constraint |                                                        |          |
|----------------------------|--------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | USSDReq_03(Invkid :OCTETSTRING; ussdstring: IA5String) |          |
| <b>Structured Type:</b>    | Component_T                                            |          |
| <b>Derivation Path:</b>    |                                                        |          |
| <b>Comments:</b>           | Invoke for UnstructuredSS-Request                      |          |
| Element Name               | Element Value                                          | Comments |
| comp_part1                 | 'A11E0201'O                                            |          |
| invokeld                   | Invkid                                                 |          |
| comp_part2                 | '02013C0F'O                                            |          |
| comp_part3                 | OC_CodingOfUssdString(ussdstring)                      |          |
| comp_part4                 | OMIT                                                   |          |
| comp_part5                 | OMIT                                                   |          |
| comp_part6                 | OMIT                                                   |          |
| comp_part7                 | OMIT                                                   |          |
| comp_part8                 | OMIT                                                   |          |
| comp_part9                 | OMIT                                                   |          |
| comp_part10                | OMIT                                                   |          |
| comp_part11                | OMIT                                                   |          |
| comp_part12                | OMIT                                                   |          |
| <b>Detailed Comments:</b>  |                                                        |          |

| Structured Type Constraint |                                 |          |
|----------------------------|---------------------------------|----------|
| <b>Constraint Name:</b>    | USSDReq_06(Invkid :OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                     |          |
| <b>Derivation Path:</b>    |                                 |          |
| <b>Comments:</b>           | Unstructured SS - Request       |          |
| Element Name               | Element Value                   | Comments |
| comp_part1                 | 'A2030201'O                     |          |
| invokeld                   | Invkid                          |          |
| comp_part2                 | OMIT                            |          |
| comp_part3                 | OMIT                            |          |
| comp_part4                 | OMIT                            |          |
| comp_part5                 | OMIT                            |          |
| comp_part6                 | OMIT                            |          |
| comp_part7                 | OMIT                            |          |
| comp_part8                 | OMIT                            |          |
| comp_part9                 | OMIT                            |          |
| comp_part10                | OMIT                            |          |
| comp_part11                | OMIT                            |          |
| comp_part12                | OMIT                            |          |
| <b>Detailed Comments:</b>  |                                 |          |

| Structured Type Constraint |                                                             |          |
|----------------------------|-------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | EraseSSRslt_01(id:OCTETSTRING)                              |          |
| <b>Structured Type:</b>    | Component_T                                                 |          |
| <b>Derivation Path:</b>    |                                                             |          |
| <b>Comments:</b>           |                                                             |          |
| Element Name               | Element Value                                               | Comments |
| comp_part1                 | 'A21D0201'O                                                 |          |
| invokeld                   | id                                                          |          |
| comp_part2                 | '301802010BA0800401283080308083016<br>0840104000000000000'O |          |
| comp_part3                 | OMIT                                                        |          |
| comp_part4                 | OMIT                                                        |          |
| comp_part5                 | OMIT                                                        |          |
| comp_part6                 | OMIT                                                        |          |
| comp_part7                 | OMIT                                                        |          |
| comp_part8                 | OMIT                                                        |          |
| comp_part9                 | OMIT                                                        |          |
| comp_part10                | OMIT                                                        |          |
| comp_part11                | OMIT                                                        |          |
| comp_part12                | OMIT                                                        |          |
| <b>Detailed Comments:</b>  |                                                             |          |

| Structured Type Constraint |                                       |          |
|----------------------------|---------------------------------------|----------|
| <b>Constraint Name:</b>    | EraseSSRslt_02(id:OCTETSTRING)        |          |
| <b>Structured Type:</b>    | Component_T                           |          |
| <b>Derivation Path:</b>    |                                       |          |
| <b>Comments:</b>           |                                       |          |
| Element Name               | Element Value                         | Comments |
| comp_part1                 | 'A2140201'O                           |          |
| invokeld                   | id                                    |          |
| comp_part2                 | '300F02010BA00A04012B30053003840104'O |          |
| comp_part3                 | OMIT                                  |          |
| comp_part4                 | OMIT                                  |          |
| comp_part5                 | OMIT                                  |          |
| comp_part6                 | OMIT                                  |          |
| comp_part7                 | OMIT                                  |          |
| comp_part8                 | OMIT                                  |          |
| comp_part9                 | OMIT                                  |          |
| comp_part10                | OMIT                                  |          |
| comp_part11                | OMIT                                  |          |
| comp_part12                | OMIT                                  |          |
| <b>Detailed Comments:</b>  |                                       |          |

| Structured Type Constraint |                               |          |
|----------------------------|-------------------------------|----------|
| <b>Constraint Name:</b>    | EraseSSErr_01(id:OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                   |          |
| <b>Derivation Path:</b>    |                               |          |
| <b>Comments:</b>           |                               |          |
| Element Name               | Element Value                 | Comments |
| comp_part1                 | 'A3060201'O                   |          |
| invokeld                   | id                            |          |
| comp_part2                 | '02010B'O                     |          |
| comp_part3                 | OMIT                          |          |
| comp_part4                 | OMIT                          |          |
| comp_part5                 | OMIT                          |          |
| comp_part6                 | OMIT                          |          |
| comp_part7                 | OMIT                          |          |
| comp_part8                 | OMIT                          |          |
| comp_part9                 | OMIT                          |          |
| comp_part10                | OMIT                          |          |
| comp_part11                | OMIT                          |          |
| comp_part12                | OMIT                          |          |
| <b>Detailed Comments:</b>  |                               |          |

| Structured Type Constraint |                               |          |
|----------------------------|-------------------------------|----------|
| <b>Constraint Name:</b>    | EraseSSRej_01(id:OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                   |          |
| <b>Derivation Path:</b>    |                               |          |
| <b>Comments:</b>           |                               |          |
| Element Name               | Element Value                 | Comments |
| comp_part1                 | 'A4800201'O                   |          |
| invokeld                   | id                            |          |
| comp_part2                 | '8101030000'O                 |          |
| comp_part3                 | OMIT                          |          |
| comp_part4                 | OMIT                          |          |
| comp_part5                 | OMIT                          |          |
| comp_part6                 | OMIT                          |          |
| comp_part7                 | OMIT                          |          |
| comp_part8                 | OMIT                          |          |
| comp_part9                 | OMIT                          |          |
| comp_part10                | OMIT                          |          |
| comp_part11                | OMIT                          |          |
| comp_part12                | OMIT                          |          |
| <b>Detailed Comments:</b>  |                               |          |

| Structured Type Constraint |                                                     |          |
|----------------------------|-----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ActivateSSRsit_01(id:OCTETSTRING)                   |          |
| <b>Structured Type:</b>    | Component_T                                         |          |
| <b>Derivation Path:</b>    |                                                     |          |
| <b>Comments:</b>           | CF all synchronous services                         |          |
| Element Name               | Element Value                                       | Comments |
| comp_part1                 | 'A2800201'O                                         |          |
| invokeld                   | id                                                  |          |
| comp_part2                 | '301402010CA0800401203008300682016884010700000000'O |          |
| comp_part3                 | OMIT                                                |          |
| comp_part4                 | OMIT                                                |          |
| comp_part5                 | OMIT                                                |          |
| comp_part6                 | OMIT                                                |          |
| comp_part7                 | OMIT                                                |          |
| comp_part8                 | OMIT                                                |          |
| comp_part9                 | OMIT                                                |          |
| comp_part10                | OMIT                                                |          |
| comp_part11                | OMIT                                                |          |
| comp_part12                | OMIT                                                |          |
| <b>Detailed Comments:</b>  |                                                     |          |

| Structured Type Constraint |                                               |          |
|----------------------------|-----------------------------------------------|----------|
| <b>Constraint Name:</b>    | ActivateSSRslt_02(id:OCTETSTRING)             |          |
| <b>Structured Type:</b>    | Component_T                                   |          |
| <b>Derivation Path:</b>    |                                               |          |
| <b>Comments:</b>           | CFU all basic services                        |          |
| Element Name               | Element Value                                 | Comments |
| comp_part1                 | 'A2180201'O                                   |          |
| invokeld                   | id                                            |          |
| comp_part2                 | '308002010CA0800401213005300384010700000000'O |          |
| comp_part3                 | OMIT                                          |          |
| comp_part4                 | OMIT                                          |          |
| comp_part5                 | OMIT                                          |          |
| comp_part6                 | OMIT                                          |          |
| comp_part7                 | OMIT                                          |          |
| comp_part8                 | OMIT                                          |          |
| comp_part9                 | OMIT                                          |          |
| comp_part10                | OMIT                                          |          |
| comp_part11                | OMIT                                          |          |
| comp_part12                | OMIT                                          |          |
| <b>Detailed Comments:</b>  |                                               |          |

| Structured Type Constraint |                                                     |          |
|----------------------------|-----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ActivateSSRslt_03(id:OCTETSTRING)                   |          |
| <b>Structured Type:</b>    | Component_T                                         |          |
| <b>Derivation Path:</b>    |                                                     |          |
| <b>Comments:</b>           | BAOC all synchronous services                       |          |
| Element Name               | Element Value                                       | Comments |
| comp_part1                 | 'A21B0201'O                                         |          |
| invokeld                   | id                                                  |          |
| comp_part2                 | '308002010CA1800401923008300682016884010700000000'O |          |
| comp_part3                 | OMIT                                                |          |
| comp_part4                 | OMIT                                                |          |
| comp_part5                 | OMIT                                                |          |
| comp_part6                 | OMIT                                                |          |
| comp_part7                 | OMIT                                                |          |
| comp_part8                 | OMIT                                                |          |
| comp_part9                 | OMIT                                                |          |
| comp_part10                | OMIT                                                |          |
| comp_part11                | OMIT                                                |          |
| comp_part12                | OMIT                                                |          |
| <b>Detailed Comments:</b>  |                                                     |          |



| Structured Type Constraint |                                               |          |
|----------------------------|-----------------------------------------------|----------|
| <b>Constraint Name:</b>    | ActivateSSRslt_04(id:OCTETSTRING)             |          |
| <b>Structured Type:</b>    | Component_T                                   |          |
| <b>Derivation Path:</b>    |                                               |          |
| <b>Comments:</b>           | BICRoam for all basic service groups.         |          |
| Element Name               | Element Value                                 | Comments |
| comp_part1                 | 'A2180201'O                                   |          |
| invokeld                   | id                                            |          |
| comp_part2                 | '301302010CA10E04019B3080308084010700000000'O |          |
| comp_part3                 | OMIT                                          |          |
| comp_part4                 | OMIT                                          |          |
| comp_part5                 | OMIT                                          |          |
| comp_part6                 | OMIT                                          |          |
| comp_part7                 | OMIT                                          |          |
| comp_part8                 | OMIT                                          |          |
| comp_part9                 | OMIT                                          |          |
| comp_part10                | OMIT                                          |          |
| comp_part11                | OMIT                                          |          |
| comp_part12                | OMIT                                          |          |
| <b>Detailed Comments:</b>  |                                               |          |

| Structured Type Constraint |                                  |          |
|----------------------------|----------------------------------|----------|
| <b>Constraint Name:</b>    | ActivateSSErr_01(id:OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                      |          |
| <b>Derivation Path:</b>    |                                  |          |
| <b>Comments:</b>           | BOIC                             |          |
| Element Name               | Element Value                    | Comments |
| comp_part1                 | 'A3060201'O                      |          |
| invokeld                   | id                               |          |
| comp_part2                 | '020113'O                        |          |
| comp_part3                 | OMIT                             |          |
| comp_part4                 | OMIT                             |          |
| comp_part5                 | OMIT                             |          |
| comp_part6                 | OMIT                             |          |
| comp_part7                 | OMIT                             |          |
| comp_part8                 | OMIT                             |          |
| comp_part9                 | OMIT                             |          |
| comp_part10                | OMIT                             |          |
| comp_part11                | OMIT                             |          |
| comp_part12                | OMIT                             |          |
| <b>Detailed Comments:</b>  |                                  |          |

| Structured Type Constraint |                                  |          |
|----------------------------|----------------------------------|----------|
| <b>Constraint Name:</b>    | ActivateSSErr_02(id:OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                      |          |
| <b>Derivation Path:</b>    |                                  |          |
| <b>Comments:</b>           | BOIC                             |          |
| Element Name               | Element Value                    | Comments |
| comp_part1                 | 'A3800201'O                      |          |
| invokeld                   | id                               |          |
| comp_part2                 | '0201260000'O                    |          |
| comp_part3                 | OMIT                             |          |
| comp_part4                 | OMIT                             |          |
| comp_part5                 | OMIT                             |          |
| comp_part6                 | OMIT                             |          |
| comp_part7                 | OMIT                             |          |
| comp_part8                 | OMIT                             |          |
| comp_part9                 | OMIT                             |          |
| comp_part10                | OMIT                             |          |
| comp_part11                | OMIT                             |          |
| comp_part12                | OMIT                             |          |
| <b>Detailed Comments:</b>  |                                  |          |

| Structured Type Constraint |                                                         |          |
|----------------------------|---------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | DeactivateSSRslt_01(id:OCTETSTRING)                     |          |
| <b>Structured Type:</b>    | Component_T                                             |          |
| <b>Derivation Path:</b>    |                                                         |          |
| <b>Comments:</b>           | CFC speech                                              |          |
| Element Name               | Element Value                                           | Comments |
| comp_part1                 | 'A21B0201'O                                             |          |
| invokeld                   | id                                                      |          |
| comp_part2                 | '301602010DA0800401283080300683011<br>084010600000000'O |          |
| comp_part3                 | OMIT                                                    |          |
| comp_part4                 | OMIT                                                    |          |
| comp_part5                 | OMIT                                                    |          |
| comp_part6                 | OMIT                                                    |          |
| comp_part7                 | OMIT                                                    |          |
| comp_part8                 | OMIT                                                    |          |
| comp_part9                 | OMIT                                                    |          |
| comp_part10                | OMIT                                                    |          |
| comp_part11                | OMIT                                                    |          |
| comp_part12                | OMIT                                                    |          |
| <b>Detailed Comments:</b>  |                                                         |          |

| Structured Type Constraint |                                                 |          |
|----------------------------|-------------------------------------------------|----------|
| <b>Constraint Name:</b>    | DeactivateSSRslt_02(id:OCTETSTRING)             |          |
| <b>Structured Type:</b>    | Component_T                                     |          |
| <b>Derivation Path:</b>    |                                                 |          |
| <b>Comments:</b>           | CFNRc all facsimile                             |          |
| Element Name               | Element Value                                   | Comments |
| comp_part1                 | 'A2190201'O                                     |          |
| invokeld                   | id                                              |          |
| comp_part2                 | '301402010DA00F04012B300A30808301608401060000'O |          |
| comp_part3                 | OMIT                                            |          |
| comp_part4                 | OMIT                                            |          |
| comp_part5                 | OMIT                                            |          |
| comp_part6                 | OMIT                                            |          |
| comp_part7                 | OMIT                                            |          |
| comp_part8                 | OMIT                                            |          |
| comp_part9                 | OMIT                                            |          |
| comp_part10                | OMIT                                            |          |
| comp_part11                | OMIT                                            |          |
| comp_part12                | OMIT                                            |          |
| <b>Detailed Comments:</b>  |                                                 |          |

| Structured Type Constraint |                                     |          |
|----------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>    | DeactivateSSRslt_03(id:OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                         |          |
| <b>Derivation Path:</b>    |                                     |          |
| <b>Comments:</b>           | DeactivateSSRslt for Speech         |          |
| Element Name               | Element Value                       | Comments |
| comp_part1                 | 'A2800201'O                         |          |
| invokeld                   | id                                  |          |
| comp_part2                 | '300C02010DA107300530038301100000'O |          |
| comp_part3                 | OMIT                                |          |
| comp_part4                 | OMIT                                |          |
| comp_part5                 | OMIT                                |          |
| comp_part6                 | OMIT                                |          |
| comp_part7                 | OMIT                                |          |
| comp_part8                 | OMIT                                |          |
| comp_part9                 | OMIT                                |          |
| comp_part10                | OMIT                                |          |
| comp_part11                | OMIT                                |          |
| comp_part12                | OMIT                                |          |
| <b>Detailed Comments:</b>  |                                     |          |

| Structured Type Constraint |                                     |          |
|----------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>    | DeactivateSSRslt_04(id:OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                         |          |
| <b>Derivation Path:</b>    |                                     |          |
| <b>Comments:</b>           | DeactivateSSRslt for all facsimile  |          |
| Element Name               | Element Value                       | Comments |
| comp_part1                 | 'A2800201'O                         |          |
| invokeld                   | id                                  |          |
| comp_part2                 | '300C02010DA107300530038301600000'  |          |
|                            | O                                   |          |
| comp_part3                 | OMIT                                |          |
| comp_part4                 | OMIT                                |          |
| comp_part5                 | OMIT                                |          |
| comp_part6                 | OMIT                                |          |
| comp_part7                 | OMIT                                |          |
| comp_part8                 | OMIT                                |          |
| comp_part9                 | OMIT                                |          |
| comp_part10                | OMIT                                |          |
| comp_part11                | OMIT                                |          |
| comp_part12                | OMIT                                |          |
| <b>Detailed Comments:</b>  |                                     |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | DeactivateSSErr_01(id:OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                        |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| comp_part1                 | 'A3800201'O                        |          |
| invokeld                   | id                                 |          |
| comp_part2                 | '0201130000'O                      |          |
| comp_part3                 | OMIT                               |          |
| comp_part4                 | OMIT                               |          |
| comp_part5                 | OMIT                               |          |
| comp_part6                 | OMIT                               |          |
| comp_part7                 | OMIT                               |          |
| comp_part8                 | OMIT                               |          |
| comp_part9                 | OMIT                               |          |
| comp_part10                | OMIT                               |          |
| comp_part11                | OMIT                               |          |
| comp_part12                | OMIT                               |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | DeactivateSSErr_02(id:OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                        |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Element Name               | Element Value                      | Comments |
| comp_part1                 | 'A3060201'O                        |          |
| invokeld                   | id                                 |          |
| comp_part2                 | '020126'O                          |          |
| comp_part3                 | OMIT                               |          |
| comp_part4                 | OMIT                               |          |
| comp_part5                 | OMIT                               |          |
| comp_part6                 | OMIT                               |          |
| comp_part7                 | OMIT                               |          |
| comp_part8                 | OMIT                               |          |
| comp_part9                 | OMIT                               |          |
| comp_part10                | OMIT                               |          |
| comp_part11                | OMIT                               |          |
| comp_part12                | OMIT                               |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FwdChAdvSS_01                                                                               |          |
| <b>Structured Type:</b>    | Component_T                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                             |          |
| <b>Comments:</b>           | AoC- Charging                                                                               |          |
| Element Name               | Element Value                                                                               | Comments |
| comp_part1                 | 'A12B0201'O                                                                                 |          |
| invokeld                   | '00'O                                                                                       |          |
| comp_part2                 | '02017D3080800172A11C8102003C8202<br>008C83020064840200FA8502000086020<br>000870202580000'O |          |
| comp_part3                 | OMIT                                                                                        |          |
| comp_part4                 | OMIT                                                                                        |          |
| comp_part5                 | OMIT                                                                                        |          |
| comp_part6                 | OMIT                                                                                        |          |
| comp_part7                 | OMIT                                                                                        |          |
| comp_part8                 | OMIT                                                                                        |          |
| comp_part9                 | OMIT                                                                                        |          |
| comp_part10                | OMIT                                                                                        |          |
| comp_part11                | OMIT                                                                                        |          |
| comp_part12                | OMIT                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FwdChAdvSS_02                                                                               |          |
| <b>Structured Type:</b>    | Component_T                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                             |          |
| <b>Comments:</b>           | AoC- Charging                                                                               |          |
| Element Name               | Element Value                                                                               | Comments |
| comp_part1                 | 'A12B0201'O                                                                                 |          |
| invokeld                   | '00'O                                                                                       |          |
| comp_part2                 | '02017D3080800172A11C810200008202<br>000083020064840203E88502000086020<br>000870200000000'O |          |
| comp_part3                 | OMIT                                                                                        |          |
| comp_part4                 | OMIT                                                                                        |          |
| comp_part5                 | OMIT                                                                                        |          |
| comp_part6                 | OMIT                                                                                        |          |
| comp_part7                 | OMIT                                                                                        |          |
| comp_part8                 | OMIT                                                                                        |          |
| comp_part9                 | OMIT                                                                                        |          |
| comp_part10                | OMIT                                                                                        |          |
| comp_part11                | OMIT                                                                                        |          |
| comp_part12                | OMIT                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FwdChAdvSS_03                                                                               |          |
| <b>Structured Type:</b>    | Component_T                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                             |          |
| <b>Comments:</b>           | AoC- Charging                                                                               |          |
| Element Name               | Element Value                                                                               | Comments |
| comp_part1                 | 'A12B0201'O                                                                                 |          |
| invokeld                   | '00'O                                                                                       |          |
| comp_part2                 | '02017D3080800172A11C810209C48202<br>00A0830200C8840213888502000086020<br>000870202580000'O |          |
| comp_part3                 | OMIT                                                                                        |          |
| comp_part4                 | OMIT                                                                                        |          |
| comp_part5                 | OMIT                                                                                        |          |
| comp_part6                 | OMIT                                                                                        |          |
| comp_part7                 | OMIT                                                                                        |          |
| comp_part8                 | OMIT                                                                                        |          |
| comp_part9                 | OMIT                                                                                        |          |
| comp_part10                | OMIT                                                                                        |          |
| comp_part11                | OMIT                                                                                        |          |
| comp_part12                | OMIT                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FwdChAdvSS_04                                                                               |          |
| <b>Structured Type:</b>    | Component_T                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                             |          |
| <b>Comments:</b>           | AoC- Charging                                                                               |          |
| Element Name               | Element Value                                                                               | Comments |
| comp_part1                 | 'A12B0201'O                                                                                 |          |
| invokeld                   | '00'O                                                                                       |          |
| comp_part2                 | '02017D3080800172A11C8102000A8202<br>000A83020064840200008502006486020<br>00A8702000A0000'O |          |
| comp_part3                 | OMIT                                                                                        |          |
| comp_part4                 | OMIT                                                                                        |          |
| comp_part5                 | OMIT                                                                                        |          |
| comp_part6                 | OMIT                                                                                        |          |
| comp_part7                 | OMIT                                                                                        |          |
| comp_part8                 | OMIT                                                                                        |          |
| comp_part9                 | OMIT                                                                                        |          |
| comp_part10                | OMIT                                                                                        |          |
| comp_part11                | OMIT                                                                                        |          |
| comp_part12                | OMIT                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FwdChAdvSS_05                                                                               |          |
| <b>Structured Type:</b>    | Component_T                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                             |          |
| <b>Comments:</b>           | AoC- Charging                                                                               |          |
| Element Name               | Element Value                                                                               | Comments |
| comp_part1                 | 'A12B0201'O                                                                                 |          |
| invokeld                   | '00'O                                                                                       |          |
| comp_part2                 | '02017D3080800172A11C8102007D8202<br>012C83020064840200FA8502006486020<br>00A8702012C0000'O |          |
| comp_part3                 | OMIT                                                                                        |          |
| comp_part4                 | OMIT                                                                                        |          |
| comp_part5                 | OMIT                                                                                        |          |
| comp_part6                 | OMIT                                                                                        |          |
| comp_part7                 | OMIT                                                                                        |          |
| comp_part8                 | OMIT                                                                                        |          |
| comp_part9                 | OMIT                                                                                        |          |
| comp_part10                | OMIT                                                                                        |          |
| comp_part11                | OMIT                                                                                        |          |
| comp_part12                | OMIT                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FwdChAdvSS_06                                                                               |          |
| <b>Structured Type:</b>    | Component_T                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                             |          |
| <b>Comments:</b>           | AoC- Charging                                                                               |          |
| Element Name               | Element Value                                                                               | Comments |
| comp_part1                 | 'A12B0201'O                                                                                 |          |
| invokeld                   | '00'O                                                                                       |          |
| comp_part2                 | '02017D3080800172A11C810200008202<br>000083020000840200008502000086020<br>000870200000000'O |          |
| comp_part3                 | OMIT                                                                                        |          |
| comp_part4                 | OMIT                                                                                        |          |
| comp_part5                 | OMIT                                                                                        |          |
| comp_part6                 | OMIT                                                                                        |          |
| comp_part7                 | OMIT                                                                                        |          |
| comp_part8                 | OMIT                                                                                        |          |
| comp_part9                 | OMIT                                                                                        |          |
| comp_part10                | OMIT                                                                                        |          |
| comp_part11                | OMIT                                                                                        |          |
| comp_part12                | OMIT                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FwdChAdvSS_07                                                                               |          |
| <b>Structured Type:</b>    | Component_T                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                             |          |
| <b>Comments:</b>           | AoC- Charging                                                                               |          |
| Element Name               | Element Value                                                                               | Comments |
| comp_part1                 | 'A12B0201'O                                                                                 |          |
| invokeld                   | '00'O                                                                                       |          |
| comp_part2                 | '02017D3080800172A11C810200008202<br>000083020064840203E88502000086020<br>000870200000000'O |          |
| comp_part3                 | OMIT                                                                                        |          |
| comp_part4                 | OMIT                                                                                        |          |
| comp_part5                 | OMIT                                                                                        |          |
| comp_part6                 | OMIT                                                                                        |          |
| comp_part7                 | OMIT                                                                                        |          |
| comp_part8                 | OMIT                                                                                        |          |
| comp_part9                 | OMIT                                                                                        |          |
| comp_part10                | OMIT                                                                                        |          |
| comp_part11                | OMIT                                                                                        |          |
| comp_part12                | OMIT                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |



| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FwdChAdvSS_08                                                                               |          |
| <b>Structured Type:</b>    | Component_T                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                             |          |
| <b>Comments:</b>           | AoC- Charging                                                                               |          |
| Element Name               | Element Value                                                                               | Comments |
| comp_part1                 | 'A12B0201'O                                                                                 |          |
| invokeld                   | '00'O                                                                                       |          |
| comp_part2                 | '02017D3080800172A11C8102003C8202<br>008C83020064840200FA8502000086020<br>000870202580000'O |          |
| comp_part3                 | OMIT                                                                                        |          |
| comp_part4                 | OMIT                                                                                        |          |
| comp_part5                 | OMIT                                                                                        |          |
| comp_part6                 | OMIT                                                                                        |          |
| comp_part7                 | OMIT                                                                                        |          |
| comp_part8                 | OMIT                                                                                        |          |
| comp_part9                 | OMIT                                                                                        |          |
| comp_part10                | OMIT                                                                                        |          |
| comp_part11                | OMIT                                                                                        |          |
| comp_part12                | OMIT                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FwdChAdvSS_09                                                                               |          |
| <b>Structured Type:</b>    | Component_T                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                             |          |
| <b>Comments:</b>           | AoC- Charging                                                                               |          |
| Element Name               | Element Value                                                                               | Comments |
| comp_part1                 | 'A12B0201'O                                                                                 |          |
| invokeld                   | '00'O                                                                                       |          |
| comp_part2                 | '02017D3080800172A11C8102000A8202<br>000A83020064840200008502000086020<br>0008702000A0000'O |          |
| comp_part3                 | OMIT                                                                                        |          |
| comp_part4                 | OMIT                                                                                        |          |
| comp_part5                 | OMIT                                                                                        |          |
| comp_part6                 | OMIT                                                                                        |          |
| comp_part7                 | OMIT                                                                                        |          |
| comp_part8                 | OMIT                                                                                        |          |
| comp_part9                 | OMIT                                                                                        |          |
| comp_part10                | OMIT                                                                                        |          |
| comp_part11                | OMIT                                                                                        |          |
| comp_part12                | OMIT                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FwdChAdvSS_10                                                                               |          |
| <b>Structured Type:</b>    | Component_T                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                             |          |
| <b>Comments:</b>           | AoC- Charging                                                                               |          |
| Element Name               | Element Value                                                                               | Comments |
| comp_part1                 | 'A12B0201'O                                                                                 |          |
| invokeld                   | '00'O                                                                                       |          |
| comp_part2                 | '02017D3080800172A11C8102007D8202<br>012C83020064840200FA8502000086020<br>0008702012C0000'O |          |
| comp_part3                 | OMIT                                                                                        |          |
| comp_part4                 | OMIT                                                                                        |          |
| comp_part5                 | OMIT                                                                                        |          |
| comp_part6                 | OMIT                                                                                        |          |
| comp_part7                 | OMIT                                                                                        |          |
| comp_part8                 | OMIT                                                                                        |          |
| comp_part9                 | OMIT                                                                                        |          |
| comp_part10                | OMIT                                                                                        |          |
| comp_part11                | OMIT                                                                                        |          |
| comp_part12                | OMIT                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FwdChAdvSS_11                                                                               |          |
| <b>Structured Type:</b>    | Component_T                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                             |          |
| <b>Comments:</b>           | AoC- Charging                                                                               |          |
| Element Name               | Element Value                                                                               | Comments |
| comp_part1                 | 'A12B0201'O                                                                                 |          |
| invokeld                   | '00'O                                                                                       |          |
| comp_part2                 | '02017D3080800172A11C810200648202<br>011883020064840200648502000086020<br>000870202580000'O |          |
| comp_part3                 | OMIT                                                                                        |          |
| comp_part4                 | OMIT                                                                                        |          |
| comp_part5                 | OMIT                                                                                        |          |
| comp_part6                 | OMIT                                                                                        |          |
| comp_part7                 | OMIT                                                                                        |          |
| comp_part8                 | OMIT                                                                                        |          |
| comp_part9                 | OMIT                                                                                        |          |
| comp_part10                | OMIT                                                                                        |          |
| comp_part11                | OMIT                                                                                        |          |
| comp_part12                | OMIT                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FwdChAdvSS_12                                                                               |          |
| <b>Structured Type:</b>    | Component_T                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                             |          |
| <b>Comments:</b>           | AoC- Charging                                                                               |          |
| Element Name               | Element Value                                                                               | Comments |
| comp_part1                 | 'A12B0201'O                                                                                 |          |
| invokeld                   | '00'O                                                                                       |          |
| comp_part2                 | '02017D3080800172A11C810200648202<br>008C83020064840200328502000086020<br>000870202580000'O |          |
| comp_part3                 | OMIT                                                                                        |          |
| comp_part4                 | OMIT                                                                                        |          |
| comp_part5                 | OMIT                                                                                        |          |
| comp_part6                 | OMIT                                                                                        |          |
| comp_part7                 | OMIT                                                                                        |          |
| comp_part8                 | OMIT                                                                                        |          |
| comp_part9                 | OMIT                                                                                        |          |
| comp_part10                | OMIT                                                                                        |          |
| comp_part11                | OMIT                                                                                        |          |
| comp_part12                | OMIT                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FwdChAdvSS_13                                                                               |          |
| <b>Structured Type:</b>    | Component_T                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                             |          |
| <b>Comments:</b>           | AoC- Charging                                                                               |          |
| Element Name               | Element Value                                                                               | Comments |
| comp_part1                 | 'A12B0201'O                                                                                 |          |
| invokeld                   | '00'O                                                                                       |          |
| comp_part2                 | '02017D3080800172A11C810200648202<br>019083020064840200008502000086020<br>000870200000000'O |          |
| comp_part3                 | OMIT                                                                                        |          |
| comp_part4                 | OMIT                                                                                        |          |
| comp_part5                 | OMIT                                                                                        |          |
| comp_part6                 | OMIT                                                                                        |          |
| comp_part7                 | OMIT                                                                                        |          |
| comp_part8                 | OMIT                                                                                        |          |
| comp_part9                 | OMIT                                                                                        |          |
| comp_part10                | OMIT                                                                                        |          |
| comp_part11                | OMIT                                                                                        |          |
| comp_part12                | OMIT                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                         |          |
|----------------------------|---------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FwdChAdvSS_14                                           |          |
| <b>Structured Type:</b>    | Component_T                                             |          |
| <b>Derivation Path:</b>    |                                                         |          |
| <b>Comments:</b>           | AoC- Charging                                           |          |
| Element Name               | Element Value                                           | Comments |
| comp_part1                 | 'A11B0201'O                                             |          |
| invokeld                   | '00'O                                                   |          |
| comp_part2                 | '02017D3013800172A1808102006482020<br>190830200640000'O |          |
| comp_part3                 | OMIT                                                    |          |
| comp_part4                 | OMIT                                                    |          |
| comp_part5                 | OMIT                                                    |          |
| comp_part6                 | OMIT                                                    |          |
| comp_part7                 | OMIT                                                    |          |
| comp_part8                 | OMIT                                                    |          |
| comp_part9                 | OMIT                                                    |          |
| comp_part10                | OMIT                                                    |          |
| comp_part11                | OMIT                                                    |          |
| comp_part12                | OMIT                                                    |          |
| <b>Detailed Comments:</b>  |                                                         |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FwdChAdvSS_15                                                                               |          |
| <b>Structured Type:</b>    | Component_T                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                             |          |
| <b>Comments:</b>           | AoC- Charging                                                                               |          |
| Element Name               | Element Value                                                                               | Comments |
| comp_part1                 | 'A12B0201'O                                                                                 |          |
| invokeld                   | '00'O                                                                                       |          |
| comp_part2                 | '02017D3080800172A11C810200468202<br>019083020064840200008502000086020<br>000870200000000'O |          |
| comp_part3                 | OMIT                                                                                        |          |
| comp_part4                 | OMIT                                                                                        |          |
| comp_part5                 | OMIT                                                                                        |          |
| comp_part6                 | OMIT                                                                                        |          |
| comp_part7                 | OMIT                                                                                        |          |
| comp_part8                 | OMIT                                                                                        |          |
| comp_part9                 | OMIT                                                                                        |          |
| comp_part10                | OMIT                                                                                        |          |
| comp_part11                | OMIT                                                                                        |          |
| comp_part12                | OMIT                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FwdChAdvSS_16                                                                               |          |
| <b>Structured Type:</b>    | Component_T                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                             |          |
| <b>Comments:</b>           | AoC- Charging                                                                               |          |
| Element Name               | Element Value                                                                               | Comments |
| comp_part1                 | 'A12B0201'O                                                                                 |          |
| invokeld                   | '00'O                                                                                       |          |
| comp_part2                 | '02017D3080800172A11C810200828202<br>019083020064840200008502000086020<br>000870200000000'O |          |
| comp_part3                 | OMIT                                                                                        |          |
| comp_part4                 | OMIT                                                                                        |          |
| comp_part5                 | OMIT                                                                                        |          |
| comp_part6                 | OMIT                                                                                        |          |
| comp_part7                 | OMIT                                                                                        |          |
| comp_part8                 | OMIT                                                                                        |          |
| comp_part9                 | OMIT                                                                                        |          |
| comp_part10                | OMIT                                                                                        |          |
| comp_part11                | OMIT                                                                                        |          |
| comp_part12                | OMIT                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FwdChAdvSS_17                                                                               |          |
| <b>Structured Type:</b>    | Component_T                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                             |          |
| <b>Comments:</b>           | AoC- Charging                                                                               |          |
| Element Name               | Element Value                                                                               | Comments |
| comp_part1                 | 'A12B0201'O                                                                                 |          |
| invokeld                   | '00'O                                                                                       |          |
| comp_part2                 | '02017D3080800172A11C810200BE8202<br>019083020064840200008502000086020<br>000870200000000'O |          |
| comp_part3                 | OMIT                                                                                        |          |
| comp_part4                 | OMIT                                                                                        |          |
| comp_part5                 | OMIT                                                                                        |          |
| comp_part6                 | OMIT                                                                                        |          |
| comp_part7                 | OMIT                                                                                        |          |
| comp_part8                 | OMIT                                                                                        |          |
| comp_part9                 | OMIT                                                                                        |          |
| comp_part10                | OMIT                                                                                        |          |
| comp_part11                | OMIT                                                                                        |          |
| comp_part12                | OMIT                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FwdChAdvSS_18                                                                               |          |
| <b>Structured Type:</b>    | Component_T                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                             |          |
| <b>Comments:</b>           | AoC- Charging                                                                               |          |
| Element Name               | Element Value                                                                               | Comments |
| comp_part1                 | 'A12B0201'O                                                                                 |          |
| invokeld                   | '00'O                                                                                       |          |
| comp_part2                 | '02017D3080800172A11C810201228202<br>019083020064840200008502000086020<br>000870200000000'O |          |
| comp_part3                 | OMIT                                                                                        |          |
| comp_part4                 | OMIT                                                                                        |          |
| comp_part5                 | OMIT                                                                                        |          |
| comp_part6                 | OMIT                                                                                        |          |
| comp_part7                 | OMIT                                                                                        |          |
| comp_part8                 | OMIT                                                                                        |          |
| comp_part9                 | OMIT                                                                                        |          |
| comp_part10                | OMIT                                                                                        |          |
| comp_part11                | OMIT                                                                                        |          |
| comp_part12                | OMIT                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FwdChAdvSS_19                                                                               |          |
| <b>Structured Type:</b>    | Component_T                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                             |          |
| <b>Comments:</b>           | AoC- Charging                                                                               |          |
| Element Name               | Element Value                                                                               | Comments |
| comp_part1                 | 'A1800201'O                                                                                 |          |
| invokeld                   | '00'O                                                                                       |          |
| comp_part2                 | '02017D3021800172A11C810200648202<br>022683020064840200648502000086020<br>000870200640000'O |          |
| comp_part3                 | OMIT                                                                                        |          |
| comp_part4                 | OMIT                                                                                        |          |
| comp_part5                 | OMIT                                                                                        |          |
| comp_part6                 | OMIT                                                                                        |          |
| comp_part7                 | OMIT                                                                                        |          |
| comp_part8                 | OMIT                                                                                        |          |
| comp_part9                 | OMIT                                                                                        |          |
| comp_part10                | OMIT                                                                                        |          |
| comp_part11                | OMIT                                                                                        |          |
| comp_part12                | OMIT                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FwdChAdvSS_20                                                                               |          |
| <b>Structured Type:</b>    | Component_T                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                             |          |
| <b>Comments:</b>           | AoC- Charging                                                                               |          |
| Element Name               | Element Value                                                                               | Comments |
| comp_part1                 | 'A1800201'O                                                                                 |          |
| invokeld                   | '00'O                                                                                       |          |
| comp_part2                 | '02017D3021800172A11C8102000A8202<br>012C83020064840200008502000086020<br>000870200000000'O |          |
| comp_part3                 | OMIT                                                                                        |          |
| comp_part4                 | OMIT                                                                                        |          |
| comp_part5                 | OMIT                                                                                        |          |
| comp_part6                 | OMIT                                                                                        |          |
| comp_part7                 | OMIT                                                                                        |          |
| comp_part8                 | OMIT                                                                                        |          |
| comp_part9                 | OMIT                                                                                        |          |
| comp_part10                | OMIT                                                                                        |          |
| comp_part11                | OMIT                                                                                        |          |
| comp_part12                | OMIT                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | GetPasswdSS_01(linkid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                        |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           | getpassword                        |          |
| Element Name               | Element Value                      | Comments |
| comp_part1                 | 'A10C0201'O                        |          |
| invokeld                   | '00'O                              |          |
| comp_part2                 | '8001'O                            |          |
| comp_part3                 | linkid                             |          |
| comp_part4                 | '0201120A0100'O                    |          |
| comp_part5                 | OMIT                               |          |
| comp_part6                 | OMIT                               |          |
| comp_part7                 | OMIT                               |          |
| comp_part8                 | OMIT                               |          |
| comp_part9                 | OMIT                               |          |
| comp_part10                | OMIT                               |          |
| comp_part11                | OMIT                               |          |
| comp_part12                | OMIT                               |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | GetPasswdSS_02(linkid:OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                        |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           | getpassword (enter new password)   |          |
| Element Name               | Element Value                      | Comments |
| comp_part1                 | 'A10C0201'O                        |          |
| invokeld                   | '00'O                              |          |
| comp_part2                 | '8001'O                            |          |
| comp_part3                 | linkid                             |          |
| comp_part4                 | '0201120A0101'O                    |          |
| comp_part5                 | OMIT                               |          |
| comp_part6                 | OMIT                               |          |
| comp_part7                 | OMIT                               |          |
| comp_part8                 | OMIT                               |          |
| comp_part9                 | OMIT                               |          |
| comp_part10                | OMIT                               |          |
| comp_part11                | OMIT                               |          |
| comp_part12                | OMIT                               |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                                        |          |
|----------------------------|----------------------------------------|----------|
| <b>Constraint Name:</b>    | GetPasswdSS_03(linkid:OCTETSTRING)     |          |
| <b>Structured Type:</b>    | Component_T                            |          |
| <b>Derivation Path:</b>    |                                        |          |
| <b>Comments:</b>           | getpassword (enter new password again) |          |
| Element Name               | Element Value                          | Comments |
| comp_part1                 | 'A10C0201'O                            |          |
| invokeld                   | '00'O                                  |          |
| comp_part2                 | '8001'O                                |          |
| comp_part3                 | linkid                                 |          |
| comp_part4                 | '0201120A0102'O                        |          |
| comp_part5                 | OMIT                                   |          |
| comp_part6                 | OMIT                                   |          |
| comp_part7                 | OMIT                                   |          |
| comp_part8                 | OMIT                                   |          |
| comp_part9                 | OMIT                                   |          |
| comp_part10                | OMIT                                   |          |
| comp_part11                | OMIT                                   |          |
| comp_part12                | OMIT                                   |          |
| <b>Detailed Comments:</b>  |                                        |          |



| Structured Type Constraint |                                      |          |
|----------------------------|--------------------------------------|----------|
| <b>Constraint Name:</b>    | InterrogateSSRslt_01(id:OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                          |          |
| <b>Derivation Path:</b>    |                                      |          |
| <b>Comments:</b>           | CFB all basic services               |          |
| Element Name               | Element Value                        | Comments |
| comp_part1                 | 'A20D0201'O                          |          |
| invokeld                   | id                                   |          |
| comp_part2                 | '308002010E8001040000'O              |          |
| comp_part3                 | OMIT                                 |          |
| comp_part4                 | OMIT                                 |          |
| comp_part5                 | OMIT                                 |          |
| comp_part6                 | OMIT                                 |          |
| comp_part7                 | OMIT                                 |          |
| comp_part8                 | OMIT                                 |          |
| comp_part9                 | OMIT                                 |          |
| comp_part10                | OMIT                                 |          |
| comp_part11                | OMIT                                 |          |
| comp_part12                | OMIT                                 |          |
| <b>Detailed Comments:</b>  |                                      |          |

| Structured Type Constraint |                                                   |          |
|----------------------------|---------------------------------------------------|----------|
| <b>Constraint Name:</b>    | InterrogateSSRslt_02(id:OCTETSTRING)              |          |
| <b>Structured Type:</b>    | Component_T                                       |          |
| <b>Derivation Path:</b>    |                                                   |          |
| <b>Comments:</b>           | CFNRy Speech                                      |          |
| Element Name               | Element Value                                     | Comments |
| comp_part1                 | 'A2180201'O                                       |          |
| invokeld                   | id                                                |          |
| comp_part2                 | '301302010EA30E300C83011184010785<br>0491342143'O |          |
| comp_part3                 | OMIT                                              |          |
| comp_part4                 | OMIT                                              |          |
| comp_part5                 | OMIT                                              |          |
| comp_part6                 | OMIT                                              |          |
| comp_part7                 | OMIT                                              |          |
| comp_part8                 | OMIT                                              |          |
| comp_part9                 | OMIT                                              |          |
| comp_part10                | OMIT                                              |          |
| comp_part11                | OMIT                                              |          |
| comp_part12                | OMIT                                              |          |
| <b>Detailed Comments:</b>  |                                                   |          |

| Structured Type Constraint |                                      |          |
|----------------------------|--------------------------------------|----------|
| <b>Constraint Name:</b>    | InterrogateSSRslt_03(id:OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                          |          |
| <b>Derivation Path:</b>    |                                      |          |
| <b>Comments:</b>           | BAIC                                 |          |
| Element Name               | Element Value                        | Comments |
| comp_part1                 | 'A20D0201'O                          |          |
| invokeld                   | id                                   |          |
| comp_part2                 | '300802010EA20383011'O               |          |
| comp_part3                 | OMIT                                 |          |
| comp_part4                 | OMIT                                 |          |
| comp_part5                 | OMIT                                 |          |
| comp_part6                 | OMIT                                 |          |
| comp_part7                 | OMIT                                 |          |
| comp_part8                 | OMIT                                 |          |
| comp_part9                 | OMIT                                 |          |
| comp_part10                | OMIT                                 |          |
| comp_part11                | OMIT                                 |          |
| comp_part12                | OMIT                                 |          |
| <b>Detailed Comments:</b>  |                                      |          |

| Structured Type Constraint |                                      |          |
|----------------------------|--------------------------------------|----------|
| <b>Constraint Name:</b>    | InterrogateSSRslt_04(id:OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                          |          |
| <b>Derivation Path:</b>    |                                      |          |
| <b>Comments:</b>           | BAIC                                 |          |
| Element Name               | Element Value                        | Comments |
| comp_part1                 | 'A20B0201'O                          |          |
| invokeld                   | id                                   |          |
| comp_part2                 | '300602010E800107'O                  |          |
| comp_part3                 | OMIT                                 |          |
| comp_part4                 | OMIT                                 |          |
| comp_part5                 | OMIT                                 |          |
| comp_part6                 | OMIT                                 |          |
| comp_part7                 | OMIT                                 |          |
| comp_part8                 | OMIT                                 |          |
| comp_part9                 | OMIT                                 |          |
| comp_part10                | OMIT                                 |          |
| comp_part11                | OMIT                                 |          |
| comp_part12                | OMIT                                 |          |
| <b>Detailed Comments:</b>  |                                      |          |

| Structured Type Constraint |                                     |          |
|----------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>    | InterrogateSSErr_01(id:OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                         |          |
| <b>Derivation Path:</b>    |                                     |          |
| <b>Comments:</b>           | CFNRc                               |          |
| Element Name               | Element Value                       | Comments |
| comp_part1                 | 'A3060201'O                         |          |
| invokeld                   | id                                  |          |
| comp_part2                 | '020112'O                           |          |
| comp_part3                 | OMIT                                |          |
| comp_part4                 | OMIT                                |          |
| comp_part5                 | OMIT                                |          |
| comp_part6                 | OMIT                                |          |
| comp_part7                 | OMIT                                |          |
| comp_part8                 | OMIT                                |          |
| comp_part9                 | OMIT                                |          |
| comp_part10                | OMIT                                |          |
| comp_part11                | OMIT                                |          |
| comp_part12                | OMIT                                |          |
| <b>Detailed Comments:</b>  |                                     |          |

| Structured Type Constraint |                                     |          |
|----------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>    | InterrogateSSErr_02(id:OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                         |          |
| <b>Derivation Path:</b>    |                                     |          |
| <b>Comments:</b>           |                                     |          |
| Element Name               | Element Value                       | Comments |
| comp_part1                 | 'A3800201'O                         |          |
| invokeld                   | id                                  |          |
| comp_part2                 | '0201120000'O                       |          |
| comp_part3                 | OMIT                                |          |
| comp_part4                 | OMIT                                |          |
| comp_part5                 | OMIT                                |          |
| comp_part6                 | OMIT                                |          |
| comp_part7                 | OMIT                                |          |
| comp_part8                 | OMIT                                |          |
| comp_part9                 | OMIT                                |          |
| comp_part10                | OMIT                                |          |
| comp_part11                | OMIT                                |          |
| comp_part12                | OMIT                                |          |
| <b>Detailed Comments:</b>  |                                     |          |

| Structured Type Constraint |                                     |          |
|----------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>    | InterrogateSSRej_01(id:OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                         |          |
| <b>Derivation Path:</b>    |                                     |          |
| <b>Comments:</b>           |                                     |          |
| Element Name               | Element Value                       | Comments |
| comp_part1                 | 'A4800201'O                         |          |
| invokeld                   | id                                  |          |
| comp_part2                 | '8101030000'O                       |          |
| comp_part3                 | OMIT                                |          |
| comp_part4                 | OMIT                                |          |
| comp_part5                 | OMIT                                |          |
| comp_part6                 | OMIT                                |          |
| comp_part7                 | OMIT                                |          |
| comp_part8                 | OMIT                                |          |
| comp_part9                 | OMIT                                |          |
| comp_part10                | OMIT                                |          |
| comp_part11                | OMIT                                |          |
| comp_part12                | OMIT                                |          |
| <b>Detailed Comments:</b>  |                                     |          |

| Structured Type Constraint |                                     |          |
|----------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>    | InterrogateSSRej_02(id:OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                         |          |
| <b>Derivation Path:</b>    |                                     |          |
| <b>Comments:</b>           |                                     |          |
| Element Name               | Element Value                       | Comments |
| comp_part1                 | 'A4060201'O                         |          |
| invokeld                   | id                                  |          |
| comp_part2                 | '810103'O                           |          |
| comp_part3                 | OMIT                                |          |
| comp_part4                 | OMIT                                |          |
| comp_part5                 | OMIT                                |          |
| comp_part6                 | OMIT                                |          |
| comp_part7                 | OMIT                                |          |
| comp_part8                 | OMIT                                |          |
| comp_part9                 | OMIT                                |          |
| comp_part10                | OMIT                                |          |
| comp_part11                | OMIT                                |          |
| comp_part12                | OMIT                                |          |
| <b>Detailed Comments:</b>  |                                     |          |

| Structured Type Constraint |                               |          |
|----------------------------|-------------------------------|----------|
| <b>Constraint Name:</b>    | NotificationSS_01             |          |
| <b>Structured Type:</b>    | Component_T                   |          |
| <b>Derivation Path:</b>    |                               |          |
| <b>Comments:</b>           | incoming call forwarded.      |          |
| Element Name               | Element Value                 | Comments |
| comp_part1                 | 'A1100201'O                   |          |
| invokeld                   | '01'O                         |          |
| comp_part2                 | '02011030808101298501020000'O |          |
| comp_part3                 | OMIT                          |          |
| comp_part4                 | OMIT                          |          |
| comp_part5                 | OMIT                          |          |
| comp_part6                 | OMIT                          |          |
| comp_part7                 | OMIT                          |          |
| comp_part8                 | OMIT                          |          |
| comp_part9                 | OMIT                          |          |
| comp_part10                | OMIT                          |          |
| comp_part11                | OMIT                          |          |
| comp_part12                | OMIT                          |          |
| <b>Detailed Comments:</b>  |                               |          |

| Structured Type Constraint |                                        |          |
|----------------------------|----------------------------------------|----------|
| <b>Constraint Name:</b>    | NotificationSS_02                      |          |
| <b>Structured Type:</b>    | Component_T                            |          |
| <b>Derivation Path:</b>    |                                        |          |
| <b>Comments:</b>           | CFU provisioned, registered and active |          |
| Element Name               | Element Value                          | Comments |
| comp_part1                 | 'A1800201'O                            |          |
| invokeld                   | '00'O                                  |          |
| comp_part2                 | '02011030068101218401070000'O          |          |
| comp_part3                 | OMIT                                   |          |
| comp_part4                 | OMIT                                   |          |
| comp_part5                 | OMIT                                   |          |
| comp_part6                 | OMIT                                   |          |
| comp_part7                 | OMIT                                   |          |
| comp_part8                 | OMIT                                   |          |
| comp_part9                 | OMIT                                   |          |
| comp_part10                | OMIT                                   |          |
| comp_part11                | OMIT                                   |          |
| comp_part12                | OMIT                                   |          |
| <b>Detailed Comments:</b>  |                                        |          |

| Structured Type Constraint |                                        |          |
|----------------------------|----------------------------------------|----------|
| <b>Constraint Name:</b>    | NotificationSS_03                      |          |
| <b>Structured Type:</b>    | Component_T                            |          |
| <b>Derivation Path:</b>    |                                        |          |
| <b>Comments:</b>           | CFC provisioned, registered and active |          |
| Element Name               | Element Value                          | Comments |
| comp_part1                 | 'A1100201'O                            |          |
| invokeld                   | '01'O                                  |          |
| comp_part2                 | '02011030808101288401070000'O          |          |
| comp_part3                 | OMIT                                   |          |
| comp_part4                 | OMIT                                   |          |
| comp_part5                 | OMIT                                   |          |
| comp_part6                 | OMIT                                   |          |
| comp_part7                 | OMIT                                   |          |
| comp_part8                 | OMIT                                   |          |
| comp_part9                 | OMIT                                   |          |
| comp_part10                | OMIT                                   |          |
| comp_part11                | OMIT                                   |          |
| comp_part12                | OMIT                                   |          |
| <b>Detailed Comments:</b>  |                                        |          |

| Structured Type Constraint |                               |          |
|----------------------------|-------------------------------|----------|
| <b>Constraint Name:</b>    | NotificationSS_04             |          |
| <b>Structured Type:</b>    | Component_T                   |          |
| <b>Derivation Path:</b>    |                               |          |
| <b>Comments:</b>           | CFNRc forwarded call          |          |
| Element Name               | Element Value                 | Comments |
| comp_part1                 | 'A1800201'O                   |          |
| invokeld                   | '00'O                         |          |
| comp_part2                 | '020110300681012B8501010000'O |          |
| comp_part3                 | OMIT                          |          |
| comp_part4                 | OMIT                          |          |
| comp_part5                 | OMIT                          |          |
| comp_part6                 | OMIT                          |          |
| comp_part7                 | OMIT                          |          |
| comp_part8                 | OMIT                          |          |
| comp_part9                 | OMIT                          |          |
| comp_part10                | OMIT                          |          |
| comp_part11                | OMIT                          |          |
| comp_part12                | OMIT                          |          |
| <b>Detailed Comments:</b>  |                               |          |

| Structured Type Constraint |                           |          |
|----------------------------|---------------------------|----------|
| <b>Constraint Name:</b>    | NotificationSS_05         |          |
| <b>Structured Type:</b>    | Component_T               |          |
| <b>Derivation Path:</b>    |                           |          |
| <b>Comments:</b>           | BI                        |          |
| Element Name               | Element Value             | Comments |
| comp_part1                 | 'A10E0201'O               |          |
| invokeld                   | '00'O                     |          |
| comp_part2                 | '0201103006810199840107'O |          |
| comp_part3                 | OMIT                      |          |
| comp_part4                 | OMIT                      |          |
| comp_part5                 | OMIT                      |          |
| comp_part6                 | OMIT                      |          |
| comp_part7                 | OMIT                      |          |
| comp_part8                 | OMIT                      |          |
| comp_part9                 | OMIT                      |          |
| comp_part10                | OMIT                      |          |
| comp_part11                | OMIT                      |          |
| comp_part12                | OMIT                      |          |
| <b>Detailed Comments:</b>  |                           |          |

| Structured Type Constraint |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | NotificationSS_06(Invkid :OCTETSTRING; ussdstring: IA5String) |          |
| <b>Structured Type:</b>    | Component_T                                                   |          |
| <b>Derivation Path:</b>    |                                                               |          |
| <b>Comments:</b>           | UnstructuredSS-Notify                                         |          |
| Element Name               | Element Value                                                 | Comments |
| comp_part1                 | 'A1140201'O                                                   |          |
| invokeld                   | Invkid                                                        |          |
| comp_part2                 | '02013D0F'O                                                   |          |
| comp_part3                 | OC_CodingOfUssdString(ussdstring)                             |          |
| comp_part4                 | OMIT                                                          |          |
| comp_part5                 | OMIT                                                          |          |
| comp_part6                 | OMIT                                                          |          |
| comp_part7                 | OMIT                                                          |          |
| comp_part8                 | OMIT                                                          |          |
| comp_part9                 | OMIT                                                          |          |
| comp_part10                | OMIT                                                          |          |
| comp_part11                | OMIT                                                          |          |
| comp_part12                | OMIT                                                          |          |
| <b>Detailed Comments:</b>  |                                                               |          |

| Structured Type Constraint |                                        |          |
|----------------------------|----------------------------------------|----------|
| <b>Constraint Name:</b>    | NotificationSS_08(Invkid :OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                            |          |
| <b>Derivation Path:</b>    |                                        |          |
| <b>Comments:</b>           | UnstructuredSS-Notify                  |          |
| Element Name               | Element Value                          | Comments |
| comp_part1                 | 'A2030201'O                            |          |
| invokeld                   | Invkid                                 |          |
| comp_part2                 | OMIT                                   |          |
| comp_part3                 | OMIT                                   |          |
| comp_part4                 | OMIT                                   |          |
| comp_part5                 | OMIT                                   |          |
| comp_part6                 | OMIT                                   |          |
| comp_part7                 | OMIT                                   |          |
| comp_part8                 | OMIT                                   |          |
| comp_part9                 | OMIT                                   |          |
| comp_part10                | OMIT                                   |          |
| comp_part11                | OMIT                                   |          |
| comp_part12                | OMIT                                   |          |
| <b>Detailed Comments:</b>  |                                        |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | BuildMptySSRsIt_01(id:OCTETSTRING) |          |
| <b>Structured Type:</b>    | Component_T                        |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           | ReturnResult for buildMPTY         |          |
| Element Name               | Element Value                      | Comments |
| comp_part1                 | 'A2800201'O                        |          |
| invokeld                   | id                                 |          |
| comp_part2                 | '0000'O                            |          |
| comp_part3                 | OMIT                               |          |
| comp_part4                 | OMIT                               |          |
| comp_part5                 | OMIT                               |          |
| comp_part6                 | OMIT                               |          |
| comp_part7                 | OMIT                               |          |
| comp_part8                 | OMIT                               |          |
| comp_part9                 | OMIT                               |          |
| comp_part10                | OMIT                               |          |
| comp_part11                | OMIT                               |          |
| comp_part12                | OMIT                               |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                                            |          |
|----------------------------|--------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelTmdDif_01                               |          |
| <b>Structured Type:</b>    | TDIF                                       |          |
| <b>Derivation Path:</b>    |                                            |          |
| <b>Comments:</b>           |                                            |          |
| Element Name               | Element Value                              | Comments |
| iei                        | '01111011'B                                |          |
| iel                        | '01'O                                      |          |
| value                      | OC_IntToOct(((2*TSPX_k2 + 10) MOD 256), 1) |          |
| <b>Detailed Comments:</b>  |                                            |          |



| Structured Type Constraint |                                     |          |
|----------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>    | Rqr1(Rr: BITSTRING; Fn: FN)         |          |
| <b>Structured Type:</b>    | RQR                                 |          |
| <b>Derivation Path:</b>    |                                     |          |
| <b>Comments:</b>           | not address the MS under test       |          |
| Element Name               | Element Value                       | Comments |
| ra                         | INT_TO_BIT((BIT_TO_INT(Rr) + 1), 8) |          |
| fn                         | OC_FnInc(Fn, 2)                     |          |
| <b>Detailed Comments:</b>  |                                     |          |

| Structured Type Constraint |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | Rqr2(Rr: BITSTRING; Fn: FN)  |          |
| <b>Structured Type:</b>    | RQR                          |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           | To address the MS under test |          |
| Element Name               | Element Value                | Comments |
| ra                         | Rr                           |          |
| fn                         | Fn                           |          |
| <b>Detailed Comments:</b>  |                              |          |

| Structured Type Constraint |                                     |          |
|----------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>    | Rqr3                                |          |
| <b>Structured Type:</b>    | RQR                                 |          |
| <b>Derivation Path:</b>    |                                     |          |
| <b>Comments:</b>           | not pertaining to the MS under test |          |
| Element Name               | Element Value                       | Comments |
| ra                         | '00000000'B                         |          |
| fn                         | Fn_01                               |          |
| <b>Detailed Comments:</b>  |                                     |          |

| Structured Type Constraint |                                       |          |
|----------------------------|---------------------------------------|----------|
| <b>Constraint Name:</b>    | Signal_01                             |          |
| <b>Structured Type:</b>    | SIGNAL                                |          |
| <b>Derivation Path:</b>    |                                       |          |
| <b>Comments:</b>           | signal value is arbitrarily selected. |          |
| Element Name               | Element Value                         | Comments |
| iei                        | '00110100'B                           |          |
| sigv                       | '00000000'B                           |          |
| <b>Detailed Comments:</b>  |                                       |          |

| Structured Type Constraint |                                                |          |
|----------------------------|------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Signal_02                                      |          |
| <b>Structured Type:</b>    | SIGNAL                                         |          |
| <b>Derivation Path:</b>    |                                                |          |
| <b>Comments:</b>           | Signal IE with value #7 "call waiting tone on" |          |
| Element Name               | Element Value                                  | Comments |
| iei                        | '00110100'B                                    |          |
| sigv                       | '00000111'B                                    |          |
| <b>Detailed Comments:</b>  |                                                |          |

| Structured Type Constraint |                      |          |
|----------------------------|----------------------|----------|
| <b>Constraint Name:</b>    | StartingTm_01(fn:FN) |          |
| <b>Structured Type:</b>    | STRT                 |          |
| <b>Derivation Path:</b>    |                      |          |
| <b>Comments:</b>           |                      |          |
| Element Name               | Element Value        | Comments |
| iei                        | '01111101'B          |          |
| fn                         | fn                   |          |
| <b>Detailed Comments:</b>  |                      |          |

| Structured Type Constraint |                 |          |
|----------------------------|-----------------|----------|
| <b>Constraint Name:</b>    | StartingTm_omit |          |
| <b>Structured Type:</b>    | STRT            |          |
| <b>Derivation Path:</b>    |                 |          |
| <b>Comments:</b>           |                 |          |
| Element Name               | Element Value   | Comments |
| iei                        | OMIT            |          |
| fn                         | OMIT            |          |
| <b>Detailed Comments:</b>  |                 |          |

| Structured Type Constraint |                                 |          |
|----------------------------|---------------------------------|----------|
| <b>Constraint Name:</b>    | SubAdd_01                       |          |
| <b>Structured Type:</b>    | SUBAD                           |          |
| <b>Derivation Path:</b>    |                                 |          |
| <b>Comments:</b>           | containing arbitrary spare bits |          |
| Element Name               | Element Value                   | Comments |
| extb                       | '1'B                            |          |
| tos                        | '000'B                          |          |
| oei                        | '0'B                            |          |
| sp3b                       | '111'B                          |          |
| si                         | '5001'O                         |          |
| <b>Detailed Comments:</b>  |                                 |          |

| Structured Type Constraint |                                        |          |
|----------------------------|----------------------------------------|----------|
| <b>Constraint Name:</b>    | Synchi_01                              |          |
| <b>Structured Type:</b>    | SYNCHI                                 |          |
| <b>Derivation Path:</b>    |                                        |          |
| <b>Comments:</b>           | coded as a comprehension required IEI. |          |
| Element Name               | Element Value                          | Comments |
| iei                        | '0000'B                                |          |
| nci                        | '0'B                                   |          |
| rot                        | '0'B                                   |          |
| si                         | '00'B                                  |          |
| <b>Detailed Comments:</b>  |                                        |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | Synchi_02     |          |
| <b>Structured Type:</b>    | SYNCHI        |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '1100'B       |          |
| nci                        | '0'B          |          |
| rot                        | '0'B          |          |
| si                         | '10'B         |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | Synchi_03     |          |
| <b>Structured Type:</b>    | SYNCHI        |          |
| <b>Derivation Path:</b>    | Synchi_02.    |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| rot                        | '1'B          |          |
| si                         | '11'B         |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | Synchi_04     |          |
| <b>Structured Type:</b>    | SYNCHI        |          |
| <b>Derivation Path:</b>    | Synchi_02.    |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| rot                        | '1'B          |          |
| si                         | '00'B         |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                      |          |
|----------------------------|----------------------|----------|
| <b>Constraint Name:</b>    | Synchi_05            |          |
| <b>Structured Type:</b>    | SYNCHI               |          |
| <b>Derivation Path:</b>    | Synchi_02.           |          |
| <b>Comments:</b>           | finely synchronised. |          |
| Element Name               | Element Value        | Comments |
| si                         | '01'B                |          |
| <b>Detailed Comments:</b>  |                      |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | Synchi_06     |          |
| <b>Structured Type:</b>    | SYNCHI        |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '1100'B       |          |
| nci                        | '0'B          |          |
| rot                        | '0'B          |          |
| si                         | '00'B         |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                 |          |
|----------------------------|-----------------|----------|
| <b>Constraint Name:</b>    | TimingAdv_01    |          |
| <b>Structured Type:</b>    | TA              |          |
| <b>Derivation Path:</b>    |                 |          |
| <b>Comments:</b>           | 0 time advance. |          |
| Element Name               | Element Value   | Comments |
| iei                        | OMIT            |          |
| sprb                       | '00'B           |          |
| value                      | '000000'B       |          |
| <b>Detailed Comments:</b>  |                 |          |

| Structured Type Constraint |                 |          |
|----------------------------|-----------------|----------|
| <b>Constraint Name:</b>    | TimingAdv_01iei |          |
| <b>Structured Type:</b>    | TA              |          |
| <b>Derivation Path:</b>    |                 |          |
| <b>Comments:</b>           | 0 time advance. |          |
| Element Name               | Element Value   | Comments |
| iei                        | '01111101'B     |          |
| sprb                       | '00'B           |          |
| value                      | '000000'B       |          |
| <b>Detailed Comments:</b>  |                 |          |

| Structured Type Constraint |                                 |          |
|----------------------------|---------------------------------|----------|
| <b>Constraint Name:</b>    | TimingAdv_02                    |          |
| <b>Structured Type:</b>    | TA                              |          |
| <b>Derivation Path:</b>    |                                 |          |
| <b>Comments:</b>           | containing arbitrary spare bits |          |
| Element Name               | Element Value                   | Comments |
| iei                        | OMIT                            |          |
| sprb                       | '11'B                           |          |
| value                      | '000000'B                       |          |
| <b>Detailed Comments:</b>  |                                 |          |

| Structured Type Constraint |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | TimingAdv_03                 |          |
| <b>Structured Type:</b>    | TA                           |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           | 20 bits period time advance. |          |
| Element Name               | Element Value                | Comments |
| iei                        | OMIT                         |          |
| sprb                       | '00'B                        |          |
| value                      | '010100'B                    |          |
| <b>Detailed Comments:</b>  |                              |          |

| Structured Type Constraint |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | TimingAdv_03iei              |          |
| <b>Structured Type:</b>    | TA                           |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           | 20 bits period time advance. |          |
| Element Name               | Element Value                | Comments |
| iei                        | '01111101'B                  |          |
| sprb                       | '00'B                        |          |
| value                      | '010100'B                    |          |
| <b>Detailed Comments:</b>  |                              |          |

| Structured Type Constraint |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | TimingAdv_04                 |          |
| <b>Structured Type:</b>    | TA                           |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           | time advance = TSPX_TimadvA. |          |
| Element Name               | Element Value                | Comments |
| iei                        | OMIT                         |          |
| sprb                       | '00'B                        |          |
| value                      | TSPX_TimadvA                 |          |
| <b>Detailed Comments:</b>  |                              |          |

| Structured Type Constraint |                        |          |
|----------------------------|------------------------|----------|
| <b>Constraint Name:</b>    | TimingAdv_05           |          |
| <b>Structured Type:</b>    | TA                     |          |
| <b>Derivation Path:</b>    |                        |          |
| <b>Comments:</b>           | time advance = TSPX_y2 |          |
| Element Name               | Element Value          | Comments |
| iei                        | OMIT                   |          |
| sprb                       | '00'B                  |          |
| value                      | INT_TO_BIT(TSPX_y2, 6) |          |
| <b>Detailed Comments:</b>  |                        |          |

| Structured Type Constraint |                        |          |
|----------------------------|------------------------|----------|
| <b>Constraint Name:</b>    | TimingAdv_06           |          |
| <b>Structured Type:</b>    | TA                     |          |
| <b>Derivation Path:</b>    |                        |          |
| <b>Comments:</b>           | time advance = TSPX_y3 |          |
| Element Name               | Element Value          | Comments |
| iei                        | OMIT                   |          |
| sprb                       | '00'B                  |          |
| value                      | INT_TO_BIT(TSPX_y3, 6) |          |
| <b>Detailed Comments:</b>  |                        |          |

| Structured Type Constraint |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | TimingAdv_07                 |          |
| <b>Structured Type:</b>    | TA                           |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           | time advance = TSPX_k        |          |
| Element Name               | Element Value                | Comments |
| iei                        | OMIT                         |          |
| sprb                       | '00'B                        |          |
| value                      | INT_TO_BIT((30 + TSPX_k), 6) |          |
| <b>Detailed Comments:</b>  |                              |          |

| Structured Type Constraint |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | TimingAdv_07iei              |          |
| <b>Structured Type:</b>    | TA                           |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           | time advance = TSPX_k        |          |
| Element Name               | Element Value                | Comments |
| iei                        | '0111101'B                   |          |
| sprb                       | '00'B                        |          |
| value                      | INT_TO_BIT((30 + TSPX_k), 6) |          |
| <b>Detailed Comments:</b>  |                              |          |

| Structured Type Constraint |                        |          |
|----------------------------|------------------------|----------|
| <b>Constraint Name:</b>    | TimingAdv_08           |          |
| <b>Structured Type:</b>    | TA                     |          |
| <b>Derivation Path:</b>    |                        |          |
| <b>Comments:</b>           | time advance = TSPX_k1 |          |
| Element Name               | Element Value          | Comments |
| iei                        | OMIT                   |          |
| sprb                       | '00'B                  |          |
| value                      | INT_TO_BIT(TSPX_k1, 6) |          |
| <b>Detailed Comments:</b>  |                        |          |

| Structured Type Constraint |                        |          |
|----------------------------|------------------------|----------|
| <b>Constraint Name:</b>    | TimingAdv_09           |          |
| <b>Structured Type:</b>    | TA                     |          |
| <b>Derivation Path:</b>    |                        |          |
| <b>Comments:</b>           | time advance = TSPX_k2 |          |
| Element Name               | Element Value          | Comments |
| iei                        | OMIT                   |          |
| sprb                       | '00'B                  |          |
| value                      | INT_TO_BIT(TSPX_k2, 6) |          |
| <b>Detailed Comments:</b>  |                        |          |

| Structured Type Constraint |                        |          |
|----------------------------|------------------------|----------|
| <b>Constraint Name:</b>    | TimingAdv_10           |          |
| <b>Structured Type:</b>    | TA                     |          |
| <b>Derivation Path:</b>    |                        |          |
| <b>Comments:</b>           | time advance = TSPX_k3 |          |
| Element Name               | Element Value          | Comments |
| iei                        | OMIT                   |          |
| sprb                       | '00'B                  |          |
| value                      | INT_TO_BIT(TSPX_k3, 6) |          |
| <b>Detailed Comments:</b>  |                        |          |

| Structured Type Constraint |                |          |
|----------------------------|----------------|----------|
| <b>Constraint Name:</b>    | TimingAdv_r01  |          |
| <b>Structured Type:</b>    | TA             |          |
| <b>Derivation Path:</b>    |                |          |
| <b>Comments:</b>           | 30 bit periods |          |
| Element Name               | Element Value  | Comments |
| iei                        | OMIT           |          |
| sprb                       | '00'B          |          |
| value                      | '011110'B      |          |
| <b>Detailed Comments:</b>  |                |          |

| Structured Type Constraint |                  |          |
|----------------------------|------------------|----------|
| <b>Constraint Name:</b>    | TimingAdv_r01iei |          |
| <b>Structured Type:</b>    | TA               |          |
| <b>Derivation Path:</b>    |                  |          |
| <b>Comments:</b>           | 30 bit periods   |          |
| Element Name               | Element Value    | Comments |
| iei                        | '01111101'B      |          |
| sprb                       | '00'B            |          |
| value                      | '011110'B        |          |
| <b>Detailed Comments:</b>  |                  |          |

| Structured Type Constraint |                                     |          |
|----------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>    | TimingAdv_r02                       |          |
| <b>Structured Type:</b>    | TA                                  |          |
| <b>Derivation Path:</b>    |                                     |          |
| <b>Comments:</b>           | Arbitrarily chosen but controllable |          |
| Element Name               | Element Value                       | Comments |
| iei                        | OMIT                                |          |
| sprb                       | '00'B                               |          |
| value                      | TSPX_TimadvB                        |          |
| <b>Detailed Comments:</b>  |                                     |          |

| Structured Type Constraint |                                     |          |
|----------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>    | TimingAdv_r02iei                    |          |
| <b>Structured Type:</b>    | TA                                  |          |
| <b>Derivation Path:</b>    |                                     |          |
| <b>Comments:</b>           | Arbitrarily chosen but controllable |          |
| Element Name               | Element Value                       | Comments |
| iei                        | '01111101'B                         |          |
| sprb                       | '00'B                               |          |
| value                      | TSPX_TimadvB                        |          |
| <b>Detailed Comments:</b>  |                                     |          |

| Structured Type Constraint |                       |          |
|----------------------------|-----------------------|----------|
| <b>Constraint Name:</b>    | TimingAdv_r03         |          |
| <b>Structured Type:</b>    | TA                    |          |
| <b>Derivation Path:</b>    |                       |          |
| <b>Comments:</b>           | for TC_26_6_5_5_2     |          |
| Element Name               | Element Value         | Comments |
| iei                        | OMIT                  |          |
| sprb                       | '00'B                 |          |
| value                      | INT_TO_BIT(TSPX_y, 6) |          |
| <b>Detailed Comments:</b>  |                       |          |

| Structured Type Constraint |                   |          |
|----------------------------|-------------------|----------|
| <b>Constraint Name:</b>    | TimingAdv_r04     |          |
| <b>Structured Type:</b>    | TA                |          |
| <b>Derivation Path:</b>    |                   |          |
| <b>Comments:</b>           | for TC_26_6_5_5_2 |          |
| Element Name               | Element Value     | Comments |
| iei                        | OMIT              |          |
| sprb                       | '00'B             |          |
| value                      | INT_TO_BIT(9, 6)  |          |
| <b>Detailed Comments:</b>  |                   |          |

| Structured Type Constraint |                                     |          |
|----------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>    | TimingAdv_r05                       |          |
| <b>Structured Type:</b>    | TA                                  |          |
| <b>Derivation Path:</b>    |                                     |          |
| <b>Comments:</b>           | Arbitrarily chosen but controllable |          |
| Element Name               | Element Value                       | Comments |
| iei                        | OMIT                                |          |
| sprb                       | '00'B                               |          |
| value                      | TSPX_TimadvC                        |          |
| <b>Detailed Comments:</b>  |                                     |          |

| Structured Type Constraint |                       |          |
|----------------------------|-----------------------|----------|
| <b>Constraint Name:</b>    | TimAdv_y              |          |
| <b>Structured Type:</b>    | TA                    |          |
| <b>Derivation Path:</b>    |                       |          |
| <b>Comments:</b>           | time advance = TSPX_y |          |
| Element Name               | Element Value         | Comments |
| iei                        | OMIT                  |          |
| sprb                       | '00'B                 |          |
| value                      | INT_TO_BIT(TSPX_y, 6) |          |
| <b>Detailed Comments:</b>  |                       |          |

| Structured Type Constraint |                                  |          |
|----------------------------|----------------------------------|----------|
| <b>Constraint Name:</b>    | TimAdv_yplusk                    |          |
| <b>Structured Type:</b>    | TA                               |          |
| <b>Derivation Path:</b>    |                                  |          |
| <b>Comments:</b>           | time advance = TSPX_k + TSPX_y   |          |
| Element Name               | Element Value                    | Comments |
| iei                        | OMIT                             |          |
| sprb                       | '00'B                            |          |
| value                      | INT_TO_BIT((TSPX_k + TSPX_y), 6) |          |
| <b>Detailed Comments:</b>  |                                  |          |

| Structured Type Constraint |                                                   |          |
|----------------------------|---------------------------------------------------|----------|
| <b>Constraint Name:</b>    | TimAdv_ykmod256iei                                |          |
| <b>Structured Type:</b>    | TA                                                |          |
| <b>Derivation Path:</b>    |                                                   |          |
| <b>Comments:</b>           | time advance = ((2 * TSPX_k) + TSPX_y) modulo 256 |          |
| Element Name               | Element Value                                     | Comments |
| iei                        | '01111101'B                                       |          |
| sprb                       | '00'B                                             |          |
| value                      | INT_TO_BIT((((2 * TSPX_k) + TSPX_y) MOD 256), 6)  |          |
| <b>Detailed Comments:</b>  |                                                   |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | TI_01                                                           |          |
| <b>Structured Type:</b>    | TI                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used by the MS in the transaction initiated by the test system. |          |
| Element Name               | Element Value                                                   | Comments |
| ti_f                       | '1'B                                                            |          |
| ti_v                       | '000'B                                                          |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | TI_02                                                                            |          |
| <b>Structured Type:</b>    | TI                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                  |          |
| <b>Comments:</b>           | used in the messages sent to the MS in the transaction initiated by test system. |          |
| Element Name               | Element Value                                                                    | Comments |
| ti_f                       | '0'B                                                                             |          |
| ti_v                       | '000'B                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |



| Structured Type Constraint |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | TI_03                                                                            |          |
| <b>Structured Type:</b>    | TI                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                  |          |
| <b>Comments:</b>           | used in the messages sent to the MS in the transaction initiated by test system. |          |
| Element Name               | Element Value                                                                    | Comments |
| ti_f                       | '0'B                                                                             |          |
| ti_v                       | '110'B                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |

| Structured Type Constraint |                 |          |
|----------------------------|-----------------|----------|
| <b>Constraint Name:</b>    | TI_04           |          |
| <b>Structured Type:</b>    | TI              |          |
| <b>Derivation Path:</b>    |                 |          |
| <b>Comments:</b>           | arbitrary value |          |
| Element Name               | Element Value   | Comments |
| ti_f                       | '0'B            |          |
| ti_v                       | '011'B          |          |
| <b>Detailed Comments:</b>  |                 |          |

| Structured Type Constraint |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | TI_05                                                           |          |
| <b>Structured Type:</b>    | TI                                                              |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | used by the MS in the transaction initiated by the test system. |          |
| Element Name               | Element Value                                                   | Comments |
| ti_f                       | '1'B                                                            |          |
| ti_v                       | '110'B                                                          |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | TI_06         |          |
| <b>Structured Type:</b>    | TI            |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| ti_f                       | '0'B          |          |
| ti_v                       | '111'B        |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                                                                             |          |
|----------------------------|-----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | TI_07(ti :TI_V)                                                             |          |
| <b>Structured Type:</b>    | TI                                                                          |          |
| <b>Derivation Path:</b>    |                                                                             |          |
| <b>Comments:</b>           | used in the messages sent to the MS in the transaction initiated by the MS. |          |
| Element Name               | Element Value                                                               | Comments |
| ti_f                       | '0'B                                                                        |          |
| ti_v                       | ti                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                             |          |

| Structured Type Constraint |                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | TI_08(ti:TI_V)                                                                            |          |
| <b>Structured Type:</b>    | TI                                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                           |          |
| <b>Comments:</b>           | used in the messages sent to the MS in the transaction initiated by the system simulator. |          |
| Element Name               | Element Value                                                                             | Comments |
| ti_f                       | '1'B                                                                                      |          |
| ti_v                       | ti                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                           |          |

| Structured Type Constraint |                                                        |          |
|----------------------------|--------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | TI_09                                                  |          |
| <b>Structured Type:</b>    | TI                                                     |          |
| <b>Derivation Path:</b>    |                                                        |          |
| <b>Comments:</b>           | used by the MS in the transaction initiated by the MS. |          |
| Element Name               | Element Value                                          | Comments |
| ti_f                       | '0'B                                                   |          |
| ti_v                       | ?                                                      |          |
| <b>Detailed Comments:</b>  |                                                        |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | Tmsi_01       |          |
| <b>Structured Type:</b>    | TMSI          |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | OMIT          |          |
| tmsi_val                   | TSPX_TMSI     |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint                                                                 |                              |          |
|--------------------------------------------------------------------------------------------|------------------------------|----------|
| <b>Constraint Name:</b>                                                                    | Tmsi_r01                     |          |
| <b>Structured Type:</b>                                                                    | TMSI                         |          |
| <b>Derivation Path:</b>                                                                    |                              |          |
| <b>Comments:</b>                                                                           |                              |          |
| Element Name                                                                               | Element Value                | Comments |
| iei                                                                                        | OMIT                         |          |
| tmsi_val                                                                                   | OC_IncTmsi(TSPX_TMSI, '01'O) |          |
| <b>Detailed Comments:</b> Note: the TSPX_TMSI + '01'O shall not be identical to TSPX_TMSI1 |                              |          |

| Structured Type Constraint                                                                 |                              |          |
|--------------------------------------------------------------------------------------------|------------------------------|----------|
| <b>Constraint Name:</b>                                                                    | Tmsi_r03                     |          |
| <b>Structured Type:</b>                                                                    | TMSI                         |          |
| <b>Derivation Path:</b>                                                                    |                              |          |
| <b>Comments:</b>                                                                           |                              |          |
| Element Name                                                                               | Element Value                | Comments |
| iei                                                                                        | OMIT                         |          |
| tmsi_val                                                                                   | OC_IncTmsi(TSPX_TMSI, '02'O) |          |
| <b>Detailed Comments:</b> Note: the TSPX_TMSI + '02'O shall not be identical to TSPX_TMSI1 |                              |          |

| Structured Type Constraint |                                                                  |          |
|----------------------------|------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Tmsi_r04                                                         |          |
| <b>Structured Type:</b>    | TMSI                                                             |          |
| <b>Derivation Path:</b>    |                                                                  |          |
| <b>Comments:</b>           |                                                                  |          |
| Element Name               | Element Value                                                    | Comments |
| iei                        | OMIT                                                             |          |
| tmsi_val                   | OC_IncTmsi(TSPX_TMSI, '03'O)                                     |          |
| <b>Detailed Comments:</b>  | Note: the TSPX_TMSI + '03'O shall not be identical to TSPX_TMSI1 |          |

| Structured Type Constraint |                                                                  |          |
|----------------------------|------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Tmsi_r05                                                         |          |
| <b>Structured Type:</b>    | TMSI                                                             |          |
| <b>Derivation Path:</b>    |                                                                  |          |
| <b>Comments:</b>           |                                                                  |          |
| Element Name               | Element Value                                                    | Comments |
| iei                        | OMIT                                                             |          |
| tmsi_val                   | OC_IncTmsi(TSPX_TMSI, '04'O)                                     |          |
| <b>Detailed Comments:</b>  | Note: the TSPX_TMSI + '04'O shall not be identical to TSPX_TMSI1 |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | TonNpi_01     |          |
| <b>Structured Type:</b>    | TON_NPI       |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| extb                       | '0'B          |          |
| ton                        | '000'B        |          |
| npi                        | '0000'B       |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | TonNpi_02     |          |
| <b>Structured Type:</b>    | TON_NPI       |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| extb                       | '1'B          |          |
| ton                        | '000'B        |          |
| npi                        | '0000'B       |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | TonNpi_03     |          |
| <b>Structured Type:</b>    | TON_NPI       |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| extb                       | '1'B          |          |
| ton                        | '001'B        |          |
| npi                        | '0001'B       |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                                                 |          |
|----------------------------|-------------------------------------------------|----------|
| <b>Constraint Name:</b>    | UnknownIE_01                                    |          |
| <b>Structured Type:</b>    | UNKWN                                           |          |
| <b>Derivation Path:</b>    |                                                 |          |
| <b>Comments:</b>           | An invalid IE coded as comprehension required . |          |
| Element Name               | Element Value                                   | Comments |
| iei                        | '00000000'B                                     |          |
| iel                        | '01'O                                           |          |
| contents                   | '54'O                                           |          |
| <b>Detailed Comments:</b>  |                                                 |          |

| Structured Type Constraint |                                     |          |
|----------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>    | UnknownIE_02                        |          |
| <b>Structured Type:</b>    | UNKWN                               |          |
| <b>Derivation Path:</b>    |                                     |          |
| <b>Comments:</b>           | An invalid FIE coded as unknown IE. |          |
| Element Name               | Element Value                       | Comments |
| iei                        | '01001100'B                         |          |
| iel                        | '01'O                               |          |
| contents                   | 'FF'O                               |          |
| <b>Detailed Comments:</b>  |                                     |          |

| Structured Type Constraint |                   |          |
|----------------------------|-------------------|----------|
| <b>Constraint Name:</b>    | UnknownIE         |          |
| <b>Structured Type:</b>    | CHD               |          |
| <b>Derivation Path:</b>    |                   |          |
| <b>Comments:</b>           | used as unkown IE |          |
| Element Name               | Element Value     | Comments |
| iei                        | '01101001'B       |          |
| cht_schn                   | '00000'B          |          |
| tn                         | '010'B            |          |
| tsc                        | '101'B            |          |
| hch                        | '1'B              |          |
| maio                       | '001100'B         |          |
| hsn                        | '101010'B         |          |
| spr                        | OMIT              |          |
| arfcn                      | OMIT              |          |
| <b>Detailed Comments:</b>  |                   |          |

| Structured Type Constraint |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CpData_01(tpoa1, rpoa_mt:BCDN; rpmr: MR; timezone:TZONES)             |          |
| <b>Structured Type:</b>    | CPDATA                                                                |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           |                                                                       |          |
| Element Name               | Element Value                                                         | Comments |
| iei                        | OMIT                                                                  |          |
| iel                        | OC_IntToOct((162+OC_LengthOfBCDN(tpoa1)+OC_LengthOfBCDN(rpoa_mt)), 1) |          |
| rpack                      | OMIT                                                                  |          |
| rpdata                     | RpData_01(rpoa_mt, topa1, rpmr, timezone)                             |          |
| rperr                      | OMIT                                                                  |          |
| rpsmma                     | OMIT                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| Structured Type Constraint |                     |          |
|----------------------------|---------------------|----------|
| <b>Constraint Name:</b>    | CpData_02(rpmr: MR) |          |
| <b>Structured Type:</b>    | CPDATA              |          |
| <b>Derivation Path:</b>    |                     |          |
| <b>Comments:</b>           |                     |          |
| Element Name               | Element Value       | Comments |
| iei                        | OMIT                |          |
| iel                        | ?                   |          |
| rpack                      | RpAck_01(rpmr)      |          |
| rpdata                     | OMIT                |          |
| rperr                      | OMIT                |          |
| rpsmma                     | OMIT                |          |
| <b>Detailed Comments:</b>  |                     |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | CpData_03     |          |
| <b>Structured Type:</b>    | CPDATA        |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | OMIT          |          |
| iel                        | ?             |          |
| rpack                      | OMIT          |          |
| rpdata                     | RpData_03     |          |
| rperr                      | OMIT          |          |
| rpsmma                     | OMIT          |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                     |          |
|----------------------------|---------------------|----------|
| <b>Constraint Name:</b>    | CpData_04(rpmr: MR) |          |
| <b>Structured Type:</b>    | CPDATA              |          |
| <b>Derivation Path:</b>    |                     |          |
| <b>Comments:</b>           |                     |          |
| Element Name               | Element Value       | Comments |
| iei                        | OMIT                |          |
| iel                        | ?                   |          |
| rpack                      | RpAck_02(rpmr)      |          |
| rpdata                     | OMIT                |          |
| rperr                      | OMIT                |          |
| rpsmma                     | OMIT                |          |
| <b>Detailed Comments:</b>  |                     |          |

| Structured Type Constraint |                                                                        |          |
|----------------------------|------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CpData_05(tpoa1, rpoa_mt:BCDN; rpmr: MR; timezone:TZONES)              |          |
| <b>Structured Type:</b>    | CPDATA                                                                 |          |
| <b>Derivation Path:</b>    |                                                                        |          |
| <b>Comments:</b>           |                                                                        |          |
| Element Name               | Element Value                                                          | Comments |
| iei                        | OMIT                                                                   |          |
| iel                        | OC_IntToOct(((162+OC_LengthOfBCDN(tpoa1)+OC_LengthOfBCDN(rpoa_mt)), 1) |          |
| rpack                      | OMIT                                                                   |          |
| rpdata                     | RpData_05(rpoa_mt, toa1, rpmr, timezone)                               |          |
| rperr                      | OMIT                                                                   |          |
| rpsmma                     | OMIT                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                        |          |

| Structured Type Constraint |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CpData_06(tpoa1, rpoa_mt:BCDN; rpmr: MR; timezone:TZONES)             |          |
| <b>Structured Type:</b>    | CPDATA                                                                |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           |                                                                       |          |
| Element Name               | Element Value                                                         | Comments |
| iei                        | OMIT                                                                  |          |
| iel                        | OC_IntToOct((162+OC_LengthOfBCDN(tpoa1)+OC_LengthOfBCDN(rpoa_mt)), 1) |          |
| rpack                      | OMIT                                                                  |          |
| rpdata                     | RpData_06(rpoa_mt, tpoa1, rpmr, timezone)                             |          |
| rperr                      | OMIT                                                                  |          |
| rpsmma                     | OMIT                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| Structured Type Constraint |                                       |          |
|----------------------------|---------------------------------------|----------|
| <b>Constraint Name:</b>    | CpData_07(rpmr: MR)                   |          |
| <b>Structured Type:</b>    | CPDATA                                |          |
| <b>Derivation Path:</b>    |                                       |          |
| <b>Comments:</b>           | RP Error: Protocol Error, unspecified |          |
| Element Name               | Element Value                         | Comments |
| iei                        | OMIT                                  |          |
| iel                        | ?                                     |          |
| rpack                      | OMIT                                  |          |
| rpdata                     | OMIT                                  |          |
| rperr                      | RpError_01(rpmr)                      |          |
| rpsmma                     | OMIT                                  |          |
| <b>Detailed Comments:</b>  |                                       |          |

| Structured Type Constraint |                                      |          |
|----------------------------|--------------------------------------|----------|
| <b>Constraint Name:</b>    | CpData_08(rpmr: MR)                  |          |
| <b>Structured Type:</b>    | CPDATA                               |          |
| <b>Derivation Path:</b>    |                                      |          |
| <b>Comments:</b>           | RP Error: Memory Capability Exceeded |          |
| Element Name               | Element Value                        | Comments |
| iei                        | OMIT                                 |          |
| iel                        | ?                                    |          |
| rpack                      | OMIT                                 |          |
| rpdata                     | OMIT                                 |          |
| rperr                      | RpError_02(rpmr)                     |          |
| rpsmma                     | OMIT                                 |          |
| <b>Detailed Comments:</b>  |                                      |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | CpData_09     |          |
| <b>Structured Type:</b>    | CPDATA        |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           | RP_SMAA       |          |
| Element Name               | Element Value | Comments |
| iei                        | OMIT          |          |
| iel                        | ?             |          |
| rpack                      | OMIT          |          |
| rpdata                     | OMIT          |          |
| rperr                      | OMIT          |          |
| rpsmma                     | RpSMMA_01     |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                                                                        |          |
|----------------------------|------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CpData_10(tpoa1, rpoa_mt:BCDN; rpmr: MR; timezone:TZONES)              |          |
| <b>Structured Type:</b>    | CPDATA                                                                 |          |
| <b>Derivation Path:</b>    |                                                                        |          |
| <b>Comments:</b>           |                                                                        |          |
| Element Name               | Element Value                                                          | Comments |
| iei                        | OMIT                                                                   |          |
| iel                        | OC_IntToOct(((162+OC_LengthOfBCDN(tpoa1)+OC_LengthOfBCDN(rpoa_mt)), 1) |          |
| rpack                      | OMIT                                                                   |          |
| rpdata                     | RpData_07(rpoa_mt, tpoa1, rpmr, timezone)                              |          |
| rperr                      | OMIT                                                                   |          |
| rpsmma                     | OMIT                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                        |          |

| Structured Type Constraint |                                  |          |
|----------------------------|----------------------------------|----------|
| <b>Constraint Name:</b>    | CpData_11                        |          |
| <b>Structured Type:</b>    | CPDATA                           |          |
| <b>Derivation Path:</b>    |                                  |          |
| <b>Comments:</b>           | ms -> n, status report requested |          |
| Element Name               | Element Value                    | Comments |
| iei                        | OMIT                             |          |
| iel                        | ?                                |          |
| rpack                      | OMIT                             |          |
| rpdata                     | RpData_08                        |          |
| rperr                      | OMIT                             |          |
| rpsmma                     | OMIT                             |          |
| <b>Detailed Comments:</b>  |                                  |          |

| Structured Type Constraint |                                                                      |          |
|----------------------------|----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CpData_12(tpda, rpoa_mt:BCDN; tpmr: MR; rpmr: MR; timezone:TZONES)   |          |
| <b>Structured Type:</b>    | CPDATA                                                               |          |
| <b>Derivation Path:</b>    |                                                                      |          |
| <b>Comments:</b>           | n -> ms, RP DATA(SMS-STATUS-REPORT)                                  |          |
| Element Name               | Element Value                                                        | Comments |
| iei                        | OMIT                                                                 |          |
| iel                        | OC_IntToOct(((28+OC_LengthOfBCDN(tpda)+OC_LengthOfBCDN(rpoa_mt)), 1) |          |
| rpack                      | OMIT                                                                 |          |
| rpdata                     | RpData_09(rpoa_mt, tpda, tpmr, rpmr, timezone)                       |          |
| rperr                      | OMIT                                                                 |          |
| rpsmma                     | OMIT                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                      |          |

| Structured Type Constraint |                                                      |          |
|----------------------------|------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CpData_13(rpoa_mt, rpd_mt: BCDN; rpmr: MR; tpmr: MR) |          |
| <b>Structured Type:</b>    | CPDATA                                               |          |
| <b>Derivation Path:</b>    |                                                      |          |
| <b>Comments:</b>           | ms -> n, RP data(SMS-COMMAND(Enquiry))               |          |
| Element Name               | Element Value                                        | Comments |
| iei                        | OMIT                                                 |          |
| iel                        | ?                                                    |          |
| rpack                      | OMIT                                                 |          |
| rpdata                     | RpData_10(rpoa_mt, rpd_mt, rpmr, tpmr)               |          |
| rperr                      | OMIT                                                 |          |
| rpsmma                     | OMIT                                                 |          |
| <b>Detailed Comments:</b>  |                                                      |          |

| Structured Type Constraint |                                       |          |
|----------------------------|---------------------------------------|----------|
| <b>Constraint Name:</b>    | CpData_14(rpmr: MR; tpmr: MR)         |          |
| <b>Structured Type:</b>    | CPDATA                                |          |
| <b>Derivation Path:</b>    |                                       |          |
| <b>Comments:</b>           | ms -> n, RP data(SMS-COMMAND(Delete)) |          |
| Element Name               | Element Value                         | Comments |
| iei                        | OMIT                                  |          |
| iel                        | ?                                     |          |
| rpack                      | OMIT                                  |          |
| rpdata                     | RpData_11(rpmr, tpmr)                 |          |
| rperr                      | OMIT                                  |          |
| rpsmma                     | OMIT                                  |          |
| <b>Detailed Comments:</b>  |                                       |          |

| Structured Type Constraint |                                                                                                    |          |
|----------------------------|----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CpData_15(tpoa1: BCDN; rpoa_mt: BCDN; smtype: INTEGER; text: IA5String; rpmr: MR; timezone:TZONES) |          |
| <b>Structured Type:</b>    | CPDATA                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                    |          |
| <b>Comments:</b>           |                                                                                                    |          |
| Element Name               | Element Value                                                                                      | Comments |
| iei                        | OMIT                                                                                               |          |
| iel                        | OC_IntToOct((162+OC_LengthOfBCDN(tpoa1)+OC_LengthOfBCDN(rpoa_mt)), 1)                              |          |
| rpack                      | OMIT                                                                                               |          |
| rpdata                     | RpData_12(tpoa1, rpoa_mt, smtype, text, rpmr, timezone)                                            |          |
| rperr                      | OMIT                                                                                               |          |
| rpsmma                     | OMIT                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                    |          |



| Structured Type Constraint |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CpData_16(tpoa1: BCDN; rpoa_mt: BCDN; text: IA5String; rpmr: MR; timezone:TZONES) |          |
| <b>Structured Type:</b>    | CPDATA                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                   |          |
| <b>Comments:</b>           |                                                                                   |          |
| Element Name               | Element Value                                                                     | Comments |
| iei                        | OMIT                                                                              |          |
| iel                        | OC_IntToOct(((162+OC_LengthOfBCDN(tpoa1)+OC_LengthOfBCDN(rpoa_mt)), 1)            |          |
| rpack                      | OMIT                                                                              |          |
| rpdata                     | RpData_13(tpoa1, rpoa_mt, text, rpmr, timezone)                                   |          |
| rperr                      | OMIT                                                                              |          |
| rpsmma                     | OMIT                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| Structured Type Constraint |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CpData_17(tpda: BCDN; rpda: BCDN; rpoa_mo: BCDN) |          |
| <b>Structured Type:</b>    | CPDATA                                           |          |
| <b>Derivation Path:</b>    |                                                  |          |
| <b>Comments:</b>           |                                                  |          |
| Element Name               | Element Value                                    | Comments |
| iei                        | OMIT                                             |          |
| iel                        | ?                                                |          |
| rpack                      | OMIT                                             |          |
| rpdata                     | RpData_14(tpda, rpda, rpoa_mo)                   |          |
| rperr                      | OMIT                                             |          |
| rpsmma                     | OMIT                                             |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| Structured Type Constraint |                                                           |          |
|----------------------------|-----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RpData_01(rpoa_mt, tpoa1:BCDN; rpmr: MR; timezone:TZONES) |          |
| <b>Structured Type:</b>    | RPDATA                                                    |          |
| <b>Derivation Path:</b>    |                                                           |          |
| <b>Comments:</b>           | n->ms                                                     |          |
| Element Name               | Element Value                                             | Comments |
| sprb                       | '00000'B                                                  |          |
| rpmti                      | '001'B                                                    |          |
| rpmr                       | rpmr                                                      |          |
| rpOaddr                    | RpOrigAddr_01(rpoa_mt)                                    |          |
| rpDaddr                    | RpDestAddr_01                                             |          |
| rpusrdat                   | RpUsrData_01(tpoa1, timezone)                             |          |
| <b>Detailed Comments:</b>  |                                                           |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | RpData_03     |          |
| <b>Structured Type:</b>    | RPDATA        |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           | ms->n         |          |
| Element Name               | Element Value | Comments |
| sprb                       | '00000'B      |          |
| rpmti                      | '000'B        |          |
| rpmr                       | ?             |          |
| rpOaddr                    | RpOrigAddr_02 |          |
| rpDaddr                    | RpDestAddr_02 |          |
| rpusrdat                   | RpUsrData_02  |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                                                           |          |
|----------------------------|-----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RpData_05(rpoa_mt, tpoa1:BCDN; rpmr: MR; timezone:TZONES) |          |
| <b>Structured Type:</b>    | RPDATA                                                    |          |
| <b>Derivation Path:</b>    |                                                           |          |
| <b>Comments:</b>           | n->ms                                                     |          |
| Element Name               | Element Value                                             | Comments |
| sprb                       | '00000'B                                                  |          |
| rpmti                      | '001'B                                                    |          |
| rpmr                       | rpmr                                                      |          |
| rpOaddr                    | RpOrigAddr_01(rpoa_mt)                                    |          |
| rpDaddr                    | RpDestAddr_01                                             |          |
| rpusrdat                   | RpUsrData_03(tpoa1, timezone)                             |          |
| <b>Detailed Comments:</b>  |                                                           |          |

| Structured Type Constraint |                                                           |          |
|----------------------------|-----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RpData_06(rpoa_mt, tpoa1:BCDN; rpmr: MR; timezone:TZONES) |          |
| <b>Structured Type:</b>    | RPDATA                                                    |          |
| <b>Derivation Path:</b>    |                                                           |          |
| <b>Comments:</b>           | n->ms                                                     |          |
| Element Name               | Element Value                                             | Comments |
| sprb                       | '00000'B                                                  |          |
| rpmti                      | '001'B                                                    |          |
| rpmr                       | rpmr                                                      |          |
| rpOaddr                    | RpOrigAddr_01(rpoa_mt)                                    |          |
| rpDaddr                    | RpDestAddr_01                                             |          |
| rpusrdat                   | RpUsrData_04(tpoa1, timezone)                             |          |
| <b>Detailed Comments:</b>  |                                                           |          |

| Structured Type Constraint |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RpData_07( rpoa_mt, tpoa1:BCDN; rpmr: MR; timezone:TZONES) |          |
| <b>Structured Type:</b>    | RPDATA                                                     |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | n->ms                                                      |          |
| Element Name               | Element Value                                              | Comments |
| sprb                       | '00000'B                                                   |          |
| rpmti                      | '001'B                                                     |          |
| rpmr                       | rpmr                                                       |          |
| rpOaddr                    | RpOrigAddr_01(rpoa_mt)                                     |          |
| rpDaddr                    | RpDestAddr_01                                              |          |
| rpusrdat                   | RpUsrData_05(tpoa1, timezone)                              |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| Structured Type Constraint |                                |          |
|----------------------------|--------------------------------|----------|
| <b>Constraint Name:</b>    | RpData_08                      |          |
| <b>Structured Type:</b>    | RPDATA                         |          |
| <b>Derivation Path:</b>    |                                |          |
| <b>Comments:</b>           | ms->n, status report requested |          |
| Element Name               | Element Value                  | Comments |
| sprb                       | '00000'B                       |          |
| rpmti                      | '000'B                         |          |
| rpmr                       | ?                              |          |
| rpOaddr                    | RpOrigAddr_02                  |          |
| rpDaddr                    | RpDestAddr_02                  |          |
| rpusrdat                   | RpUsrData_06                   |          |
| <b>Detailed Comments:</b>  |                                |          |

| Structured Type Constraint |                                                                    |          |
|----------------------------|--------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RpData_09(rpoa_mt, tpda:BCDN; tpmr: MR; rpmr: MR; timezone:TZONES) |          |
| <b>Structured Type:</b>    | RPDATA                                                             |          |
| <b>Derivation Path:</b>    |                                                                    |          |
| <b>Comments:</b>           | n->ms, RP DATA(SMS-STATUS-REPORT)                                  |          |
| Element Name               | Element Value                                                      | Comments |
| sprb                       | '00000'B                                                           |          |
| rpmti                      | '001'B                                                             |          |
| rpmr                       | rpmr                                                               |          |
| rpOaddr                    | RpOrigAddr_01(rpoa_mt)                                             |          |
| rpDaddr                    | RpDestAddr_01                                                      |          |
| rpusrdat                   | RpUsrData_07(tpda, tpmr, timezone)                                 |          |
| <b>Detailed Comments:</b>  |                                                                    |          |

| Structured Type Constraint |                                                       |          |
|----------------------------|-------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RpData_10(rpoa_mt, rpda_mt: BCDN; rpmr: MR; tpmr: MR) |          |
| <b>Structured Type:</b>    | RPDATA                                                |          |
| <b>Derivation Path:</b>    |                                                       |          |
| <b>Comments:</b>           | ms->n, RP data(SMS-COMMAND(Enquiry))                  |          |
| Element Name               | Element Value                                         | Comments |
| sprb                       | '00000'B                                              |          |
| rpmti                      | '000'B                                                |          |
| rpmr                       | OC_IntToOct(OC_OctToInt(rpmr) + 1, 1)                 |          |
| rpOaddr                    | RpOrigAddr_01(rpoa_mt)                                |          |
| rpDaddr                    | RpDestAddr_03(rpda_mt)                                |          |
| rpusrdat                   | RpUsrData_08(tpmr)                                    |          |
| <b>Detailed Comments:</b>  |                                                       |          |

| Structured Type Constraint |                                         |          |
|----------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>    | RpData_11(rpmr: MR; tpmr: MR)           |          |
| <b>Structured Type:</b>    | RPDATA                                  |          |
| <b>Derivation Path:</b>    |                                         |          |
| <b>Comments:</b>           | ms->n, RP data(SMS-COMMAND(Delete))     |          |
| Element Name               | Element Value                           | Comments |
| sprb                       | '00000'B                                |          |
| rpmti                      | '000'B                                  |          |
| rpmr                       | OC_IntToOct((OC_OctToInt(rpmr) + 1), 1) |          |
| rpOaddr                    | RpOrigAddr_02                           |          |
| rpDaddr                    | RpDestAddr_02                           |          |
| rpusrdat                   | RpUsrData_09(tpmr)                      |          |
| <b>Detailed Comments:</b>  |                                         |          |

| Structured Type Constraint |                                                                                                    |          |
|----------------------------|----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RpData_12(tpoa1: BCDN; rpoa_mt: BCDN; smtype: INTEGER; text: IA5String; rpmr: MR; timezone:TZONES) |          |
| <b>Structured Type:</b>    | RPDATA                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                    |          |
| <b>Comments:</b>           | n->ms                                                                                              |          |
| Element Name               | Element Value                                                                                      | Comments |
| sprb                       | '00000'B                                                                                           |          |
| rpmti                      | '001'B                                                                                             |          |
| rpmr                       | rpmr                                                                                               |          |
| rpOaddr                    | RpOrigAddr_03(rpoa_mt)                                                                             |          |
| rpDaddr                    | RpDestAddr_01                                                                                      |          |
| rpusrdat                   | RpUsrData_10(tpoa1, smtype, text, timezone)                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                    |          |

| Structured Type Constraint |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RpData_13(tpoa: BCDN; rpoa_mt: BCDN; text: IA5String; rpmr: MR; timezone:TZONES) |          |
| <b>Structured Type:</b>    | RPDATA                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                  |          |
| <b>Comments:</b>           | n->ms                                                                            |          |
| Element Name               | Element Value                                                                    | Comments |
| sprb                       | '0000'B                                                                          |          |
| rpmti                      | '001'B                                                                           |          |
| rpmr                       | rpmr                                                                             |          |
| rpOaddr                    | RpOrigAddr_03(rpoa_mt)                                                           |          |
| rpDaddr                    | RpDestAddr_01                                                                    |          |
| rpusrdat                   | RpUsrData_11(tpoa, text, timezone)                                               |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |

| Structured Type Constraint |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RpData_14(tpda: BCDN; rpda: BCDN; rpoa_mo: BCDN) |          |
| <b>Structured Type:</b>    | RPDATA                                           |          |
| <b>Derivation Path:</b>    |                                                  |          |
| <b>Comments:</b>           | ms->n                                            |          |
| Element Name               | Element Value                                    | Comments |
| sprb                       | '0000'B                                          |          |
| rpmti                      | '000'B                                           |          |
| rpmr                       | ?                                                |          |
| rpOaddr                    | RpOrigAddr_04(rpoa_mo)                           |          |
| rpDaddr                    | RpDestAddr_03(rpda)                              |          |
| rpusrdat                   | RpUsrData_12(tpda)                               |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| Structured Type Constraint |                    |          |
|----------------------------|--------------------|----------|
| <b>Constraint Name:</b>    | RpAck_01(rpmr: MR) |          |
| <b>Structured Type:</b>    | RPACK              |          |
| <b>Derivation Path:</b>    |                    |          |
| <b>Comments:</b>           | ms->n              |          |
| Element Name               | Element Value      | Comments |
| sprb                       | '0000'B            |          |
| rpmti                      | '010'B             |          |
| rpmr                       | rpmr               |          |
| <b>Detailed Comments:</b>  |                    |          |

| Structured Type Constraint |                    |          |
|----------------------------|--------------------|----------|
| <b>Constraint Name:</b>    | RpAck_02(rpmr: MR) |          |
| <b>Structured Type:</b>    | RPACK              |          |
| <b>Derivation Path:</b>    |                    |          |
| <b>Comments:</b>           | RP_ACK n->ms       |          |
| Element Name               | Element Value      | Comments |
| sprb                       | '0000'B            |          |
| rpmti                      | '011'B             |          |
| rpmr                       | rpmr               |          |
| <b>Detailed Comments:</b>  |                    |          |

| Structured Type Constraint |                             |          |
|----------------------------|-----------------------------|----------|
| <b>Constraint Name:</b>    | RpError_01(rpmr: MR)        |          |
| <b>Structured Type:</b>    | RPERR                       |          |
| <b>Derivation Path:</b>    |                             |          |
| <b>Comments:</b>           | Protocol error, unspecified |          |
| Element Name               | Element Value               | Comments |
| sprb                       | '00000'B                    |          |
| rpmti                      | '100'B                      |          |
| rpmr                       | rpmr                        |          |
| rpcau                      | RpCause_01                  |          |
| rpusrdat                   | OMIT                        |          |
| <b>Detailed Comments:</b>  |                             |          |

| Structured Type Constraint |                          |          |
|----------------------------|--------------------------|----------|
| <b>Constraint Name:</b>    | RpError_02(rpmr: MR)     |          |
| <b>Structured Type:</b>    | RPERR                    |          |
| <b>Derivation Path:</b>    |                          |          |
| <b>Comments:</b>           | Memory Capacity Exceeded |          |
| Element Name               | Element Value            | Comments |
| sprb                       | '00000'B                 |          |
| rpmti                      | '100'B                   |          |
| rpmr                       | rpmr                     |          |
| rpcau                      | RpCause_02               |          |
| rpusrdat                   | OMIT                     |          |
| <b>Detailed Comments:</b>  |                          |          |

| Structured Type Constraint |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | RpCause_01                         |          |
| <b>Structured Type:</b>    | RPCAU                              |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           | ms->n, Protocol error, unspecified |          |
| Element Name               | Element Value                      | Comments |
| iei                        | '01000010'B                        |          |
| iel                        | ?                                  |          |
| extb2                      | '0'B                               |          |
| rpcau_class                | '110'B                             |          |
| rpcau_va                   | '1111'B                            |          |
| rpcau_di                   | ?                                  |          |
| <b>Detailed Comments:</b>  |                                    |          |

| Structured Type Constraint |                                 |          |
|----------------------------|---------------------------------|----------|
| <b>Constraint Name:</b>    | RpCause_02                      |          |
| <b>Structured Type:</b>    | RPCAU                           |          |
| <b>Derivation Path:</b>    |                                 |          |
| <b>Comments:</b>           | ms->n, Memory Capacity Exceeded |          |
| Element Name               | Element Value                   | Comments |
| iei                        | '01000010'B                     |          |
| iel                        | ?                               |          |
| extb2                      | '0'B                            |          |
| rpcau_class                | '001'B                          |          |
| rpcau_va                   | '0110'B                         |          |
| rpcau_di                   | ?                               |          |
| <b>Detailed Comments:</b>  |                                 |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | RpSMMA_01     |          |
| <b>Structured Type:</b>    | RPSMMA        |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           | ms->n         |          |
| Element Name               | Element Value | Comments |
| sprb                       | '00000'B      |          |
| rpmti                      | '110'B        |          |
| rpmr                       | ?             |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                                              |          |
|----------------------------|----------------------------------------------|----------|
| <b>Constraint Name:</b>    | RpUsrData_01(tpoa1:BCDN; timezone:TZONES)    |          |
| <b>Structured Type:</b>    | RPUSRDAT                                     |          |
| <b>Derivation Path:</b>    |                                              |          |
| <b>Comments:</b>           |                                              |          |
| Element Name               | Element Value                                | Comments |
| iei                        | '01000001'B                                  |          |
| iel                        | OC_IntToOct((153+OC_LengthOfBCDN(tpoa1)), 1) |          |
| tpdeliver                  | TpDeliver_01(tpoa1, timezone)                |          |
| tpsubmit                   | OMIT                                         |          |
| tpstatus_rpt               | OMIT                                         |          |
| tpcommand                  | OMIT                                         |          |
| tpdlvr_sbmt_rpt            | OMIT                                         |          |
| <b>Detailed Comments:</b>  |                                              |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | RpUsrData_02  |          |
| <b>Structured Type:</b>    | RPUSRDAT      |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '01000001'B   |          |
| iel                        | ?             |          |
| tpdeliver                  | OMIT          |          |
| tpsubmit                   | TpSubmit_01   |          |
| tpstatus_rpt               | OMIT          |          |
| tpcommand                  | OMIT          |          |
| tpdlvr_sbmt_rpt            | OMIT          |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                                              |          |
|----------------------------|----------------------------------------------|----------|
| <b>Constraint Name:</b>    | RpUsrData_03(tpoa1:BCDN; timezone:TZONES)    |          |
| <b>Structured Type:</b>    | RPUSRDAT                                     |          |
| <b>Derivation Path:</b>    |                                              |          |
| <b>Comments:</b>           |                                              |          |
| Element Name               | Element Value                                | Comments |
| iei                        | '01000001'B                                  |          |
| iel                        | OC_IntToOct((153+OC_LengthOfBCDN(tpoa1)), 1) |          |
| tpdeliver                  | TpDeliver_02(tpoa1, timezone)                |          |
| tpsubmit                   | OMIT                                         |          |
| tpstatus_rpt               | OMIT                                         |          |
| tpcommand                  | OMIT                                         |          |
| tpdlvr_sbmt_rpt            | OMIT                                         |          |
| <b>Detailed Comments:</b>  |                                              |          |

| Structured Type Constraint |                                               |          |
|----------------------------|-----------------------------------------------|----------|
| <b>Constraint Name:</b>    | RpUsrData_04(tpoa1:BCDN; timezone:TZONES)     |          |
| <b>Structured Type:</b>    | RPUSRDAT                                      |          |
| <b>Derivation Path:</b>    |                                               |          |
| <b>Comments:</b>           |                                               |          |
| Element Name               | Element Value                                 | Comments |
| iei                        | '01000001'B                                   |          |
| iel                        | OC_IntToOct(((153+OC_LengthOfBCDN(tpoa1)), 1) |          |
| tpdeliver                  | TpDeliver_03(tpoa1, timezone)                 |          |
| tpsubmit                   | OMIT                                          |          |
| tpstatus_rpt               | OMIT                                          |          |
| tpcommand                  | OMIT                                          |          |
| tpdlvr_sbmt_rpt            | OMIT                                          |          |
| <b>Detailed Comments:</b>  |                                               |          |

| Structured Type Constraint |                                               |          |
|----------------------------|-----------------------------------------------|----------|
| <b>Constraint Name:</b>    | RpUsrData_05(tpoa1:BCDN; timezone:TZONES)     |          |
| <b>Structured Type:</b>    | RPUSRDAT                                      |          |
| <b>Derivation Path:</b>    |                                               |          |
| <b>Comments:</b>           |                                               |          |
| Element Name               | Element Value                                 | Comments |
| iei                        | '01000001'B                                   |          |
| iel                        | OC_IntToOct(((153+OC_LengthOfBCDN(tpoa1)), 1) |          |
| tpdeliver                  | TpDeliver_04(tpoa1, timezone)                 |          |
| tpsubmit                   | OMIT                                          |          |
| tpstatus_rpt               | OMIT                                          |          |
| tpcommand                  | OMIT                                          |          |
| tpdlvr_sbmt_rpt            | OMIT                                          |          |
| <b>Detailed Comments:</b>  |                                               |          |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | RpUsrData_06  |          |
| <b>Structured Type:</b>    | RPUSRDAT      |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| iei                        | '01000001'B   |          |
| iel                        | ?             |          |
| tpdeliver                  | OMIT          |          |
| tpsubmit                   | TpSubmit_02   |          |
| tpstatus_rpt               | OMIT          |          |
| tpcommand                  | OMIT          |          |
| tpdlvr_sbmt_rpt            | OMIT          |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RpUsrData_07(tpda:BCDN; mr: MR; timezone:TZONES) |          |
| <b>Structured Type:</b>    | RPUSRDAT                                         |          |
| <b>Derivation Path:</b>    |                                                  |          |
| <b>Comments:</b>           |                                                  |          |
| Element Name               | Element Value                                    | Comments |
| iei                        | '01000001'B                                      |          |
| iel                        | OC_IntToOct((19+OC_LengthOfBCDN(tpda)), 1)       |          |
| tpdeliver                  | OMIT                                             |          |
| tpsubmit                   | OMIT                                             |          |
| tpstatus_rpt               | TpStatusReport_01(mr, timezone)                  |          |
| tpcommand                  | OMIT                                             |          |
| tpdlvr_sbmt_rpt            | OMIT                                             |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| Structured Type Constraint |                        |          |
|----------------------------|------------------------|----------|
| <b>Constraint Name:</b>    | RpUsrData_08(tpmr: MR) |          |
| <b>Structured Type:</b>    | RPUSRDAT               |          |
| <b>Derivation Path:</b>    |                        |          |
| <b>Comments:</b>           | SMS-COMMAND(Enquiry)   |          |
| Element Name               | Element Value          | Comments |
| iei                        | '01000001'B            |          |
| iel                        | ?                      |          |
| tpdeliver                  | OMIT                   |          |
| tpsubmit                   | OMIT                   |          |
| tpstatus_rpt               | OMIT                   |          |
| tpcommand                  | TpCommand_01(tpmr)     |          |
| tpdlvr_sbmt_rpt            | OMIT                   |          |
| <b>Detailed Comments:</b>  |                        |          |

| Structured Type Constraint |                        |          |
|----------------------------|------------------------|----------|
| <b>Constraint Name:</b>    | RpUsrData_09(tpmr: MR) |          |
| <b>Structured Type:</b>    | RPUSRDAT               |          |
| <b>Derivation Path:</b>    |                        |          |
| <b>Comments:</b>           | SMS-COMMAND(Delete)    |          |
| Element Name               | Element Value          | Comments |
| iei                        | '01000001'B            |          |
| iel                        | ?                      |          |
| tpdeliver                  | OMIT                   |          |
| tpsubmit                   | OMIT                   |          |
| tpstatus_rpt               | OMIT                   |          |
| tpcommand                  | TpCommand_02(tpmr)     |          |
| tpdlvr_sbmt_rpt            | OMIT                   |          |
| <b>Detailed Comments:</b>  |                        |          |



| Structured Type Constraint |                                                                              |          |
|----------------------------|------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RpUsrData_10(tpoa1: BCDN; smtype: INTEGER; text: IA5String; timezone:TZONES) |          |
| <b>Structured Type:</b>    | RPUSRDAT                                                                     |          |
| <b>Derivation Path:</b>    |                                                                              |          |
| <b>Comments:</b>           |                                                                              |          |
| Element Name               | Element Value                                                                | Comments |
| iei                        | '01000001'B                                                                  |          |
| iel                        | OC_IntToOct(((153+OC_LengthOfBCDN(tpoa1)), 1)                                |          |
| tpdeliver                  | TpDeliver_05(tpoa1, smtype, text, timezone)                                  |          |
| tpsubmit                   | OMIT                                                                         |          |
| tpstatus_rpt               | OMIT                                                                         |          |
| tpcommand                  | OMIT                                                                         |          |
| tpdlvr_sbmt_rpt            | OMIT                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                              |          |

| Structured Type Constraint |                                                             |          |
|----------------------------|-------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RpUsrData_11(tpoa1: BCDN; text: IA5String; timezone:TZONES) |          |
| <b>Structured Type:</b>    | RPUSRDAT                                                    |          |
| <b>Derivation Path:</b>    |                                                             |          |
| <b>Comments:</b>           |                                                             |          |
| Element Name               | Element Value                                               | Comments |
| iei                        | '01000001'B                                                 |          |
| iel                        | OC_IntToOct(((153+OC_LengthOfBCDN(tpoa1)), 1)               |          |
| tpdeliver                  | TpDeliver_06(tpoa1, text, timezone)                         |          |
| tpsubmit                   | OMIT                                                        |          |
| tpstatus_rpt               | OMIT                                                        |          |
| tpcommand                  | OMIT                                                        |          |
| tpdlvr_sbmt_rpt            | OMIT                                                        |          |
| <b>Detailed Comments:</b>  |                                                             |          |

| Structured Type Constraint |                          |          |
|----------------------------|--------------------------|----------|
| <b>Constraint Name:</b>    | RpUsrData_12(tpda: BCDN) |          |
| <b>Structured Type:</b>    | RPUSRDAT                 |          |
| <b>Derivation Path:</b>    |                          |          |
| <b>Comments:</b>           |                          |          |
| Element Name               | Element Value            | Comments |
| iei                        | '01000001'B              |          |
| iel                        | ?                        |          |
| tpdeliver                  | OMIT                     |          |
| tpsubmit                   | TpSubmit_03(tpda)        |          |
| tpstatus_rpt               | OMIT                     |          |
| tpcommand                  | OMIT                     |          |
| tpdlvr_sbmt_rpt            | OMIT                     |          |
| <b>Detailed Comments:</b>  |                          |          |

| <b>Structured Type Constraint</b>                                 |                             |          |
|-------------------------------------------------------------------|-----------------------------|----------|
| <b>Constraint Name:</b> TpDeliver_01(tpoa1:BCDN; timezone:TZONES) |                             |          |
| <b>Structured Type:</b> SMDLVR                                    |                             |          |
| <b>Derivation Path:</b>                                           |                             |          |
| <b>Comments:</b>                                                  |                             |          |
| Element Name                                                      | Element Value               | Comments |
| rp                                                                | '0'B                        |          |
| udhi                                                              | '0'B                        |          |
| sri                                                               | '0'B                        |          |
| sprb2                                                             | '00'B                       |          |
| mms                                                               | '0'B                        |          |
| mti                                                               | '00'B                       |          |
| oa                                                                | SmOrigAddr_01(tpoa1)        |          |
| pid                                                               | Tppid_01                    |          |
| dcs                                                               | Tpdcs_01                    |          |
| scts                                                              | OC_GetSCTimeStamp(timezone) |          |
| udl                                                               | 'A0'O                       |          |
| ud                                                                | OC_ComputeSMContents(160)   |          |
| <b>Detailed Comments:</b>                                         |                             |          |

| <b>Structured Type Constraint</b>                                 |                             |          |
|-------------------------------------------------------------------|-----------------------------|----------|
| <b>Constraint Name:</b> TpDeliver_02(tpoa1:BCDN; timezone:TZONES) |                             |          |
| <b>Structured Type:</b> SMDLVR                                    |                             |          |
| <b>Derivation Path:</b>                                           |                             |          |
| <b>Comments:</b>                                                  |                             |          |
| Element Name                                                      | Element Value               | Comments |
| rp                                                                | '0'B                        |          |
| udhi                                                              | '0'B                        |          |
| sri                                                               | '0'B                        |          |
| sprb2                                                             | '00'B                       |          |
| mms                                                               | '0'B                        |          |
| mti                                                               | '00'B                       |          |
| oa                                                                | SmOrigAddr_01(tpoa1)        |          |
| pid                                                               | Tppid_01                    |          |
| dcs                                                               | Tpdcs_02                    |          |
| scts                                                              | OC_GetSCTimeStamp(timezone) |          |
| udl                                                               | 'A0'O                       |          |
| ud                                                                | OC_ComputeSMContents(160)   |          |
| <b>Detailed Comments:</b>                                         |                             |          |

| Structured Type Constraint |                                           |          |
|----------------------------|-------------------------------------------|----------|
| <b>Constraint Name:</b>    | TpDeliver_03(tpoa1:BCDN; timezone:TZONES) |          |
| <b>Structured Type:</b>    | SMDLVR                                    |          |
| <b>Derivation Path:</b>    |                                           |          |
| <b>Comments:</b>           |                                           |          |
| Element Name               | Element Value                             | Comments |
| rp                         | '0'B                                      |          |
| udhi                       | '0'B                                      |          |
| sri                        | '0'B                                      |          |
| sprb2                      | '00'B                                     |          |
| mms                        | '0'B                                      |          |
| mti                        | '00'B                                     |          |
| oa                         | SmOrigAddr_01(tpoa1)                      |          |
| pid                        | Tppid_01                                  |          |
| dcs                        | Tpdcs_03                                  |          |
| scts                       | OC_GetSCTimeStamp(timezone)               |          |
| udl                        | 'A0'O                                     |          |
| ud                         | OC_ComputeSMContents(160)                 |          |
| <b>Detailed Comments:</b>  |                                           |          |

| Structured Type Constraint |                                           |          |
|----------------------------|-------------------------------------------|----------|
| <b>Constraint Name:</b>    | TpDeliver_04(tpoa1:BCDN; timezone:TZONES) |          |
| <b>Structured Type:</b>    | SMDLVR                                    |          |
| <b>Derivation Path:</b>    |                                           |          |
| <b>Comments:</b>           |                                           |          |
| Element Name               | Element Value                             | Comments |
| rp                         | '0'B                                      |          |
| udhi                       | '0'B                                      |          |
| sri                        | '0'B                                      |          |
| sprb2                      | '00'B                                     |          |
| mms                        | '0'B                                      |          |
| mti                        | '00'B                                     |          |
| oa                         | SmOrigAddr_01(tpoa1)                      |          |
| pid                        | Tppid_01                                  |          |
| dcs                        | Tpdcs_04                                  |          |
| scts                       | OC_GetSCTimeStamp(timezone)               |          |
| udl                        | 'A0'O                                     |          |
| ud                         | OC_ComputeSMContents(160)                 |          |
| <b>Detailed Comments:</b>  |                                           |          |

| <b>Structured Type Constraint</b> |                                                                             |                 |
|-----------------------------------|-----------------------------------------------------------------------------|-----------------|
| <b>Constraint Name:</b>           | TpDeliver_05(tpoa: BCDN; smtype: INTEGER; text: IA5String; timezone:TZONES) |                 |
| <b>Structured Type:</b>           | SMDLVR                                                                      |                 |
| <b>Derivation Path:</b>           |                                                                             |                 |
| <b>Comments:</b>                  |                                                                             |                 |
| <b>Element Name</b>               | <b>Element Value</b>                                                        | <b>Comments</b> |
| rp                                | '0'B                                                                        |                 |
| udhi                              | '0'B                                                                        |                 |
| sri                               | '0'B                                                                        |                 |
| sprb2                             | '00'B                                                                       |                 |
| mms                               | '1'B                                                                        |                 |
| mti                               | '00'B                                                                       |                 |
| oa                                | SmOrigAddr_02(tpoa)                                                         |                 |
| pid                               | Tppid_02(smtype)                                                            |                 |
| dcs                               | Tpdcs_01                                                                    |                 |
| scts                              | OC_GetSCTimeStamp(timezone)                                                 |                 |
| udl                               | 'A0'O                                                                       |                 |
| ud                                | OC_ComputeSMContentsSpecText(160, text)                                     |                 |
| <b>Detailed Comments:</b>         |                                                                             |                 |

| <b>Structured Type Constraint</b> |                                                            |                 |
|-----------------------------------|------------------------------------------------------------|-----------------|
| <b>Constraint Name:</b>           | TpDeliver_06(tpoa: BCDN; text: IA5String; timezone:TZONES) |                 |
| <b>Structured Type:</b>           | SMDLVR                                                     |                 |
| <b>Derivation Path:</b>           |                                                            |                 |
| <b>Comments:</b>                  |                                                            |                 |
| <b>Element Name</b>               | <b>Element Value</b>                                       | <b>Comments</b> |
| rp                                | '1'B                                                       |                 |
| udhi                              | '0'B                                                       |                 |
| sri                               | '0'B                                                       |                 |
| sprb2                             | '00'B                                                      |                 |
| mms                               | '1'B                                                       |                 |
| mti                               | '00'B                                                      |                 |
| oa                                | SmOrigAddr_02(tpoa)                                        |                 |
| pid                               | Tppid_01                                                   |                 |
| dcs                               | Tpdcs_01                                                   |                 |
| scts                              | OC_GetSCTimeStamp(timezone)                                |                 |
| udl                               | 'A0'O                                                      |                 |
| ud                                | OC_ComputeSMContentsSpecText(160, text)                    |                 |
| <b>Detailed Comments:</b>         |                                                            |                 |

| Structured Type Constraint |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | TpSubmit_01   |          |
| <b>Structured Type:</b>    | SMSBMT        |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Element Name               | Element Value | Comments |
| rp                         | ?             |          |
| udhi                       | ?             |          |
| srr                        | ?             |          |
| vpf                        | ?             |          |
| rd                         | ?             |          |
| mti                        | '01'B         |          |
| mr                         | ?             |          |
| da                         | SmDestAddr_01 |          |
| pid                        | Tppid_01      |          |
| dcs                        | Tpdcs_01      |          |
| vp1                        | ?             |          |
| vp7                        | OMIT          |          |
| udl                        | ?             |          |
| ud                         | ?             |          |
| <b>Detailed Comments:</b>  |               |          |

| Structured Type Constraint |                         |          |
|----------------------------|-------------------------|----------|
| <b>Constraint Name:</b>    | TpSubmit_02             |          |
| <b>Structured Type:</b>    | SMSBMT                  |          |
| <b>Derivation Path:</b>    |                         |          |
| <b>Comments:</b>           | status report requested |          |
| Element Name               | Element Value           | Comments |
| rp                         | '0'B                    |          |
| udhi                       | ?                       |          |
| srr                        | '1'B                    |          |
| vpf                        | ?                       |          |
| rd                         | ?                       |          |
| mti                        | '01'B                   |          |
| mr                         | ?                       |          |
| da                         | SmDestAddr_01           |          |
| pid                        | Tppid_01                |          |
| dcs                        | Tpdcs_01                |          |
| vp1                        | ?                       |          |
| vp7                        | OMIT                    |          |
| udl                        | ?                       |          |
| ud                         | ?                       |          |
| <b>Detailed Comments:</b>  |                         |          |

| Structured Type Constraint |                         |          |
|----------------------------|-------------------------|----------|
| <b>Constraint Name:</b>    | TpSubmit_03(tpda: BCDN) |          |
| <b>Structured Type:</b>    | SMSBMT                  |          |
| <b>Derivation Path:</b>    |                         |          |
| <b>Comments:</b>           |                         |          |
| Element Name               | Element Value           | Comments |
| rp                         | ?                       |          |
| udhi                       | ?                       |          |
| srr                        | ?                       |          |
| vpf                        | '10'B                   |          |
| rd                         | ?                       |          |
| mti                        | '01'B                   |          |
| mr                         | ?                       |          |
| da                         | SmDestAddr_02(tpda)     |          |
| pid                        | Tppid_01                |          |
| dcs                        | TpdcS_01                |          |
| vp1                        | 'A7'O                   |          |
| vp7                        | OMIT                    |          |
| udl                        | ?                       |          |
| ud                         | ?                       |          |
| <b>Detailed Comments:</b>  |                         |          |

| Structured Type Constraint |                                            |          |
|----------------------------|--------------------------------------------|----------|
| <b>Constraint Name:</b>    | TpStatusReport_01(mr: MR; timezone:TZONES) |          |
| <b>Structured Type:</b>    | SMST_RPT                                   |          |
| <b>Derivation Path:</b>    |                                            |          |
| <b>Comments:</b>           |                                            |          |
| Element Name               | Element Value                              | Comments |
| sprb1                      | '00000'B                                   |          |
| mms                        | '1'B                                       |          |
| mti                        | '10'B                                      |          |
| mr                         | mr                                         |          |
| ra                         | SmDestAddr_01                              |          |
| scts                       | OC_GetSCTimeStamp(timezone)                |          |
| dt                         | OC_GetSCTimeStamp(timezone)                |          |
| st                         | TpStatus_01                                |          |
| <b>Detailed Comments:</b>  |                                            |          |

| Structured Type Constraint |                                                                                                                |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SmOrigAddr_01(tpoa1:BCDN)                                                                                      |          |
| <b>Structured Type:</b>    | TPA                                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                                |          |
| <b>Comments:</b>           | international number coded E.164 (GSM 11.10, 34.2.1.3, specific message contents). Used in SMS-DELIVER (n->ms) |          |
| Element Name               | Element Value                                                                                                  | Comments |
| iel                        | OC_IntToOct(OC_LengthOfBCDN(tpoa1), 1)                                                                         |          |
| tonnpi                     | TonNpi_03                                                                                                      |          |
| digits                     | tpoa1                                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                                                |          |

| Structured Type Constraint |                                                                                                                |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SmOrigAddr_02(tpoa: BCDN)                                                                                      |          |
| <b>Structured Type:</b>    | TPA                                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                                |          |
| <b>Comments:</b>           | international number coded E.164 (GSM 11.10, 34.2.1.3, specific message contents). Used in SMS-DELIVER (n->ms) |          |
| Element Name               | Element Value                                                                                                  | Comments |
| iel                        | OC_IntToOct(OC_LengthOfBCDN(tpoa), 1)                                                                          |          |
| tonnpi                     | TonNpi_03                                                                                                      |          |
| digits                     | tpoa                                                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                                                |          |

| Structured Type Constraint |                                                                                                               |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SmDestAddr_01                                                                                                 |          |
| <b>Structured Type:</b>    | TPA                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                               |          |
| <b>Comments:</b>           | international number coded E.164 (GSM 11.10, 34.2.1.3, specific message contents). Used in SMS-SUBMIT (ms->n) |          |
| Element Name               | Element Value                                                                                                 | Comments |
| iel                        | ?                                                                                                             |          |
| tonnpi                     | TonNpi_03                                                                                                     |          |
| digits                     | ?                                                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                                               |          |

| Structured Type Constraint |                                                                                                               |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SmDestAddr_02(tpda: BCDN)                                                                                     |          |
| <b>Structured Type:</b>    | TPA                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                               |          |
| <b>Comments:</b>           | international number coded E.164 (GSM 11.10, 34.2.1.3, specific message contents). Used in SMS-SUBMIT (ms->n) |          |
| Element Name               | Element Value                                                                                                 | Comments |
| iel                        | OC_IntToOct(OC_LengthOfBCDN(tpda), 1)                                                                         |          |
| tonnpi                     | TonNpi_03                                                                                                     |          |
| digits                     | tpda                                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                                               |          |

| Structured Type Constraint |                                                                                                      |          |
|----------------------------|------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RpOrigAddr_01(rpoa_mt: BCDN)                                                                         |          |
| <b>Structured Type:</b>    | CDPN                                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                                      |          |
| <b>Comments:</b>           | Called party BCD number (CC information element)<br>GSM 04.08, 10.5.4.7. Used in SMS-DELIVER (n->ms) |          |
| Element Name               | Element Value                                                                                        | Comments |
| iei                        | OMIT                                                                                                 |          |
| iel                        | OC_IntToOct(OC_LengthOfBCDN(rpoa_mt), 1)                                                             |          |
| tonnpi                     | TonNpi_03                                                                                            |          |
| digits                     | rpoa_mt                                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                                      |          |

| Structured Type Constraint |                                                                                                     |          |
|----------------------------|-----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RpOrigAddr_02                                                                                       |          |
| <b>Structured Type:</b>    | CDPN                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                     |          |
| <b>Comments:</b>           | Called party BCD number (CC information element)<br>GSM 04.08, 10.5.4.7. Used in SMS-SUBMIT (ms->n) |          |
| Element Name               | Element Value                                                                                       | Comments |
| iei                        | OMIT                                                                                                |          |
| iel                        | '00'O                                                                                               |          |
| tonnpi                     | OMIT                                                                                                |          |
| digits                     | OMIT                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                     |          |

| Structured Type Constraint |                                                                                                      |          |
|----------------------------|------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RpOrigAddr_03(rpoa: BCDN)                                                                            |          |
| <b>Structured Type:</b>    | CDPN                                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                                      |          |
| <b>Comments:</b>           | Called party BCD number (CC information element)<br>GSM 04.08, 10.5.4.7. Used in SMS-DELIVER (n->ms) |          |
| Element Name               | Element Value                                                                                        | Comments |
| iei                        | OMIT                                                                                                 |          |
| iel                        | OC_IntToOct(OC_LengthOfBCDN(rpoa),<br>1)                                                             |          |
| tonnpi                     | TonNpi_03                                                                                            |          |
| digits                     | rpoa                                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                      |          |

| Structured Type Constraint |                                                                         |          |
|----------------------------|-------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RpOrigAddr_04(rpoa_mo: BCDN)                                            |          |
| <b>Structured Type:</b>    | CDPN                                                                    |          |
| <b>Derivation Path:</b>    |                                                                         |          |
| <b>Comments:</b>           | Called party BCD number (CC information element)<br>GSM 04.08, 10.5.4.7 |          |
| Element Name               | Element Value                                                           | Comments |
| iei                        | OMIT                                                                    |          |
| iel                        | OC_IntToOct(OC_LengthOfBCDN(rpoa_<br>mo), 1)                            |          |
| tonnpi                     | TonNpi_03                                                               |          |
| digits                     | rpoa_mo                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                         |          |

| Structured Type Constraint |                                                                                                      |          |
|----------------------------|------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RpDestAddr_01                                                                                        |          |
| <b>Structured Type:</b>    | CDPN                                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                                      |          |
| <b>Comments:</b>           | Called party BCD number (CC information element)<br>GSM 04.08, 10.5.4.7. Used in SMS-DELIVER (n->ms) |          |
| Element Name               | Element Value                                                                                        | Comments |
| iei                        | OMIT                                                                                                 |          |
| iel                        | '00'O                                                                                                |          |
| tonnpi                     | OMIT                                                                                                 |          |
| digits                     | OMIT                                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                      |          |



| Structured Type Constraint |                                                                                                     |          |
|----------------------------|-----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RpDestAddr_02                                                                                       |          |
| <b>Structured Type:</b>    | CDPN                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                     |          |
| <b>Comments:</b>           | Called party BCD number (CC information element)<br>GSM 04.08, 10.5.4.7. Used in SMS-SUBMIT (ms->n) |          |
| Element Name               | Element Value                                                                                       | Comments |
| iei                        | OMIT                                                                                                |          |
| iel                        | '00'O                                                                                               |          |
| tonnpi                     | OMIT                                                                                                |          |
| digits                     | OMIT                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                     |          |

| Structured Type Constraint |                                                                         |          |
|----------------------------|-------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RpDestAddr_03(rpda: BCDN)                                               |          |
| <b>Structured Type:</b>    | CDPN                                                                    |          |
| <b>Derivation Path:</b>    |                                                                         |          |
| <b>Comments:</b>           | Called party BCD number (CC information element)<br>GSM 04.08, 10.5.4.7 |          |
| Element Name               | Element Value                                                           | Comments |
| iei                        | OMIT                                                                    |          |
| iel                        | ?                                                                       |          |
| tonnpi                     | ?                                                                       |          |
| digits                     | rpda                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                         |          |

| Structured Type Constraint |                                                              |          |
|----------------------------|--------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Tppid_01                                                     |          |
| <b>Structured Type:</b>    | TPPID                                                        |          |
| <b>Derivation Path:</b>    |                                                              |          |
| <b>Comments:</b>           | TP protocol identifier,GSM 03.40, 9.2.3.9<br>default value 0 |          |
| Element Name               | Element Value                                                | Comments |
| type                       | '00'B                                                        |          |
| value                      | '000000'B                                                    |          |
| <b>Detailed Comments:</b>  |                                                              |          |

| Structured Type Constraint |                                                              |          |
|----------------------------|--------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Tppid_02(smtype: INTEGER)                                    |          |
| <b>Structured Type:</b>    | TPPID                                                        |          |
| <b>Derivation Path:</b>    |                                                              |          |
| <b>Comments:</b>           | TP protocol identifier,GSM 03.40, 9.2.3.9<br>default value 0 |          |
| Element Name               | Element Value                                                | Comments |
| type                       | '01'B                                                        |          |
| value                      | INT_TO_BIT(smtype, 6)                                        |          |
| <b>Detailed Comments:</b>  |                                                              |          |

| Structured Type Constraint |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Tpdcs_01                                                      |          |
| <b>Structured Type:</b>    | TPDCS                                                         |          |
| <b>Derivation Path:</b>    |                                                               |          |
| <b>Comments:</b>           | SMS data coding scheme, GSM 03.38, 4, 5<br>default value is 0 |          |
| Element Name               | Element Value                                                 | Comments |
| cg                         | '0000'B                                                       |          |
| code                       | '0000'B                                                       |          |
| <b>Detailed Comments:</b>  |                                                               |          |

| Structured Type Constraint |                                                    |          |
|----------------------------|----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Tpdcs_02                                           |          |
| <b>Structured Type:</b>    | TPDCS                                              |          |
| <b>Derivation Path:</b>    |                                                    |          |
| <b>Comments:</b>           | SMS data coding scheme, GSM 03.38, 4, 5<br>class 2 |          |
| Element Name               | Element Value                                      | Comments |
| cg                         | '1111'B                                            |          |
| code                       | '0010'B                                            |          |
| <b>Detailed Comments:</b>  |                                                    |          |

| Structured Type Constraint |                                                    |          |
|----------------------------|----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Tpdcs_03                                           |          |
| <b>Structured Type:</b>    | TPDCS                                              |          |
| <b>Derivation Path:</b>    |                                                    |          |
| <b>Comments:</b>           | SMS data coding scheme, GSM 03.38, 4, 5<br>class 1 |          |
| Element Name               | Element Value                                      | Comments |
| cg                         | '1111'B                                            |          |
| code                       | '0001'B                                            |          |
| <b>Detailed Comments:</b>  |                                                    |          |

| Structured Type Constraint |                                                    |          |
|----------------------------|----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Tpdcs_04                                           |          |
| <b>Structured Type:</b>    | TPDCS                                              |          |
| <b>Derivation Path:</b>    |                                                    |          |
| <b>Comments:</b>           | SMS data coding scheme, GSM 03.38, 4, 5<br>class 0 |          |
| Element Name               | Element Value                                      | Comments |
| cg                         | '1111'B                                            |          |
| code                       | '0000'B                                            |          |
| <b>Detailed Comments:</b>  |                                                    |          |

| Structured Type Constraint |                                                                      |          |
|----------------------------|----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Tpdcs_05                                                             |          |
| <b>Structured Type:</b>    | TPDCS                                                                |          |
| <b>Derivation Path:</b>    |                                                                      |          |
| <b>Comments:</b>           | SMS data coding scheme, GSM 03.38, 4, 5<br>default alphabet, english |          |
| Element Name               | Element Value                                                        | Comments |
| cg                         | '0000'B                                                              |          |
| code                       | '0001'B                                                              |          |
| <b>Detailed Comments:</b>  |                                                                      |          |

| Structured Type Constraint |                                   |          |
|----------------------------|-----------------------------------|----------|
| <b>Constraint Name:</b>    | TpStatus_01                       |          |
| <b>Structured Type:</b>    | TPST                              |          |
| <b>Derivation Path:</b>    |                                   |          |
| <b>Comments:</b>           | Short message received by the SME |          |
| Element Name               | Element Value                     | Comments |
| sprb1<br>value             | '0'B<br>'0000000'B                |          |
| <b>Detailed Comments:</b>  |                                   |          |

| Structured Type Constraint                                               |                                                                                                                       |          |
|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>                                                  | TpCommand_01(tpmr: MR)                                                                                                |          |
| <b>Structured Type:</b>                                                  | SMCMD                                                                                                                 |          |
| <b>Derivation Path:</b>                                                  |                                                                                                                       |          |
| <b>Comments:</b>                                                         | Enquiry related to previously submitted short message                                                                 |          |
| Element Name                                                             | Element Value                                                                                                         | Comments |
| sprb1<br>srr<br>sprb2<br>mti<br>mr<br>pid<br>ct<br>mn<br>da<br>cdl<br>cd | '00'B<br>'0'B<br>'000'B<br>'10'B<br>OC_IntToOct(OC_OctToInt(tpmr) + 1, 1)<br>Tppid_01<br>'00'O<br>tpmr<br>?<br>?<br>? |          |
| <b>Detailed Comments:</b>                                                |                                                                                                                       |          |

| Structured Type Constraint                                               |                                                                                                                       |          |
|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>                                                  | TpCommand_02(tpmr: MR)                                                                                                |          |
| <b>Structured Type:</b>                                                  | SMCMD                                                                                                                 |          |
| <b>Derivation Path:</b>                                                  |                                                                                                                       |          |
| <b>Comments:</b>                                                         | Delete previously submitted short message                                                                             |          |
| Element Name                                                             | Element Value                                                                                                         | Comments |
| sprb1<br>srr<br>sprb2<br>mti<br>mr<br>pid<br>ct<br>mn<br>da<br>cdl<br>cd | '00'B<br>'0'B<br>'000'B<br>'10'B<br>OC_IntToOct(OC_OctToInt(tpmr) + 1, 1)<br>Tppid_01<br>'02'O<br>tpmr<br>?<br>?<br>? |          |
| <b>Detailed Comments:</b>                                                |                                                                                                                       |          |

## ASN1 type constraints

| ASN.1 Type Constraint Declaration |                                                                                                                                                                               |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>           | ActivateSS_01                                                                                                                                                                 |
| <b>ASN.1 Type:</b>                | Component                                                                                                                                                                     |
| <b>Derivation Path:</b>           |                                                                                                                                                                               |
| <b>Comments:</b>                  | CF all synchronous services                                                                                                                                                   |
| Constraint Value                  |                                                                                                                                                                               |
| activateSSComponents              | <pre> activateSS_InvokeComp {   invokeID          ?,   localValue        12,   ss_ForBS   {     ss_Code          '20'H,     basicService     bearerService '68'H   } } </pre> |
| <b>Detailed Comments:</b>         |                                                                                                                                                                               |

| ASN.1 Type Constraint Declaration |                                                                                                                                     |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>           | ActivateSS_02                                                                                                                       |
| <b>ASN.1 Type:</b>                | Component                                                                                                                           |
| <b>Derivation Path:</b>           |                                                                                                                                     |
| <b>Comments:</b>                  | CFU all basic services                                                                                                              |
| Constraint Value                  |                                                                                                                                     |
| activateSSComponents              | <pre> activateSS_InvokeComp {   invokeID          ?,   localValue        12,   ss_ForBS   {     ss_Code          '21'H   } } </pre> |
| <b>Detailed Comments:</b>         |                                                                                                                                     |

| ASN.1 Type Constraint Declaration |                                                                                                                                                                               |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>           | ActivateSS_03                                                                                                                                                                 |
| <b>ASN.1 Type:</b>                | Component                                                                                                                                                                     |
| <b>Derivation Path:</b>           |                                                                                                                                                                               |
| <b>Comments:</b>                  | BAOC all synchronous services                                                                                                                                                 |
| Constraint Value                  |                                                                                                                                                                               |
| activateSSComponents              | <pre> activateSS_InvokeComp {   invokeID          ?,   localValue        12,   ss_ForBS   {     ss_Code          '92'H,     basicService     bearerService '68'H   } } </pre> |
| <b>Detailed Comments:</b>         |                                                                                                                                                                               |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                                                                                                                                          |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | ActivateSS_04                                                                                                                                                                                                                                            |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                                                                                                                                                |
| <b>Derivation Path:</b>                  |                                                                                                                                                                                                                                                          |
| <b>Comments:</b>                         | BIC-Roam                                                                                                                                                                                                                                                 |
| <b>Constraint Value</b>                  |                                                                                                                                                                                                                                                          |
| activateSSComponents                     | <pre> activateSS_InvokeComp {   invokeID          ?,   localValue        12,   ss_ForBS          {                     {                       ss_Code          '9B'H -- BIC-Roam                     }                   } }                     </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                                                                                                                                          |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                                                                                                                              |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | ActivateSS_05                                                                                                                                                                                                                                |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                                                                                                                                    |
| <b>Derivation Path:</b>                  |                                                                                                                                                                                                                                              |
| <b>Comments:</b>                         | BOIC                                                                                                                                                                                                                                         |
| <b>Constraint Value</b>                  |                                                                                                                                                                                                                                              |
| activateSSComponents                     | <pre> activateSS_InvokeComp {   invokeID          ?,   localValue        12,   ss_ForBS          {                     {                       ss_Code          '93'H                     }                   } }                     </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                                                                                                                              |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                                                                                                                              |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | ActivateSS_06                                                                                                                                                                                                                                |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                                                                                                                                    |
| <b>Derivation Path:</b>                  |                                                                                                                                                                                                                                              |
| <b>Comments:</b>                         | BAIC                                                                                                                                                                                                                                         |
| <b>Constraint Value</b>                  |                                                                                                                                                                                                                                              |
| activateSSComponents                     | <pre> activateSS_InvokeComp {   invokeID          ?,   localValue        12,   ss_ForBS          {                     {                       ss_Code          '9A'H                     }                   } }                     </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                                                                                                                              |

| <b>ASN.1 Type Constraint Declaration</b> |                                                         |
|------------------------------------------|---------------------------------------------------------|
| <b>Constraint Name:</b>                  | BldMptySS_01                                            |
| <b>ASN.1 Type:</b>                       | Component                                               |
| <b>Derivation Path:</b>                  |                                                         |
| <b>Comments:</b>                         | build multiparty request                                |
| <b>Constraint Value</b>                  |                                                         |
| buildMPTYComponents buildMPTY_InvokeComp | <pre> {   invokeID      ?,   localValue    124 } </pre> |
| <b>Detailed Comments:</b>                |                                                         |

| <b>ASN.1 Type Constraint Declaration</b>       |                                                                                                                                        |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                        | DeactivateSS_01                                                                                                                        |
| <b>ASN.1 Type:</b>                             | Component                                                                                                                              |
| <b>Derivation Path:</b>                        |                                                                                                                                        |
| <b>Comments:</b>                               | CFC for speech                                                                                                                         |
| <b>Constraint Value</b>                        |                                                                                                                                        |
| deactivateSSComponents deactivateSS_InvokeComp | <pre> {   invokeID      ?,   localValue    13,   ss_ForBS     {     ss_Code     '28'H,     basicService teleservice '10'H   } } </pre> |
| <b>Detailed Comments:</b>                      |                                                                                                                                        |

| <b>ASN.1 Type Constraint Declaration</b>       |                                                                                                                                        |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                        | DeactivateSS_02                                                                                                                        |
| <b>ASN.1 Type:</b>                             | Component                                                                                                                              |
| <b>Derivation Path:</b>                        |                                                                                                                                        |
| <b>Comments:</b>                               | CFNRc for all facsimile                                                                                                                |
| <b>Constraint Value</b>                        |                                                                                                                                        |
| deactivateSSComponents deactivateSS_InvokeComp | <pre> {   invokeID      ?,   localValue    13,   ss_ForBS     {     ss_Code     '2B'H,     basicService teleservice '60'H   } } </pre> |
| <b>Detailed Comments:</b>                      |                                                                                                                                        |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                                                  |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | DeactivateSS_03                                                                                                                                                  |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                                                        |
| <b>Derivation Path:</b>                  |                                                                                                                                                                  |
| <b>Comments:</b>                         | deactivation for barring                                                                                                                                         |
| <b>Constraint Value</b>                  |                                                                                                                                                                  |
| deactivateSSComponents                   | <pre> deactivateSS_InvokeComp {   invokeID          ?,   localValue        13,   ss_ForBS   {     ss_Code '90'H,     basicService teleservice '10'H   } } </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                                                  |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                                                  |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | DeactivateSS_04                                                                                                                                                  |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                                                        |
| <b>Derivation Path:</b>                  |                                                                                                                                                                  |
| <b>Comments:</b>                         | deactivation for barring of outgoing calls                                                                                                                       |
| <b>Constraint Value</b>                  |                                                                                                                                                                  |
| deactivateSSComponents                   | <pre> deactivateSS_InvokeComp {   invokeID          ?,   localValue        13,   ss_ForBS   {     ss_Code '91'H,     basicService teleservice '60'H   } } </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                                                  |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                              |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | DeactivateSS_05                                                                                                              |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                    |
| <b>Derivation Path:</b>                  |                                                                                                                              |
| <b>Comments:</b>                         | deactivation for barring of incoming calls                                                                                   |
| <b>Constraint Value</b>                  |                                                                                                                              |
| deactivateSSComponents                   | <pre> deactivateSS_InvokeComp {   invokeID          ?,   localValue        13,   ss_ForBS   {     ss_Code '99'H   } } </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                              |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                      |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | DeactivateSS_06                                                                                                                      |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                            |
| <b>Derivation Path:</b>                  |                                                                                                                                      |
| <b>Comments:</b>                         | deactivation for BOICExHC                                                                                                            |
| <b>Constraint Value</b>                  |                                                                                                                                      |
| deactivateSSComponents                   | <pre> deactivateSS_InvokeComp {   invokeID          ?,   localValue        13,   ss_ForBS   {     ss_Code         '94'H   } } </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                      |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                                                        |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | EraseSS_01                                                                                                                                                             |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                                                              |
| <b>Derivation Path:</b>                  |                                                                                                                                                                        |
| <b>Comments:</b>                         | CFC for all facsimile                                                                                                                                                  |
| <b>Constraint Value</b>                  |                                                                                                                                                                        |
| eraseSSComponents                        | <pre> eraseSS_InvokeComp {   invokeID          ?,   localValue        11,   ss_ForBS   {     ss_Code         '28'H,     basicService    teleservice '60'H   } } </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                                                        |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                 |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | EraseSS_02                                                                                                                      |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                       |
| <b>Derivation Path:</b>                  |                                                                                                                                 |
| <b>Comments:</b>                         | CFNRc for all basic services                                                                                                    |
| <b>Constraint Value</b>                  |                                                                                                                                 |
| eraseSSComponents                        | <pre> eraseSS_InvokeComp {   invokeID          ?,   localValue        11,   ss_ForBS   {     ss_Code         '2B'H   } } </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                 |



| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                                             |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | EraseSS_03                                                                                                                                                  |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                                                   |
| <b>Derivation Path:</b>                  |                                                                                                                                                             |
| <b>Comments:</b>                         | CFU for speech                                                                                                                                              |
| <b>Constraint Value</b>                  |                                                                                                                                                             |
| eraseSSComponents                        | <pre> eraseSS_InvokeComp {   invokeID          ?,   localValue        11,   ss_ForBS   {     ss_Code '21'H,     basicService teleservice '10'H   } } </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                                             |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                                             |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | EraseSS_04                                                                                                                                                  |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                                                   |
| <b>Derivation Path:</b>                  |                                                                                                                                                             |
| <b>Comments:</b>                         | CFNRy for all facsimile                                                                                                                                     |
| <b>Constraint Value</b>                  |                                                                                                                                                             |
| eraseSSComponents                        | <pre> eraseSS_InvokeComp {   invokeID          ?,   localValue        11,   ss_ForBS   {     ss_Code '2A'H,     basicService teleservice '60'H   } } </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                                             |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                                                                                                                                                                       |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | FwdCharg_01                                                                                                                                                                                                                                                                           |
| <b>ASN.1 Type:</b>                       | Components                                                                                                                                                                                                                                                                            |
| <b>Derivation Path:</b>                  |                                                                                                                                                                                                                                                                                       |
| <b>Comments:</b>                         |                                                                                                                                                                                                                                                                                       |
| <b>Constraint Value</b>                  |                                                                                                                                                                                                                                                                                       |
| forwardChargeAdviceComponents            | <pre> forwardChargeAdvice_InvokeComp {   invokeID          1,   localValue        125,   forwardChargeAdviceArg   {     ss_Code '72'H ,     chargingInformation     {       e1  6,       e2  14,       e3  1,       e4  25,       e5  0,       e6  0,       e7  60     }   } } </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                                                                                                                                                                       |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                               |
|------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | FwdChAdvRslt_01                                                                               |
| <b>ASN.1 Type:</b>                       | Component                                                                                     |
| <b>Derivation Path:</b>                  |                                                                                               |
| <b>Comments:</b>                         |                                                                                               |
| <b>Constraint Value</b>                  |                                                                                               |
| forwardChargeAdviceComponents            | forwardChargeAdvice_ReturnResultComp<br><pre> {   invokeID      0,   result        * } </pre> |
| <b>Detailed Comments:</b>                |                                                                                               |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                           |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | GetPasswdRslt_01                                                                                                                          |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                                 |
| <b>Derivation Path:</b>                  |                                                                                                                                           |
| <b>Comments:</b>                         |                                                                                                                                           |
| <b>Constraint Value</b>                  |                                                                                                                                           |
| getPasswordComponents                    | getPassword_ReturnResultComp<br><pre> {   invokeID      0,   result        {     localValue   18,     currentPassword "1234"   } } </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                           |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                           |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | GetPasswdRslt_02                                                                                                                          |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                                 |
| <b>Derivation Path:</b>                  |                                                                                                                                           |
| <b>Comments:</b>                         |                                                                                                                                           |
| <b>Constraint Value</b>                  |                                                                                                                                           |
| getPasswordComponents                    | getPassword_ReturnResultComp<br><pre> {   invokeID      0,   result        {     localValue   18,     currentPassword "9876"   } } </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                           |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                          |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | GetPasswdRslt_03                                                                                                                         |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                                |
| <b>Derivation Path:</b>                  |                                                                                                                                          |
| <b>Comments:</b>                         |                                                                                                                                          |
| <b>Constraint Value</b>                  |                                                                                                                                          |
| getPasswordComponents                    | <pre> getPassword_ReturnResultComp {   invokeID          0,   result   {     localValue      18,     currentPassword "9877"   } } </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                          |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                        |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | InterrogateSS_01                                                                                                                       |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                              |
| <b>Derivation Path:</b>                  |                                                                                                                                        |
| <b>Comments:</b>                         | CFB for all basic services                                                                                                             |
| <b>Constraint Value</b>                  |                                                                                                                                        |
| interrogateSSComponents                  | <pre> interrogateSS_InvokeComp {   invokeID          ?,   localValue        14,   ss_ForBS   {     ss_Code          '29'H   } } </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                        |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                                                                        |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | InterrogateSS_02                                                                                                                                                                       |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                                                                              |
| <b>Derivation Path:</b>                  |                                                                                                                                                                                        |
| <b>Comments:</b>                         | CFNRy for Speech                                                                                                                                                                       |
| <b>Constraint Value</b>                  |                                                                                                                                                                                        |
| interrogateSSComponents                  | <pre> interrogateSS_InvokeComp {   invokeID          ?,   localValue        14,   ss_ForBS   {     ss_Code          '2A'H, --CNFRy     basicService     teleservice '10'H   } } </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                                                                        |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                              |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | InterrogateSS_03                                                                                                                             |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                                    |
| <b>Derivation Path:</b>                  |                                                                                                                                              |
| <b>Comments:</b>                         | CFNRc for all basic services                                                                                                                 |
| <b>Constraint Value</b>                  |                                                                                                                                              |
| interrogateSSComponents                  | interrogateSS_InvokeComp<br><pre> {   invokeID          ?,   localValue        14,   ss_ForBS     {       ss_Code       '2B'H     } } </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                              |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                                                                     |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | InterrogateSS_04                                                                                                                                                                    |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                                                                           |
| <b>Derivation Path:</b>                  |                                                                                                                                                                                     |
| <b>Comments:</b>                         | CFB for all facsimile                                                                                                                                                               |
| <b>Constraint Value</b>                  |                                                                                                                                                                                     |
| interrogateSSComponents                  | interrogateSS_InvokeComp<br><pre> {   invokeID          ?,   localValue        14,   ss_ForBS     {       ss_Code       '29'H,       basicService  teleservice '60'H     } } </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                                                                     |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                              |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | InterrogateSS_05                                                                                                                             |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                                    |
| <b>Derivation Path:</b>                  |                                                                                                                                              |
| <b>Comments:</b>                         | BICRoam                                                                                                                                      |
| <b>Constraint Value</b>                  |                                                                                                                                              |
| interrogateSSComponents                  | interrogateSS_InvokeComp<br><pre> {   invokeID          ?,   localValue        14,   ss_ForBS     {       ss_Code       '9B'H     } } </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                              |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                                           |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | InterrogateSS_06                                                                                                                                          |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                                                 |
| <b>Derivation Path:</b>                  |                                                                                                                                                           |
| <b>Comments:</b>                         | BOIC                                                                                                                                                      |
| <b>Constraint Value</b>                  |                                                                                                                                                           |
| interrogateSSComponents                  | <pre> interrogateSS_InvokeComp {   invokeID          ?,   localValue        14,   ss_ForBS   {     ss_Code         '93'H   } }                     </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                                           |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                                           |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | InterrogateSS_07                                                                                                                                          |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                                                 |
| <b>Derivation Path:</b>                  |                                                                                                                                                           |
| <b>Comments:</b>                         | BAIC                                                                                                                                                      |
| <b>Constraint Value</b>                  |                                                                                                                                                           |
| interrogateSSComponents                  | <pre> interrogateSS_InvokeComp {   invokeID          ?,   localValue        14,   ss_ForBS   {     ss_Code         '9A'H   } }                     </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                                           |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                                           |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | InterrogateSS_08                                                                                                                                          |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                                                 |
| <b>Derivation Path:</b>                  |                                                                                                                                                           |
| <b>Comments:</b>                         | BOICExHC                                                                                                                                                  |
| <b>Constraint Value</b>                  |                                                                                                                                                           |
| interrogateSSComponents                  | <pre> interrogateSS_InvokeComp {   invokeID          ?,   localValue        14,   ss_ForBS   {     ss_Code         '94'H   } }                     </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                                           |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                           |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | NotificationSS_07(Invkid: OCTETSTRING)                                                                                                    |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                                 |
| <b>Derivation Path:</b>                  |                                                                                                                                           |
| <b>Comments:</b>                         |                                                                                                                                           |
| <b>Constraint Value</b>                  |                                                                                                                                           |
| unstructuredSSNotifyComponents           | <pre> unstructuredSSNotify_ReturnResultComp {   invokeID      OC_OctToInvokeIDType(Invkid),   result   {     localValue   61   } } </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                           |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                                        |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | NotificationSS_09(Invkid: OCTETSTRING)                                                                                                                 |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                                              |
| <b>Derivation Path:</b>                  |                                                                                                                                                        |
| <b>Comments:</b>                         |                                                                                                                                                        |
| <b>Constraint Value</b>                  |                                                                                                                                                        |
| unstructuredSSNotifyComponents           | <pre> unstructuredSSNotify_ReturnErrorComp {   errorCodes   {     invokeID      OC_OctToInvokeIDType(Invkid),     errorCode     ussd_Busy   } } </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                                        |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                                                                                                                                   |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | RegisterSS_01                                                                                                                                                                                                                                     |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                                                                                                                                         |
| <b>Derivation Path:</b>                  |                                                                                                                                                                                                                                                   |
| <b>Comments:</b>                         | CFNRy Speech                                                                                                                                                                                                                                      |
| <b>Constraint Value</b>                  |                                                                                                                                                                                                                                                   |
| registerSSComponents                     | <pre> registerSS_InvokeComp {   invokeID      ?,   localValue    10,   registerSS_Arg   {     ss_Code      '2A'H,     basicService teleservice '10'H,     forwardedToNumber '91342143'H, -- International     noReplyConditionTime 5   } } </pre> |
| Number + Country code                    |                                                                                                                                                                                                                                                   |
| <b>Detailed Comments:</b>                |                                                                                                                                                                                                                                                   |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                                                                                                                    |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | RegisterSS_02                                                                                                                                                                                                                      |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                                                                                                                          |
| <b>Derivation Path:</b>                  |                                                                                                                                                                                                                                    |
| <b>Comments:</b>                         | CFU                                                                                                                                                                                                                                |
| <b>Constraint Value</b>                  |                                                                                                                                                                                                                                    |
| registerSSComponents                     | <pre> registerSS_InvokeComp {   invokeID          ?,   localValue       10,   registerSS_Arg   {     ss_Code         '21'H,     basicService    teleservice '60'H,     forwardedToNumber '91342143'H -- International   } } </pre> |
| Number + Country code                    |                                                                                                                                                                                                                                    |
| <b>Detailed Comments:</b>                |                                                                                                                                                                                                                                    |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                                                                                                                      |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | RegisterSS_03                                                                                                                                                                                                                        |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                                                                                                                            |
| <b>Derivation Path:</b>                  |                                                                                                                                                                                                                                      |
| <b>Comments:</b>                         | CFB                                                                                                                                                                                                                                  |
| <b>Constraint Value</b>                  |                                                                                                                                                                                                                                      |
| registerSSComponents                     | <pre> registerSS_InvokeComp {   invokeID          ?,   localValue       10,   registerSS_Arg   {     ss_Code         '29'H,     basicService    bearerService '60'H,     forwardedToNumber '91342143'H -- International   } } </pre> |
| Number + Country code                    |                                                                                                                                                                                                                                      |
| <b>Detailed Comments:</b>                |                                                                                                                                                                                                                                      |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                                                                                                                    |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | RegisterSS_04                                                                                                                                                                                                                      |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                                                                                                                          |
| <b>Derivation Path:</b>                  |                                                                                                                                                                                                                                    |
| <b>Comments:</b>                         | CF for all facsimile                                                                                                                                                                                                               |
| <b>Constraint Value</b>                  |                                                                                                                                                                                                                                    |
| registerSSComponents                     | <pre> registerSS_InvokeComp {   invokeID          ?,   localValue       10,   registerSS_Arg   {     ss_Code         '20'H,     basicService    teleservice '60'H,     forwardedToNumber '91342143'H -- International   } } </pre> |
| Number + Country code                    |                                                                                                                                                                                                                                    |
| <b>Detailed Comments:</b>                |                                                                                                                                                                                                                                    |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                        |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | RegPasswdSS_01                                                                                                         |
| <b>ASN.1 Type:</b>                       | Component                                                                                                              |
| <b>Derivation Path:</b>                  |                                                                                                                        |
| <b>Comments:</b>                         | All call restriction services.                                                                                         |
| <b>Constraint Value</b>                  |                                                                                                                        |
| registerPasswordComponents               | <pre> registerPassword_InvokeComp {   invokeID          ?,   localValue        17,   ss_Code            '90'H } </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                        |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                     |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | ProcessUSSData_01(ussdString: IA5String)                                                                                            |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                           |
| <b>Derivation Path:</b>                  |                                                                                                                                     |
| <b>Comments:</b>                         |                                                                                                                                     |
| <b>Constraint Value</b>                  |                                                                                                                                     |
| processUnstructuredSSDataComponents      | <pre> processUnstructuredSSData_InvokeComp {   invokeID          ?,   localValue        19,   ss_UserData       ussdString } </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                     |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                                                                                                                |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | ProcessUSSReq_01(ussdString: IA5String)                                                                                                                                                                                        |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                                                                                                                      |
| <b>Derivation Path:</b>                  |                                                                                                                                                                                                                                |
| <b>Comments:</b>                         |                                                                                                                                                                                                                                |
| <b>Constraint Value</b>                  |                                                                                                                                                                                                                                |
| processUnstructuredSSRequestComponents   | <pre> processUnstructuredSSRequest_InvokeComp {   invokeID          ?,   localValue        59,   ussd_Arg          {     ussd_DataCodingScheme 'F0'O,     ussd_String           OC_CodingOfUssdString(ussdString)   } } </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                                                                                                                |



| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                                                                                                                                                                               |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | ProcessUSSDReq_04( Invkid :OCTETSTRING; ussdString: IA5String)                                                                                                                                                                                                                                |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                                                                                                                                                                                     |
| <b>Derivation Path:</b>                  |                                                                                                                                                                                                                                                                                               |
| <b>Comments:</b>                         | ReturnResult for Process Unstructured SS request without information to the user                                                                                                                                                                                                              |
| <b>Constraint Value</b>                  |                                                                                                                                                                                                                                                                                               |
| processUnstructuredSSRequestComponents   | <pre> processUnstructuredSSRequest_ReturnResultComp {   invokeID          OC_OctToInvokeIDType(Invkid),   result   {     localValue      59,     ussd_Res     {       ussd_DataCodingScheme 'F0'O,       ussd_String OC_CodingOfUssdString(ussdString)     }   } }                     </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                                                                                                                                                                               |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                                                                                                                                                                        |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | USSDReq_04( Invkid :OCTETSTRING; ussdString: IA5String)                                                                                                                                                                                                                                |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                                                                                                                                                                              |
| <b>Derivation Path:</b>                  |                                                                                                                                                                                                                                                                                        |
| <b>Comments:</b>                         | ReturnResult for Unstructured SS request                                                                                                                                                                                                                                               |
| <b>Constraint Value</b>                  |                                                                                                                                                                                                                                                                                        |
| unstructuredSSRequestComponents          | <pre> unstructuredSSRequest_ReturnResultComp {   invokeID          OC_OctToInvokeIDType(Invkid),   result   {     localValue      60,     ussd_Res     {       ussd_DataCodingScheme 'F0'O,       ussd_String OC_CodingOfUssdString(ussdString)     }   } }                     </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                                                                                                                                                                        |

| <b>ASN.1 Type Constraint Declaration</b> |                                                                                                                                                                       |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint Name:</b>                  | USSDReq_05( Invkid :OCTETSTRING)                                                                                                                                      |
| <b>ASN.1 Type:</b>                       | Component                                                                                                                                                             |
| <b>Derivation Path:</b>                  |                                                                                                                                                                       |
| <b>Comments:</b>                         | Return Error for UnstructuredSS-Request with the error code USSD Busy                                                                                                 |
| <b>Constraint Value</b>                  |                                                                                                                                                                       |
| unstructuredSSRequestComponents          | <pre> unstructuredSSRequest_ReturnErrorComp errorCodes {   invokeID          OC_OctToInvokeIDType(Invkid),   errorCode         ussd_Busy }                     </pre> |
| <b>Detailed Comments:</b>                |                                                                                                                                                                       |

## ASP constraint declarations

### TTCN ASP constraint declarations

| ASP Constraint Declaration |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | Abort_01(ch: LOGICCH; par: REJCAU) |          |
| <b>ASP Type:</b>           | DL_DatRqAbrt                       |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           | To send an Abort message.          |          |
| Parameter Name             | Parameter Value                    | Comments |
| sapi                       | C_Sap0                             |          |
| logic_ch                   | ch                                 |          |
| msg                        | Abortmsg_01(par)                   |          |
| <b>Detailed Comments:</b>  |                                    |          |

| ASP Constraint Declaration |                             |          |
|----------------------------|-----------------------------|----------|
| <b>Constraint Name:</b>    | Alert_01(Ti:Ti; ch:LOGICCH) |          |
| <b>ASP Type:</b>           | DL_DatRqAlert               |          |
| <b>Derivation Path:</b>    |                             |          |
| <b>Comments:</b>           | To send a ALERTING message  |          |
| Parameter Name             | Parameter Value             | Comments |
| sapi                       | C_Sap0                      |          |
| logic_ch                   | ch                          |          |
| msg                        | Alerting_01(Ti)             |          |
| <b>Detailed Comments:</b>  |                             |          |

| ASP Constraint Declaration |                                                   |          |
|----------------------------|---------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Alert_02(Ti:Ti; ch:LOGICCH)                       |          |
| <b>ASP Type:</b>           | DL_DatRqAlert                                     |          |
| <b>Derivation Path:</b>    |                                                   |          |
| <b>Comments:</b>           | To send a ALERTING message containing facility IE |          |
| Parameter Name             | Parameter Value                                   | Comments |
| sapi                       | C_Sap0                                            |          |
| logic_ch                   | ch                                                |          |
| msg                        | Alerting_04(Ti)                                   |          |
| <b>Detailed Comments:</b>  |                                                   |          |

| ASP Constraint Declaration |                                        |          |
|----------------------------|----------------------------------------|----------|
| <b>Constraint Name:</b>    | AlertRcv_01                            |          |
| <b>ASP Type:</b>           | DL_DatInAlert                          |          |
| <b>Derivation Path:</b>    |                                        |          |
| <b>Comments:</b>           | To match any received ALERTING message |          |
| Parameter Name             | Parameter Value                        | Comments |
| sapi                       | C_Sap0                                 |          |
| logic_ch                   | ?                                      |          |
| msg                        | AlertingInd_01                         |          |
| fn                         | ?                                      |          |
| <b>Detailed Comments:</b>  |                                        |          |

| ASP Constraint Declaration |                                |          |
|----------------------------|--------------------------------|----------|
| <b>Constraint Name:</b>    | AlertRcv(pdu: ALERT_PDU)       |          |
| <b>ASP Type:</b>           | DL_DatInAlert                  |          |
| <b>Derivation Path:</b>    |                                |          |
| <b>Comments:</b>           | To receive an ALERTING message |          |
| Parameter Name             | Parameter Value                | Comments |
| sapi                       | C_Sap0                         |          |
| logic_ch                   | ?                              |          |
| msg                        | pdu                            |          |
| fn                         | ?                              |          |
| <b>Detailed Comments:</b>  |                                |          |

| ASP Constraint Declaration |                                      |          |
|----------------------------|--------------------------------------|----------|
| <b>Constraint Name:</b>    | AlertSnd(ch:LOGICCH; pdu: ALERT_PDU) |          |
| <b>ASP Type:</b>           | DL_DatRqAlert                        |          |
| <b>Derivation Path:</b>    |                                      |          |
| <b>Comments:</b>           | To send an ALERTING message          |          |
| Parameter Name             | Parameter Value                      | Comments |
| sapi                       | C_Sap0                               |          |
| logic_ch                   | ch                                   |          |
| msg                        | pdu                                  |          |
| <b>Detailed Comments:</b>  |                                      |          |

| ASP Constraint Declaration |                                                                            |          |
|----------------------------|----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AssCmd(ch:LOGICCH; pdu: ASS_CMD_PDU)                                       |          |
| <b>ASP Type:</b>           | DL_DatRqAssCmd                                                             |          |
| <b>Derivation Path:</b>    |                                                                            |          |
| <b>Comments:</b>           | To send an ASSIGNMENT COMMAND message which is assigned in send statement. |          |
| Parameter Name             | Parameter Value                                                            | Comments |
| sapi                       | C_Sap0                                                                     |          |
| logic_ch                   | ch                                                                         |          |
| msg                        | pdu                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                            |          |

| ASP Constraint Declaration |                                                   |          |
|----------------------------|---------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AssCmp_02(ch:LOGICCH)                             |          |
| <b>ASP Type:</b>           | DL_DatInAssCom                                    |          |
| <b>Derivation Path:</b>    |                                                   |          |
| <b>Comments:</b>           | To match any received ASSIGNMENT COMPLETE message |          |
| Parameter Name             | Parameter Value                                   | Comments |
| sapi                       | C_Sap0                                            |          |
| logic_ch                   | ch                                                |          |
| msg                        | AsgnCmp_02                                        |          |
| fn                         | ?                                                 |          |
| <b>Detailed Comments:</b>  |                                                   |          |

| ASP Constraint Declaration |                          |          |
|----------------------------|--------------------------|----------|
| <b>Constraint Name:</b>    | AssFI_02(ch:LOGICCH)     |          |
| <b>ASP Type:</b>           | DL_DatInAssfl            |          |
| <b>Derivation Path:</b>    |                          |          |
| <b>Comments:</b>           | protocol error undefined |          |
| Parameter Name             | Parameter Value          | Comments |
| sapi                       | C_Sap0                   |          |
| logic_ch                   | ch                       |          |
| msg                        | AssgnFI_02               |          |
| fn                         | ?                        |          |
| <b>Detailed Comments:</b>  |                          |          |

| ASP Constraint Declaration |                            |          |
|----------------------------|----------------------------|----------|
| <b>Constraint Name:</b>    | AssFI_any_cau(ch: LOGICCH) |          |
| <b>ASP Type:</b>           | DL_DatInAssfl              |          |
| <b>Derivation Path:</b>    |                            |          |
| <b>Comments:</b>           |                            |          |
| Parameter Name             | Parameter Value            | Comments |
| sapi                       | C_Sap0                     |          |
| logic_ch                   | ch                         |          |
| msg                        | AssgnFI_01                 |          |
| fn                         | ?                          |          |
| <b>Detailed Comments:</b>  |                            |          |

| ASP Constraint Declaration |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AuthReq(ch: LOGICCH; pdu: AUTH_RQ_PDU)                         |          |
| <b>ASP Type:</b>           | DL_DatRqAuthRq                                                 |          |
| <b>Derivation Path:</b>    |                                                                |          |
| <b>Comments:</b>           | To send an AUTHENTICATION REQUEST message with default values. |          |
| Parameter Name             | Parameter Value                                                | Comments |
| sapi                       | C_Sap0                                                         |          |
| logic_ch                   | ch                                                             |          |
| msg                        | pdu                                                            |          |
| <b>Detailed Comments:</b>  |                                                                |          |

| ASP Constraint Declaration |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AuthReq_01(ch: LOGICCH)                                        |          |
| <b>ASP Type:</b>           | DL_DatRqAuthRq                                                 |          |
| <b>Derivation Path:</b>    |                                                                |          |
| <b>Comments:</b>           | To send an AUTHENTICATION REQUEST message with default values. |          |
| Parameter Name             | Parameter Value                                                | Comments |
| sapi                       | C_Sap0                                                         |          |
| logic_ch                   | ch                                                             |          |
| msg                        | AuthRequest_01                                                 |          |
| <b>Detailed Comments:</b>  |                                                                |          |

| ASP Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AuthReq_02(ch: LOGICCH)                                                                                                                    |          |
| <b>ASP Type:</b>           | DL_DatRqAuthRq                                                                                                                             |          |
| <b>Derivation Path:</b>    | AuthReq_01.                                                                                                                                |          |
| <b>Comments:</b>           | To send an AUTHENTICATION REQUEST message to generate a new ciphering key (TSPX_RANDB) and new ciphering key sequence number (TSPX_CKSNB). |          |
| Parameter Name             | Parameter Value                                                                                                                            | Comments |
| logic_ch                   | ch                                                                                                                                         |          |
| msg                        | AuthRequest_02                                                                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| ASP Constraint Declaration |                                                                                                                                                                                                 |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AuthReq_03(ch:LOGICCH)                                                                                                                                                                          |          |
| <b>ASP Type:</b>           | DL_DatRqAuthRq                                                                                                                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                 |          |
| <b>Comments:</b>           | To send an AUTHENTICATION REQUEST message to generate a new ciphering key and new ciphering key sequence number which are different from default values and values generated by the AuthReq_02. |          |
| Parameter Name             | Parameter Value                                                                                                                                                                                 | Comments |
| sapi                       | C_Sap0                                                                                                                                                                                          |          |
| logic_ch                   | ch                                                                                                                                                                                              |          |
| msg                        | AuthRequest_03                                                                                                                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                 |          |

| ASP Constraint Declaration |                                                                                         |          |
|----------------------------|-----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AuthReq_05(ch: LOGICCH)                                                                 |          |
| <b>ASP Type:</b>           | DL_DatRqAuthRq                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                         |          |
| <b>Comments:</b>           | To send an AUTHENTICATION REQUEST message with CKSN = TSPX_CKSNA and RAND = TSPX_RANDA. |          |
| Parameter Name             | Parameter Value                                                                         | Comments |
| sapi                       | C_Sap0                                                                                  |          |
| logic_ch                   | ch                                                                                      |          |
| msg                        | AuthRequest_05                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                         |          |

| ASP Constraint Declaration |                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AuthReq_30(ch: LOGICCH; cksn: BITSTRING)                                                                     |          |
| <b>ASP Type:</b>           | DL_DatRqAuthRq                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                              |          |
| <b>Comments:</b>           | To send an AUTHENTICATION REQUEST message. Used in MM cases. The CKSN shall be set in the variable TCV_cksn. |          |
| Parameter Name             | Parameter Value                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                       |          |
| logic_ch                   | ch                                                                                                           |          |
| msg                        | AuthRequest_30(cksn)                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                                              |          |

| ASP Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AuthReq_inv_01(ch: LOGICCH)                                               |          |
| <b>ASP Type:</b>           | DL_DatRqAuthRq                                                            |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | To send an AUTHENTICATION REQUEST message containing arbitrary spare bits |          |
| Parameter Name             | Parameter Value                                                           | Comments |
| sapi                       | C_Sap0                                                                    |          |
| logic_ch                   | ch                                                                        |          |
| msg                        | AuthRequest_inv_01                                                        |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| ASP Constraint Declaration |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AuthRej_01(ch: LOGICCH)                                       |          |
| <b>ASP Type:</b>           | DL_DatRqAuthRej                                               |          |
| <b>Derivation Path:</b>    |                                                               |          |
| <b>Comments:</b>           | To send an AUTHENTICATION REJECT message with default values. |          |
| Parameter Name             | Parameter Value                                               | Comments |
| sapi                       | C_Sap0                                                        |          |
| logic_ch                   | ch                                                            |          |
| msg                        | AuthReject_01                                                 |          |
| <b>Detailed Comments:</b>  |                                                               |          |

| ASP Constraint Declaration |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AuthRes(pdu: AUTH_RES_PDU)                                                     |          |
| <b>ASP Type:</b>           | DL_DatInAuthRes                                                                |          |
| <b>Derivation Path:</b>    |                                                                                |          |
| <b>Comments:</b>           | To match any received AUTHENTICATION RESPONSE message which contains any SRES. |          |
| Parameter Name             | Parameter Value                                                                | Comments |
| sapi                       | C_Sap0                                                                         |          |
| logic_ch                   | ?                                                                              |          |
| msg                        | pdu                                                                            |          |
| fn                         | ?                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| ASP Constraint Declaration |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AuthRes_01                                                                     |          |
| <b>ASP Type:</b>           | DL_DatInAuthRes                                                                |          |
| <b>Derivation Path:</b>    |                                                                                |          |
| <b>Comments:</b>           | To match any received AUTHENTICATION RESPONSE message which contains any SRES. |          |
| Parameter Name             | Parameter Value                                                                | Comments |
| sapi                       | C_Sap0                                                                         |          |
| logic_ch                   | ?                                                                              |          |
| msg                        | AuthResponse_01                                                                |          |
| fn                         | ?                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| ASP Constraint Declaration |                                         |          |
|----------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>    | CallCfm(pdu: CALL_CO_PDU)               |          |
| <b>ASP Type:</b>           | DL_DatInCallCo                          |          |
| <b>Derivation Path:</b>    |                                         |          |
| <b>Comments:</b>           | To receive a CC CALL CONFIRMED message. |          |
| Parameter Name             | Parameter Value                         | Comments |
| sapi                       | C_Sap0                                  |          |
| logic_ch                   | ?                                       |          |
| msg                        | pdu                                     |          |
| fn                         | ?                                       |          |
| <b>Detailed Comments:</b>  |                                         |          |

| ASP Constraint Declaration |                                           |          |
|----------------------------|-------------------------------------------|----------|
| <b>Constraint Name:</b>    | CallCfm_01                                |          |
| <b>ASP Type:</b>           | DL_DatInCallCo                            |          |
| <b>Derivation Path:</b>    |                                           |          |
| <b>Comments:</b>           | To receive any CC CALL CONFIRMED message. |          |
| Parameter Name             | Parameter Value                           | Comments |
| sapi                       | C_Sap0                                    |          |
| logic_ch                   | ?                                         |          |
| msg                        | CallConfirm_01                            |          |
| fn                         | ?                                         |          |
| <b>Detailed Comments:</b>  |                                           |          |

| ASP Constraint Declaration |                                           |          |
|----------------------------|-------------------------------------------|----------|
| <b>Constraint Name:</b>    | CallCfm_20                                |          |
| <b>ASP Type:</b>           | DL_DatInCallCo                            |          |
| <b>Derivation Path:</b>    |                                           |          |
| <b>Comments:</b>           | To receive any CC CALL CONFIRMED message. |          |
| Parameter Name             | Parameter Value                           | Comments |
| sapi                       | C_Sap0                                    |          |
| logic_ch                   | ?                                         |          |
| msg                        | CallConfirm_20                            |          |
| fn                         | ?                                         |          |
| <b>Detailed Comments:</b>  |                                           |          |

| ASP Constraint Declaration |                                           |          |
|----------------------------|-------------------------------------------|----------|
| <b>Constraint Name:</b>    | CallProc(ch: LOGICCH; pdu: CALL_PROC_PDU) |          |
| <b>ASP Type:</b>           | DL_DatRqCallProc                          |          |
| <b>Derivation Path:</b>    |                                           |          |
| <b>Comments:</b>           | To send a CALL PROCEEDING message.        |          |
| Parameter Name             | Parameter Value                           | Comments |
| sapi                       | C_Sap0                                    |          |
| logic_ch                   | ch                                        |          |
| msg                        | pdu                                       |          |
| <b>Detailed Comments:</b>  |                                           |          |

| ASP Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CallProc_01( ti :Ti; ch: LOGICCH)                                 |          |
| <b>ASP Type:</b>           | DL_DatRqCallProc                                                  |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | To send a CALL PROCEEDING message containing mandatory IE's only. |          |
| Parameter Name             | Parameter Value                                                   | Comments |
| sapi                       | C_Sap0                                                            |          |
| logic_ch                   | ch                                                                |          |
| msg                        | CallProced_01(ti)                                                 |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| ASP Constraint Declaration |                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CallProc_04( ti :Ti; ch:LOGICCH)                                                           |          |
| <b>ASP Type:</b>           | DL_DatRqCallProc                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                            |          |
| <b>Comments:</b>           | To send a CALL PROCEEDING message with bearer capability 1 assigned in the send statement. |          |
| Parameter Name             | Parameter Value                                                                            | Comments |
| sapi                       | C_Sap0                                                                                     |          |
| logic_ch                   | ch                                                                                         |          |
| msg                        | CallProced_02(ti)                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                            |          |

| ASP Constraint Declaration |                                                                      |          |
|----------------------------|----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CallProc_inv_02(Ti:Ti; ch: LOGICCH)                                  |          |
| <b>ASP Type:</b>           | DL_DatRqCallProc                                                     |          |
| <b>Derivation Path:</b>    |                                                                      |          |
| <b>Comments:</b>           | To send an invalid CC CALL PROCEEDING message containing unknown IEI |          |
| Parameter Name             | Parameter Value                                                      | Comments |
| sapi                       | C_Sap0                                                               |          |
| logic_ch                   | ch                                                                   |          |
| msg                        | CallProced_inv_02(Ti)                                                |          |
| <b>Detailed Comments:</b>  |                                                                      |          |

| ASP Constraint Declaration |                                                    |          |
|----------------------------|----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CCSt_01(Ti:Ti)                                     |          |
| <b>ASP Type:</b>           | DL_DatInCcst                                       |          |
| <b>Derivation Path:</b>    |                                                    |          |
| <b>Comments:</b>           | To match any received STATUS message with TI = Ti. |          |
| Parameter Name             | Parameter Value                                    | Comments |
| sapi                       | C_Sap0                                             |          |
| logic_ch                   | ?                                                  |          |
| msg                        | CCStatus_01(Ti)                                    |          |
| fn                         | ?                                                  |          |
| <b>Detailed Comments:</b>  |                                                    |          |



| ASP Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CCSt_02                                                    |          |
| <b>ASP Type:</b>           | DL_DatInCcst                                               |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | To receive a CC STATUS message containing cause value #97. |          |
| Parameter Name             | Parameter Value                                            | Comments |
| sapi                       | C_Sap0                                                     |          |
| logic_ch                   | ?                                                          |          |
| msg                        | CCStatus_02                                                |          |
| fn                         | ?                                                          |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| ASP Constraint Declaration |                                                           |          |
|----------------------------|-----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CCSt_03(Ti:Ti)                                            |          |
| <b>ASP Type:</b>           | DL_DatInCcst                                              |          |
| <b>Derivation Path:</b>    | CCSt_01.                                                  |          |
| <b>Comments:</b>           | To receive a CC STATUS message containing cause value #98 |          |
| Parameter Name             | Parameter Value                                           | Comments |
| msg                        | CCStatus_03(Ti)                                           |          |
| <b>Detailed Comments:</b>  |                                                           |          |

| ASP Constraint Declaration |                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CCSt_04(Ti:Ti)                                                                            |          |
| <b>ASP Type:</b>           | DL_DatInCcst                                                                              |          |
| <b>Derivation Path:</b>    | CCSt_01.                                                                                  |          |
| <b>Comments:</b>           | To match a received CC STATUS message of which transaction ID is '1000'B and cause is #96 |          |
| Parameter Name             | Parameter Value                                                                           | Comments |
| msg                        | CCStatus_04(Ti)                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                           |          |

| ASP Constraint Declaration |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | CCSt_14(Ti:Ti; st:INTEGER)   |          |
| <b>ASP Type:</b>           | DL_DatInCcst                 |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           | CC state = `st`, cause = #30 |          |
| Parameter Name             | Parameter Value              | Comments |
| sapi                       | C_Sap0                       |          |
| logic_ch                   | ?                            |          |
| msg                        | CCStatus_14(Ti, st)          |          |
| fn                         | ?                            |          |
| <b>Detailed Comments:</b>  |                              |          |

| ASP Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CCSt_inv_01(ch: LOGICCH)                                                  |          |
| <b>ASP Type:</b>           | DL_DatRqCcst                                                              |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | To send a CC STATUS message without mandatory cause IE and call state IE. |          |
| Parameter Name             | Parameter Value                                                           | Comments |
| sapi                       | C_Sap0                                                                    |          |
| logic_ch                   | ch                                                                        |          |
| msg                        | CCStatus_inv_01                                                           |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| ASP Constraint Declaration |                                                |          |
|----------------------------|------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CCStatusEnqSnd(ch: LOGICCH; pdu: CCST_ENQ_PDU) |          |
| <b>ASP Type:</b>           | DL_DatRqCcstEnq                                |          |
| <b>Derivation Path:</b>    |                                                |          |
| <b>Comments:</b>           | To send a STATUS ENQUIRY message.              |          |
| Parameter Name             | Parameter Value                                | Comments |
| sapi                       | C_Sap0                                         |          |
| logic_ch                   | ch                                             |          |
| msg                        | pdu                                            |          |
| <b>Detailed Comments:</b>  |                                                |          |

| ASP Constraint Declaration |                                                          |          |
|----------------------------|----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CCStEq_01(Ti:Ti; ch: LOGICCH)                            |          |
| <b>ASP Type:</b>           | DL_DatRqCcstEnq                                          |          |
| <b>Derivation Path:</b>    |                                                          |          |
| <b>Comments:</b>           | To send a STATUS ENQUIRY message on the channel TCV_ch1. |          |
| Parameter Name             | Parameter Value                                          | Comments |
| sapi                       | C_Sap0                                                   |          |
| logic_ch                   | ch                                                       |          |
| msg                        | CCStatusEq_01(Ti)                                        |          |
| <b>Detailed Comments:</b>  |                                                          |          |

| ASP Constraint Declaration |                                 |          |
|----------------------------|---------------------------------|----------|
| <b>Constraint Name:</b>    | CCStatusRcv(pdu: CCST_PDU)      |          |
| <b>ASP Type:</b>           | DL_DatInCcst                    |          |
| <b>Derivation Path:</b>    |                                 |          |
| <b>Comments:</b>           | To receive a CC STATUS message. |          |
| Parameter Name             | Parameter Value                 | Comments |
| sapi                       | C_Sap0                          |          |
| logic_ch                   | ?                               |          |
| msg                        | pdu                             |          |
| fn                         | ?                               |          |
| <b>Detailed Comments:</b>  |                                 |          |

| ASP Constraint Declaration |                                              |          |
|----------------------------|----------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChmmoAck_01(chmd:CHMOD; ch:LOGICCH; chd:CHD) |          |
| <b>ASP Type:</b>           | DL_DatInChmmoAck                             |          |
| <b>Derivation Path:</b>    |                                              |          |
| <b>Comments:</b>           |                                              |          |
| Parameter Name             | Parameter Value                              | Comments |
| sapi                       | C_Sap0                                       |          |
| logic_ch                   | ch                                           |          |
| msg                        | ChmomoAck_01(chmd, chd)                      |          |
| fn                         | ?                                            |          |
| <b>Detailed Comments:</b>  |                                              |          |

| ASP Constraint Declaration |                                              |          |
|----------------------------|----------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChmmoAck_02(chmd:CHMOD; ch:LOGICCH; chd:CHD) |          |
| <b>ASP Type:</b>           | DL_DatInChmmoAck                             |          |
| <b>Derivation Path:</b>    |                                              |          |
| <b>Comments:</b>           |                                              |          |
| Parameter Name             | Parameter Value                              | Comments |
| sapi                       | C_Sap0                                       |          |
| logic_ch                   | ch                                           |          |
| msg                        | ChmomoAck_02(chmd, chd)                      |          |
| fn                         | ?                                            |          |
| <b>Detailed Comments:</b>  |                                              |          |

| ASP Constraint Declaration |                                            |          |
|----------------------------|--------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChmmoAckRcv(ch:LOGICCH; msg:CHMMO_ACK_PDU) |          |
| <b>ASP Type:</b>           | DL_DatInChmmoAck                           |          |
| <b>Derivation Path:</b>    |                                            |          |
| <b>Comments:</b>           |                                            |          |
| Parameter Name             | Parameter Value                            | Comments |
| sapi                       | C_Sap0                                     |          |
| logic_ch                   | ch                                         |          |
| msg                        | msg                                        |          |
| fn                         | ?                                          |          |
| <b>Detailed Comments:</b>  |                                            |          |

| ASP Constraint Declaration |                                              |          |
|----------------------------|----------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChmmoReq_01(chmd:CHMOD; ch:LOGICCH; chd:CHD) |          |
| <b>ASP Type:</b>           | DL_DatRqChmmo                                |          |
| <b>Derivation Path:</b>    |                                              |          |
| <b>Comments:</b>           |                                              |          |
| Parameter Name             | Parameter Value                              | Comments |
| sapi                       | C_Sap0                                       |          |
| logic_ch                   | ch                                           |          |
| msg                        | ChmomoReq_01(chmd, chd)                      |          |
| <b>Detailed Comments:</b>  |                                              |          |

| ASP Constraint Declaration |                                               |          |
|----------------------------|-----------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChmmoReq_02(chmd:CHMOD; ch: LOGICCH; chd:CHD) |          |
| <b>ASP Type:</b>           | DL_DatRqChmmo                                 |          |
| <b>Derivation Path:</b>    |                                               |          |
| <b>Comments:</b>           |                                               |          |
| Parameter Name             | Parameter Value                               | Comments |
| sapi                       | C_Sap0                                        |          |
| logic_ch                   | ch                                            |          |
| msg                        | ChmomoReq_02(chmd, chd)                       |          |
| <b>Detailed Comments:</b>  |                                               |          |

| ASP Constraint Declaration |                                        |          |
|----------------------------|----------------------------------------|----------|
| <b>Constraint Name:</b>    | ChmmoReqSnd(ch:LOGICCH; msg:CHMMO_PDU) |          |
| <b>ASP Type:</b>           | DL_DatRqChmmo                          |          |
| <b>Derivation Path:</b>    |                                        |          |
| <b>Comments:</b>           |                                        |          |
| Parameter Name             | Parameter Value                        | Comments |
| sapi                       | C_Sap0                                 |          |
| logic_ch                   | ch                                     |          |
| msg                        | msg                                    |          |
| <b>Detailed Comments:</b>  |                                        |          |

| ASP Constraint Declaration |                                     |          |
|----------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>    | ChRel(ch: LOGICCH; pdu: CH_REL_PDU) |          |
| <b>ASP Type:</b>           | DL_DatRqChRel                       |          |
| <b>Derivation Path:</b>    |                                     |          |
| <b>Comments:</b>           | To send a CHANNEL RELEASE message.  |          |
| Parameter Name             | Parameter Value                     | Comments |
| sapi                       | C_Sap0                              |          |
| logic_ch                   | ch                                  |          |
| msg                        | pdu                                 |          |
| <b>Detailed Comments:</b>  |                                     |          |

| ASP Constraint Declaration |                                                                                                            |          |
|----------------------------|------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChRel_01(ch: LOGICCH)                                                                                      |          |
| <b>ASP Type:</b>           | DL_DatRqChRel                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                            |          |
| <b>Comments:</b>           | To send a CHANNEL RELEASE message with RR release cause = normal event, the channel to be released is `ch` |          |
| Parameter Name             | Parameter Value                                                                                            | Comments |
| sapi                       | C_Sap0                                                                                                     |          |
| logic_ch                   | ch                                                                                                         |          |
| msg                        | ChRelease_01                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                            |          |

| ASP Constraint Declaration |                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChRel_20(ch: LOGICCH)                                                                                        |          |
| <b>ASP Type:</b>           | DL_DatRqChRel                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                              |          |
| <b>Comments:</b>           | To send a CHANNEL RELEASE message with RR release cause = normal event.<br>Used variables:<br>TCV_chmaindcch |          |
| Parameter Name             | Parameter Value                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                       |          |
| logic_ch                   | ch                                                                                                           |          |
| msg                        | ChRelease_01                                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                              |          |

| ASP Constraint Declaration |                                                                          |          |
|----------------------------|--------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChRel_inv_01(ch: LOGICCH)                                                |          |
| <b>ASP Type:</b>           | DL_DatRqChRel                                                            |          |
| <b>Derivation Path:</b>    |                                                                          |          |
| <b>Comments:</b>           | To send a CHANNEL RELEASE message without mandatory RR release cause IE. |          |
| Parameter Name             | Parameter Value                                                          | Comments |
| sapi                       | C_Sap0                                                                   |          |
| logic_ch                   | ch                                                                       |          |
| msg                        | ChRelease_inv_01                                                         |          |
| <b>Detailed Comments:</b>  |                                                                          |          |

| ASP Constraint Declaration |                                                                        |          |
|----------------------------|------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChRel_inv_02(ch:LOGICCH)                                               |          |
| <b>ASP Type:</b>           | DL_DatRqChRel                                                          |          |
| <b>Derivation Path:</b>    |                                                                        |          |
| <b>Comments:</b>           | To send an invalid CHANNEL RELEASE message with skip indicator = H'6'. |          |
| Parameter Name             | Parameter Value                                                        | Comments |
| sapi                       | C_Sap0                                                                 |          |
| logic_ch                   | ch                                                                     |          |
| msg                        | ChRelease_inv_02                                                       |          |
| <b>Detailed Comments:</b>  |                                                                        |          |

| ASP Constraint Declaration                    |                                                                                       |          |
|-----------------------------------------------|---------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>                       | ChRel_inv_03(ch:LOGICCH)                                                              |          |
| <b>ASP Type:</b>                              | DL_DatRqChRelErr                                                                      |          |
| <b>Derivation Path:</b>                       |                                                                                       |          |
| <b>Comments:</b>                              | To send a CHANNEL RELEASE message containing additional IE unknown in the RR protocol |          |
| Parameter Name                                | Parameter Value                                                                       | Comments |
| sapi                                          | C_Sap0                                                                                |          |
| logic_ch                                      | ch                                                                                    |          |
| msg                                           | ChRelease_inv_03                                                                      |          |
| <b>Detailed Comments:</b> used in TC_26_5_6_3 |                                                                                       |          |

| ASP Constraint Declaration |                                                              |          |
|----------------------------|--------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChReq(pdu: CH_RQ_PDU)                                        |          |
| <b>ASP Type:</b>           | DL_RacInChRq                                                 |          |
| <b>Derivation Path:</b>    |                                                              |          |
| <b>Comments:</b>           | To receive a primitive containing a CHANNEL REQUEST message. |          |
| Parameter Name             | Parameter Value                                              | Comments |
| sapi                       | C_Sap0                                                       |          |
| logic_ch                   | ?                                                            |          |
| fn                         | ?                                                            |          |
| msg                        | pdu                                                          |          |
| <b>Detailed Comments:</b>  |                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                 |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChReq_01                                                                                                                                        |          |
| <b>ASP Type:</b>           | DL_RaInChRq                                                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                                                 |          |
| <b>Comments:</b>           | To match a received primitive containing CHANNEL REQUEST message which establishment cause is answer to paging ('100', '0010', '0011', '0001'). |          |
| Parameter Name             | Parameter Value                                                                                                                                 | Comments |
| sapi                       | C_Sap0                                                                                                                                          |          |
| logic_ch                   | ?                                                                                                                                               |          |
| fn                         | ?                                                                                                                                               |          |
| msg                        | ChRequest_17                                                                                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                 |          |

| ASP Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChReq_02                                                              |          |
| <b>ASP Type:</b>           | DL_RaInChRq                                                           |          |
| <b>Derivation Path:</b>    | ChReq_01.                                                             |          |
| <b>Comments:</b>           | To match a received primitive containing any CHANNEL REQUEST message. |          |
| Parameter Name             | Parameter Value                                                       | Comments |
| msg                        | ChRequest_02                                                          |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| ASP Constraint Declaration |                                                                                                                                                                           |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChReq_03                                                                                                                                                                  |          |
| <b>ASP Type:</b>           | DL_RaInChRq                                                                                                                                                               |          |
| <b>Derivation Path:</b>    | ChReq_01.                                                                                                                                                                 |          |
| <b>Comments:</b>           | To match a received primitive containing the CHANNEL REQUEST message in which the establishment cause is '0001'B (other procedures which can be completed with an SDCCH). |          |
| Parameter Name             | Parameter Value                                                                                                                                                           | Comments |
| msg                        | ChRequest_03                                                                                                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                           |          |

| ASP Constraint Declaration |                                                                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChReq_04                                                                                                                                                                                                     |          |
| <b>ASP Type:</b>           | DL_RaInChRq                                                                                                                                                                                                  |          |
| <b>Derivation Path:</b>    | ChReq_01.                                                                                                                                                                                                    |          |
| <b>Comments:</b>           | To match a received primitive containing CHANNEL REQUEST message which originates a call and TCH/F is needed, or originating call and the network does not set NECI bit to 1 (establishment cause = '111'B). |          |
| Parameter Name             | Parameter Value                                                                                                                                                                                              | Comments |
| msg                        | ChRequest_04                                                                                                                                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                                                                                            |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChReq_05                                                                                                                                                                                                                   |          |
| <b>ASP Type:</b>           | DL_RaInChRq                                                                                                                                                                                                                |          |
| <b>Derivation Path:</b>    | ChReq_01.                                                                                                                                                                                                                  |          |
| <b>Comments:</b>           | To match a received primitive containing CHANNEL REQUEST message containing establish cause = '0100'B "originating speech call from dual-rate mobile station when TCH/H is sufficient and the network sets NECI bit to 1". |          |
| Parameter Name             | Parameter Value                                                                                                                                                                                                            | Comments |
| msg                        | ChRequest_05                                                                                                                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                            |          |

| ASP Constraint Declaration |                                                                                                                                                                                                                                                   |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChReq_06                                                                                                                                                                                                                                          |          |
| <b>ASP Type:</b>           | DL_RaInChRq                                                                                                                                                                                                                                       |          |
| <b>Derivation Path:</b>    | ChReq_01.                                                                                                                                                                                                                                         |          |
| <b>Comments:</b>           | To match a received primitive containing CHANNEL REQUEST message which originates a data call (establishment cause = '0101'B " originating data call from dual-rate mobile station when TCH/H is sufficient and the network sets NECI bit to 1"). |          |
| Parameter Name             | Parameter Value                                                                                                                                                                                                                                   | Comments |
| msg                        | ChRequest_06                                                                                                                                                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                   |          |

| ASP Constraint Declaration |                                                                                                     |          |
|----------------------------|-----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChReq_07                                                                                            |          |
| <b>ASP Type:</b>           | DL_RaInChRq                                                                                         |          |
| <b>Derivation Path:</b>    | ChReq_01.                                                                                           |          |
| <b>Comments:</b>           | To match a received primitive containing CHANNEL REQUEST message with establishment cause = '0010'B |          |
| Parameter Name             | Parameter Value                                                                                     | Comments |
| msg                        | ChRequest_07                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                     |          |

| ASP Constraint Declaration |                                                                                                     |          |
|----------------------------|-----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChReq_08                                                                                            |          |
| <b>ASP Type:</b>           | DL_RaInChRq                                                                                         |          |
| <b>Derivation Path:</b>    | ChReq_01.                                                                                           |          |
| <b>Comments:</b>           | To match a received primitive containing CHANNEL REQUEST message with establishment cause = '0011'B |          |
| Parameter Name             | Parameter Value                                                                                     | Comments |
| msg                        | ChRequest_08                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                     |          |

| ASP Constraint Declaration |                                                                                                                         |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChReq_09                                                                                                                |          |
| <b>ASP Type:</b>           | DL_RaInChRq                                                                                                             |          |
| <b>Derivation Path:</b>    | ChReq_01.                                                                                                               |          |
| <b>Comments:</b>           | To match a received primitive containing CHANNEL REQUEST message with establishment cause = location updating ('000'B). |          |
| Parameter Name             | Parameter Value                                                                                                         | Comments |
| msg                        | ChRequest_09                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                         |          |

| ASP Constraint Declaration |                                                                                                                             |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChReq_10                                                                                                                    |          |
| <b>ASP Type:</b>           | DL_RaInChRq                                                                                                                 |          |
| <b>Derivation Path:</b>    | ChReq_01.                                                                                                                   |          |
| <b>Comments:</b>           | To match a received primitive containing CHANNEL REQUEST message with establishment cause = '110'B " call re-establishment" |          |
| Parameter Name             | Parameter Value                                                                                                             | Comments |
| msg                        | ChRequest_10                                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                                             |          |

| ASP Constraint Declaration |                                                                                                       |          |
|----------------------------|-------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChReq_11                                                                                              |          |
| <b>ASP Type:</b>           | DL_RaInChRq                                                                                           |          |
| <b>Derivation Path:</b>    | ChReq_01.                                                                                             |          |
| <b>Comments:</b>           | To match a received primitive containing CHANNEL REQUEST message with establishment cause = '011010'B |          |
| Parameter Name             | Parameter Value                                                                                       | Comments |
| msg                        | ChRequest_11                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                                       |          |

| ASP Constraint Declaration |                                                                                                    |          |
|----------------------------|----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChReq_12                                                                                           |          |
| <b>ASP Type:</b>           | DL_RaInChRq                                                                                        |          |
| <b>Derivation Path:</b>    | ChReq_01.                                                                                          |          |
| <b>Comments:</b>           | To match a received primitive containing CHANNEL REQUEST message with establishment cause = '100'B |          |
| Parameter Name             | Parameter Value                                                                                    | Comments |
| msg                        | ChRequest_12                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                    |          |

| ASP Constraint Declaration |                                                                                                                           |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChReq_13                                                                                                                  |          |
| <b>ASP Type:</b>           | DL_RaInChRq                                                                                                               |          |
| <b>Derivation Path:</b>    | ChReq_01.                                                                                                                 |          |
| <b>Comments:</b>           | To match a received primitive containing CHANNEL REQUEST message with establishment cause = '100'B, or '0010'B or '0001'B |          |
| Parameter Name             | Parameter Value                                                                                                           | Comments |
| msg                        | ChRequest_13                                                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                                                           |          |

| ASP Constraint Declaration |                                                                                                                           |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChReq_14                                                                                                                  |          |
| <b>ASP Type:</b>           | DL_RaInChRq                                                                                                               |          |
| <b>Derivation Path:</b>    | ChReq_01.                                                                                                                 |          |
| <b>Comments:</b>           | To match a received primitive containing CHANNEL REQUEST message with establishment cause = '100'B, or '0011'B or '0001'B |          |
| Parameter Name             | Parameter Value                                                                                                           | Comments |
| msg                        | ChRequest_14                                                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                                                           |          |

| ASP Constraint Declaration |                                                |          |
|----------------------------|------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChReq_15(ch:LOGICCH)                           |          |
| <b>ASP Type:</b>           | DL_RaInChRq                                    |          |
| <b>Derivation Path:</b>    |                                                |          |
| <b>Comments:</b>           | To receive a CHANNEL REQUEST message in cell B |          |
| Parameter Name             | Parameter Value                                | Comments |
| sapi                       | C_Sap0                                         |          |
| logic_ch                   | ch                                             |          |
| fn                         | ?                                              |          |
| msg                        | ChRequest_01                                   |          |
| <b>Detailed Comments:</b>  |                                                |          |



| ASP Constraint Declaration |                                                                                                    |          |
|----------------------------|----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChReq_16(ch:LOGICCH)                                                                               |          |
| <b>ASP Type:</b>           | DL_RaInChRq                                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                                    |          |
| <b>Comments:</b>           | To match a received primitive containing CHANNEL REQUEST message with establishment cause = '100'B |          |
| Parameter Name             | Parameter Value                                                                                    | Comments |
| sapi                       | C_Sap0                                                                                             |          |
| logic_ch                   | ch                                                                                                 |          |
| fn                         | ?                                                                                                  |          |
| msg                        | ChRequest_12                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                    |          |

| ASP Constraint Declaration |                                                                                                                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChReq_17                                                                                                                                                                             |          |
| <b>ASP Type:</b>           | DL_RaInChRq                                                                                                                                                                          |          |
| <b>Derivation Path:</b>    | ChReq_01.                                                                                                                                                                            |          |
| <b>Comments:</b>           | To match a received primitive containing CHANNEL REQUEST message which originates a call (establishment cause = '111'B, or '0100'B, or '0101'B or '101'B--- initiate outgoing call). |          |
| Parameter Name             | Parameter Value                                                                                                                                                                      | Comments |
| msg                        | ChRequest_15                                                                                                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                      |          |

| ASP Constraint Declaration |                                                                                                               |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChReq_18                                                                                                      |          |
| <b>ASP Type:</b>           | DL_RaInChRq                                                                                                   |          |
| <b>Derivation Path:</b>    | ChReq_01.                                                                                                     |          |
| <b>Comments:</b>           | To match a received primitive containing CHANNEL REQUEST message which establishment cause is emergency call. |          |
| Parameter Name             | Parameter Value                                                                                               | Comments |
| msg                        | ChRequest_16                                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                               |          |

| ASP Constraint Declaration |                                                                                                                         |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChReq_19(ch:LOGICCH)                                                                                                    |          |
| <b>ASP Type:</b>           | DL_RaInChRq                                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                                         |          |
| <b>Comments:</b>           | To match a in cell A received primitive containing CHANNEL REQUEST message which establishment cause is emergency call. |          |
| Parameter Name             | Parameter Value                                                                                                         | Comments |
| sapi                       | C_Sap0                                                                                                                  |          |
| logic_ch                   | ch                                                                                                                      |          |
| fn                         | ?                                                                                                                       |          |
| msg                        | ChRequest_16                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                         |          |

| ASP Constraint Declaration |                                                |          |
|----------------------------|------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChReq_20(ch:LOGICCH)                           |          |
| <b>ASP Type:</b>           | DL_RaInChRq                                    |          |
| <b>Derivation Path:</b>    |                                                |          |
| <b>Comments:</b>           | To receive a CHANNEL REQUEST message in cell B |          |
| Parameter Name             | Parameter Value                                | Comments |
| sapi                       | C_Sap0                                         |          |
| logic_ch                   | ch                                             |          |
| fn                         | ?                                              |          |
| msg                        | ChRequest_09                                   |          |
| <b>Detailed Comments:</b>  |                                                |          |

| ASP Constraint Declaration |                                                                                                       |          |
|----------------------------|-------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ClassChg_01                                                                                           |          |
| <b>ASP Type:</b>           | DL_UdatnCImChn                                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                                       |          |
| <b>Comments:</b>           | to match a received CLASSMARK CHANGE message containing classmark2 indicating original rf power class |          |
| Parameter Name             | Parameter Value                                                                                       | Comments |
| sapi                       | C_Sap0                                                                                                |          |
| logic_ch                   | ?                                                                                                     |          |
| msg                        | ClassChange_01                                                                                        |          |
| fn                         | ?                                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                                       |          |

| ASP Constraint Declaration |                                                                                                                           |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ClassChg_02                                                                                                               |          |
| <b>ASP Type:</b>           | DL_UdatnCImChn                                                                                                            |          |
| <b>Derivation Path:</b>    | ClassChg_01.                                                                                                              |          |
| <b>Comments:</b>           | to match a received CLASSMARK CHANGE message containing classmark2 indicating new rf power class with power amplification |          |
| Parameter Name             | Parameter Value                                                                                                           | Comments |
| msg                        | ClassChange_02                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                           |          |

| ASP Constraint Declaration |                                                                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ClassChg_03                                                                                                                    |          |
| <b>ASP Type:</b>           | DL_DatnCImChn                                                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                                                                |          |
| <b>Comments:</b>           | to match a received CLASSMARK CHANGE message containing classmark2 indicating original rf power class and possible classmark3. |          |
| Parameter Name             | Parameter Value                                                                                                                | Comments |
| sapi                       | C_Sap0                                                                                                                         |          |
| logic_ch                   | ?                                                                                                                              |          |
| msg                        | ClassChange_03                                                                                                                 |          |
| fn                         | ?                                                                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                                                                |          |

| ASP Constraint Declaration |                            |          |
|----------------------------|----------------------------|----------|
| <b>Constraint Name:</b>    | ClassMkEnq_01(ch: LOGICCH) |          |
| <b>ASP Type:</b>           | DL_DatRqCImEnq             |          |
| <b>Derivation Path:</b>    |                            |          |
| <b>Comments:</b>           |                            |          |
| Parameter Name             | Parameter Value            | Comments |
| sapi                       | C_Sap0                     |          |
| logic_ch                   | ch                         |          |
| msg                        | ClassMarkEnq_01            |          |
| <b>Detailed Comments:</b>  |                            |          |

| ASP Constraint Declaration |                 |          |
|----------------------------|-----------------|----------|
| <b>Constraint Name:</b>    | CmreReq_02      |          |
| <b>ASP Type:</b>           | DL_EstInCmreRq  |          |
| <b>Derivation Path:</b>    |                 |          |
| <b>Comments:</b>           |                 |          |
| Parameter Name             | Parameter Value | Comments |
| sapi                       | C_Sap0          |          |
| logic_ch                   | ?               |          |
| establish_mode             | ?               |          |
| msg                        | CMReEstReq_02   |          |
| fn                         | ?               |          |
| <b>Detailed Comments:</b>  |                 |          |

| ASP Constraint Declaration |                 |          |
|----------------------------|-----------------|----------|
| <b>Constraint Name:</b>    | CmreReq_03      |          |
| <b>ASP Type:</b>           | DL_EstInCmreRq  |          |
| <b>Derivation Path:</b>    |                 |          |
| <b>Comments:</b>           |                 |          |
| Parameter Name             | Parameter Value | Comments |
| sapi                       | C_Sap0          |          |
| logic_ch                   | ?               |          |
| establish_mode             | ?               |          |
| msg                        | CMReEstReq_03   |          |
| fn                         | ?               |          |
| <b>Detailed Comments:</b>  |                 |          |

| ASP Constraint Declaration |                                        |          |
|----------------------------|----------------------------------------|----------|
| <b>Constraint Name:</b>    | CMSerAcp(ch:LOGICCH; pdu: CMS_ACP_PDU) |          |
| <b>ASP Type:</b>           | DL_DatRqCmsAcp                         |          |
| <b>Derivation Path:</b>    |                                        |          |
| <b>Comments:</b>           | To send a CM service accept message.   |          |
| Parameter Name             | Parameter Value                        | Comments |
| sapi                       | C_Sap0                                 |          |
| logic_ch                   | ch                                     |          |
| msg                        | pdu                                    |          |
| <b>Detailed Comments:</b>  |                                        |          |

| ASP Constraint Declaration |                                      |          |
|----------------------------|--------------------------------------|----------|
| <b>Constraint Name:</b>    | CmserAcp_01(ch:LOGICCH)              |          |
| <b>ASP Type:</b>           | DL_DatRqCmsAcp                       |          |
| <b>Derivation Path:</b>    |                                      |          |
| <b>Comments:</b>           | To send a cm service accept message. |          |
| Parameter Name             | Parameter Value                      | Comments |
| sapi                       | C_Sap0                               |          |
| logic_ch                   | ch                                   |          |
| msg                        | CMServiceAcp_01                      |          |
| <b>Detailed Comments:</b>  |                                      |          |

| ASP Constraint Declaration |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CMSerRej(ch:LOGICCH; pdu: CMS_REJ_PDU)                        |          |
| <b>ASP Type:</b>           | DL_DatRqCmsRej                                                |          |
| <b>Derivation Path:</b>    |                                                               |          |
| <b>Comments:</b>           | reject cause = "service or option not available, unspecified" |          |
| Parameter Name             | Parameter Value                                               | Comments |
| sapi                       | C_Sap0                                                        |          |
| logic_ch                   | ch                                                            |          |
| msg                        | pdu                                                           |          |
| <b>Detailed Comments:</b>  |                                                               |          |

| ASP Constraint Declaration |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | CmserRej_02(ch: LOGICCH)           |          |
| <b>ASP Type:</b>           | DL_DatRqCmsRej                     |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           | reject cause = "IMEI not accepted" |          |
| Parameter Name             | Parameter Value                    | Comments |
| sapi                       | C_Sap0                             |          |
| logic_ch                   | ch                                 |          |
| msg                        | CMServiceRej_02                    |          |
| <b>Detailed Comments:</b>  |                                    |          |

| ASP Constraint Declaration |                                               |          |
|----------------------------|-----------------------------------------------|----------|
| <b>Constraint Name:</b>    | CmserRej_03(ch: LOGICCH)                      |          |
| <b>ASP Type:</b>           | DL_DatRqCmsRej                                |          |
| <b>Derivation Path:</b>    |                                               |          |
| <b>Comments:</b>           | reject cause = "Service Option not supported" |          |
| Parameter Name             | Parameter Value                               | Comments |
| sapi                       | C_Sap0                                        |          |
| logic_ch                   | ch                                            |          |
| msg                        | CMServiceRej_03                               |          |
| <b>Detailed Comments:</b>  |                                               |          |

| ASP Constraint Declaration |                                  |          |
|----------------------------|----------------------------------|----------|
| <b>Constraint Name:</b>    | CmserRej_04(ch:LOGICCH)          |          |
| <b>ASP Type:</b>           | DL_DatRqCmsRej                   |          |
| <b>Derivation Path:</b>    |                                  |          |
| <b>Comments:</b>           | reject cause = "network failure" |          |
| Parameter Name             | Parameter Value                  | Comments |
| sapi                       | C_Sap0                           |          |
| logic_ch                   | ch                               |          |
| msg                        | CMServiceRej_04                  |          |
| <b>Detailed Comments:</b>  |                                  |          |

| ASP Constraint Declaration |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CmserRej_30(par: REJCAU; ch: LOGICCH)                         |          |
| <b>ASP Type:</b>           | DL_DatRqCmsRej                                                |          |
| <b>Derivation Path:</b>    |                                                               |          |
| <b>Comments:</b>           | reject cause = 'service or option not available, unsepcified" |          |
| Parameter Name             | Parameter Value                                               | Comments |
| sapi                       | C_Sap0                                                        |          |
| logic_ch                   | ch                                                            |          |
| msg                        | CMSerRej_30(par)                                              |          |
| <b>Detailed Comments:</b>  |                                                               |          |

| ASP Constraint Declaration |                                          |          |
|----------------------------|------------------------------------------|----------|
| <b>Constraint Name:</b>    | CMSerReq(pdu: CMS_RQ_PDU)                |          |
| <b>ASP Type:</b>           | DL_EstInCmsRq                            |          |
| <b>Derivation Path:</b>    |                                          |          |
| <b>Comments:</b>           | To receive a CM SERVICE REQUEST message. |          |
| Parameter Name             | Parameter Value                          | Comments |
| sapi                       | C_Sap0                                   |          |
| logic_ch                   | ?                                        |          |
| establish_mode             | ?                                        |          |
| msg                        | pdu                                      |          |
| fn                         | ?                                        |          |
| <b>Detailed Comments:</b>  |                                          |          |

| ASP Constraint Declaration |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CmserReq_01                                      |          |
| <b>ASP Type:</b>           | DL_EstInCmsRq                                    |          |
| <b>Derivation Path:</b>    |                                                  |          |
| <b>Comments:</b>           | To match any received CM SERVICE REQUEST message |          |
| Parameter Name             | Parameter Value                                  | Comments |
| sapi                       | C_Sap0                                           |          |
| logic_ch                   | ?                                                |          |
| establish_mode             | ?                                                |          |
| msg                        | CMSerReq_01                                      |          |
| fn                         | ?                                                |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| ASP Constraint Declaration |                                                                                                                          |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CmserReq_02                                                                                                              |          |
| <b>ASP Type:</b>           | DL_EstInCmsRq                                                                                                            |          |
| <b>Derivation Path:</b>    | CmserReq_01.                                                                                                             |          |
| <b>Comments:</b>           | To match a received CM SERVICE REQUEST message containing mobile station classmark 2 indicating new RF power capability. |          |
| Parameter Name             | Parameter Value                                                                                                          | Comments |
| msg                        | CMSerReq_02                                                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                                                          |          |

| ASP Constraint Declaration |                                                                                                                                                                                                |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CmserReq_04                                                                                                                                                                                    |          |
| <b>ASP Type:</b>           | DL_EstInCmsRq                                                                                                                                                                                  |          |
| <b>Derivation Path:</b>    | CmserReq_01.                                                                                                                                                                                   |          |
| <b>Comments:</b>           | To match a received CM SERVICE REQUEST message containing CM service type = "Mobile originating call establishment or packet mode connection establishment" or "emergency call establishment". |          |
| Parameter Name             | Parameter Value                                                                                                                                                                                | Comments |
| msg                        | CMSerReq_04                                                                                                                                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                |          |

| ASP Constraint Declaration |                                                                      |          |
|----------------------------|----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CmserReq_05                                                          |          |
| <b>ASP Type:</b>           | DL_EstInCmsRq                                                        |          |
| <b>Derivation Path:</b>    | CmserReq_01.                                                         |          |
| <b>Comments:</b>           | To match any received CM SERVICE REQUEST message for emergency call. |          |
| Parameter Name             | Parameter Value                                                      | Comments |
| msg                        | CMSerReq_05                                                          |          |
| <b>Detailed Comments:</b>  |                                                                      |          |

| ASP Constraint Declaration |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CmserReq_06                                                                    |          |
| <b>ASP Type:</b>           | DL_EstInCmsRq                                                                  |          |
| <b>Derivation Path:</b>    | CmserReq_01.                                                                   |          |
| <b>Comments:</b>           | To match any received CM SERVICE REQUEST message for emergency call with TMSI. |          |
| Parameter Name             | Parameter Value                                                                | Comments |
| msg                        | CMSerReq_06                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| ASP Constraint Declaration |                                                                                                     |          |
|----------------------------|-----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CmserReq_07                                                                                         |          |
| <b>ASP Type:</b>           | DL_EstInCmsRq                                                                                       |          |
| <b>Derivation Path:</b>    | CmserReq_01.                                                                                        |          |
| <b>Comments:</b>           | To match a received CM SERVICE REQUEST message for emergency call with IMEI and non-available CKSN. |          |
| Parameter Name             | Parameter Value                                                                                     | Comments |
| msg                        | CMSerReq_07                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                                     |          |

| ASP Constraint Declaration |                                                                                                |          |
|----------------------------|------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CmserReq_08                                                                                    |          |
| <b>ASP Type:</b>           | DL_EstInCmsRq                                                                                  |          |
| <b>Derivation Path:</b>    | CmserReq_01.                                                                                   |          |
| <b>Comments:</b>           | To match the received CM SERVICE REQUEST message indicating "supplementary service activation" |          |
| Parameter Name             | Parameter Value                                                                                | Comments |
| msg                        | CMSerReq_08                                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                                |          |

| ASP Constraint Declaration |                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CmsrReq_09                                                                           |          |
| <b>ASP Type:</b>           | DL_EstInCmsRq                                                                        |          |
| <b>Derivation Path:</b>    | CmsrReq_01.                                                                          |          |
| <b>Comments:</b>           | To match the received CM SERVICE REQUEST message indicating "short message transfer" |          |
| Parameter Name             | Parameter Value                                                                      | Comments |
| msg                        | CMSrReq_09                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                      |          |

| ASP Constraint Declaration |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CmsrReq_30(parexpected_mi: MI)                   |          |
| <b>ASP Type:</b>           | DL_EstInCmsRq                                    |          |
| <b>Derivation Path:</b>    |                                                  |          |
| <b>Comments:</b>           | To match any received CM SERVICE REQUEST message |          |
| Parameter Name             | Parameter Value                                  | Comments |
| sapi                       | C_Sap0                                           |          |
| logic_ch                   | ?                                                |          |
| establish_mode             | ?                                                |          |
| msg                        | CMSrReq_30(parexpected_mi)                       |          |
| fn                         | ?                                                |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| ASP Constraint Declaration |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CmsrReq_31(parexpected_mi: MI; cksn: BITSTRING)  |          |
| <b>ASP Type:</b>           | DL_EstInCmsRq                                    |          |
| <b>Derivation Path:</b>    |                                                  |          |
| <b>Comments:</b>           | To match any received CM SERVICE REQUEST message |          |
| Parameter Name             | Parameter Value                                  | Comments |
| sapi                       | C_Sap0                                           |          |
| logic_ch                   | ?                                                |          |
| establish_mode             | ?                                                |          |
| msg                        | CMSrReq_31( parexpected_mi, cksn)                |          |
| fn                         | ?                                                |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| ASP Constraint Declaration |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CmsrReq_32(parexpected_mi: MI; cksn: BITSTRING)  |          |
| <b>ASP Type:</b>           | DL_EstInCmsRq                                    |          |
| <b>Derivation Path:</b>    |                                                  |          |
| <b>Comments:</b>           | To match any received CM SERVICE REQUEST message |          |
| Parameter Name             | Parameter Value                                  | Comments |
| sapi                       | C_Sap0                                           |          |
| logic_ch                   | ?                                                |          |
| establish_mode             | ?                                                |          |
| msg                        | CMSrReq_32( parexpected_mi, cksn)                |          |
| fn                         | ?                                                |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| ASP Constraint Declaration |                                       |          |
|----------------------------|---------------------------------------|----------|
| <b>Constraint Name:</b>    | ConnAck_01(ch:LOGICCH)                |          |
| <b>ASP Type:</b>           | DL_DatRqConnAck                       |          |
| <b>Derivation Path:</b>    |                                       |          |
| <b>Comments:</b>           | To send a CONNECT ACKNOWLEDGE message |          |
| Parameter Name             | Parameter Value                       | Comments |
| sapi                       | C_Sap0                                |          |
| logic_ch                   | ch                                    |          |
| msg                        | ConnectAck_01                         |          |
| <b>Detailed Comments:</b>  |                                       |          |

| ASP Constraint Declaration |                                       |          |
|----------------------------|---------------------------------------|----------|
| <b>Constraint Name:</b>    | ConnAck_20(ch: LOGICCH)               |          |
| <b>ASP Type:</b>           | DL_DatRqConnAck                       |          |
| <b>Derivation Path:</b>    |                                       |          |
| <b>Comments:</b>           | To send a CONNECT ACKNOWLEDGE message |          |
| Parameter Name             | Parameter Value                       | Comments |
| sapi                       | C_Sap0                                |          |
| logic_ch                   | ch                                    |          |
| msg                        | ConnectAck_01                         |          |
| <b>Detailed Comments:</b>  |                                       |          |

| ASP Constraint Declaration |                                          |          |
|----------------------------|------------------------------------------|----------|
| <b>Constraint Name:</b>    | ConnAckRcv(pdu: CONN_ACK_PDU)            |          |
| <b>ASP Type:</b>           | DL_DatInConnAck                          |          |
| <b>Derivation Path:</b>    |                                          |          |
| <b>Comments:</b>           | To receive a CONNECT ACKNOWLEDGE message |          |
| Parameter Name             | Parameter Value                          | Comments |
| sapi                       | C_Sap0                                   |          |
| logic_ch                   | ?                                        |          |
| msg                        | pdu                                      |          |
| fn                         | ?                                        |          |
| <b>Detailed Comments:</b>  |                                          |          |

| ASP Constraint Declaration |                                                   |          |
|----------------------------|---------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ConnAckRcv_01(Ti:Ti)                              |          |
| <b>ASP Type:</b>           | DL_DatInConnAck                                   |          |
| <b>Derivation Path:</b>    |                                                   |          |
| <b>Comments:</b>           | To match any received CONNECT ACKNOWLEDGE message |          |
| Parameter Name             | Parameter Value                                   | Comments |
| sapi                       | C_Sap0                                            |          |
| logic_ch                   | ?                                                 |          |
| msg                        | ConnectAck_02(Ti)                                 |          |
| fn                         | ?                                                 |          |
| <b>Detailed Comments:</b>  |                                                   |          |



| ASP Constraint Declaration |                                           |          |
|----------------------------|-------------------------------------------|----------|
| <b>Constraint Name:</b>    | ConnAckSnd(ch:LOGICCH; pdu: CONN_ACK_PDU) |          |
| <b>ASP Type:</b>           | DL_DatRqConnAck                           |          |
| <b>Derivation Path:</b>    |                                           |          |
| <b>Comments:</b>           | To send a CONNECT ACKNOWLEDGE message.    |          |
| Parameter Name             | Parameter Value                           | Comments |
| sapi                       | C_Sap0                                    |          |
| logic_ch                   | ch                                        |          |
| msg                        | pdu                                       |          |
| <b>Detailed Comments:</b>  |                                           |          |

| ASP Constraint Declaration |                                                              |          |
|----------------------------|--------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Conn_01(Ti:TI; ch: LOGICCH)                                  |          |
| <b>ASP Type:</b>           | DL_DatRqConn                                                 |          |
| <b>Derivation Path:</b>    |                                                              |          |
| <b>Comments:</b>           | To send a CC CONNECT message containing mandatory IE's only. |          |
| Parameter Name             | Parameter Value                                              | Comments |
| sapi                       | C_Sap0                                                       |          |
| logic_ch                   | ch                                                           |          |
| msg                        | Connect_02(Ti)                                               |          |
| <b>Detailed Comments:</b>  |                                                              |          |

| ASP Constraint Declaration |                                                           |          |
|----------------------------|-----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Conn_02(Ti:TI; ch: LOGICCH)                               |          |
| <b>ASP Type:</b>           | DL_DatRqConn                                              |          |
| <b>Derivation Path:</b>    |                                                           |          |
| <b>Comments:</b>           | To send a CC CONNECT message containing AOCC information. |          |
| Parameter Name             | Parameter Value                                           | Comments |
| sapi                       | C_Sap0                                                    |          |
| logic_ch                   | ch                                                        |          |
| msg                        | Connect_04(Ti)                                            |          |
| <b>Detailed Comments:</b>  |                                                           |          |

| ASP Constraint Declaration |                                                          |          |
|----------------------------|----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Conn_03(Ti:TI; ch: LOGICCH)                              |          |
| <b>ASP Type:</b>           | DL_DatRqConn                                             |          |
| <b>Derivation Path:</b>    |                                                          |          |
| <b>Comments:</b>           | To send a CC CONNECT message containing Notification IE. |          |
| Parameter Name             | Parameter Value                                          | Comments |
| sapi                       | C_Sap0                                                   |          |
| logic_ch                   | ch                                                       |          |
| msg                        | Connect_05(Ti)                                           |          |
| <b>Detailed Comments:</b>  |                                                          |          |

| ASP Constraint Declaration |                                                                            |          |
|----------------------------|----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Conn_04(Ti:TI; ch: LOGICCH)                                                |          |
| <b>ASP Type:</b>           | DL_DatRqConn                                                               |          |
| <b>Derivation Path:</b>    |                                                                            |          |
| <b>Comments:</b>           | To send a CC CONNECT message containing facility IE (forwardChargeAdvice). |          |
| Parameter Name             | Parameter Value                                                            | Comments |
| sapi                       | C_Sap0                                                                     |          |
| logic_ch                   | ch                                                                         |          |
| msg                        | Connect_06(Ti)                                                             |          |
| <b>Detailed Comments:</b>  |                                                                            |          |

| ASP Constraint Declaration |                                                                            |          |
|----------------------------|----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Conn_05(Ti:TI; ch: LOGICCH)                                                |          |
| <b>ASP Type:</b>           | DL_DatRqConn                                                               |          |
| <b>Derivation Path:</b>    |                                                                            |          |
| <b>Comments:</b>           | To send a CC CONNECT message containing facility IE (forwardChargeAdvice). |          |
| Parameter Name             | Parameter Value                                                            | Comments |
| sapi                       | C_Sap0                                                                     |          |
| logic_ch                   | ch                                                                         |          |
| msg                        | Connect_07(Ti)                                                             |          |
| <b>Detailed Comments:</b>  |                                                                            |          |

| ASP Constraint Declaration |                                                                            |          |
|----------------------------|----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Conn_06(Ti:TI; ch: LOGICCH)                                                |          |
| <b>ASP Type:</b>           | DL_DatRqConn                                                               |          |
| <b>Derivation Path:</b>    |                                                                            |          |
| <b>Comments:</b>           | To send a CC CONNECT message containing facility IE (forwardChargeAdvice). |          |
| Parameter Name             | Parameter Value                                                            | Comments |
| sapi                       | C_Sap0                                                                     |          |
| logic_ch                   | ch                                                                         |          |
| msg                        | Connect_08(Ti)                                                             |          |
| <b>Detailed Comments:</b>  |                                                                            |          |

| ASP Constraint Declaration |                                                                            |          |
|----------------------------|----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Conn_07(Ti:TI; ch: LOGICCH)                                                |          |
| <b>ASP Type:</b>           | DL_DatRqConn                                                               |          |
| <b>Derivation Path:</b>    |                                                                            |          |
| <b>Comments:</b>           | To send a CC CONNECT message containing facility IE (forwardChargeAdvice). |          |
| Parameter Name             | Parameter Value                                                            | Comments |
| sapi                       | C_Sap0                                                                     |          |
| logic_ch                   | ch                                                                         |          |
| msg                        | Connect_09(Ti)                                                             |          |
| <b>Detailed Comments:</b>  |                                                                            |          |

| ASP Constraint Declaration |                                                                            |          |
|----------------------------|----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Conn_08(Ti:TI; ch: LOGICCH)                                                |          |
| <b>ASP Type:</b>           | DL_DatRqConn                                                               |          |
| <b>Derivation Path:</b>    |                                                                            |          |
| <b>Comments:</b>           | To send a CC CONNECT message containing facility IE (forwardChargeAdvice). |          |
| Parameter Name             | Parameter Value                                                            | Comments |
| sapi                       | C_Sap0                                                                     |          |
| logic_ch                   | ch                                                                         |          |
| msg                        | Connect_10(Ti)                                                             |          |
| <b>Detailed Comments:</b>  |                                                                            |          |

| ASP Constraint Declaration |                                                                            |          |
|----------------------------|----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Conn_09(Ti:TI; ch: LOGICCH)                                                |          |
| <b>ASP Type:</b>           | DL_DatRqConn                                                               |          |
| <b>Derivation Path:</b>    |                                                                            |          |
| <b>Comments:</b>           | To send a CC CONNECT message containing facility IE (forwardChargeAdvice). |          |
| Parameter Name             | Parameter Value                                                            | Comments |
| sapi                       | C_Sap0                                                                     |          |
| logic_ch                   | ch                                                                         |          |
| msg                        | Connect_11(Ti)                                                             |          |
| <b>Detailed Comments:</b>  |                                                                            |          |

| ASP Constraint Declaration |                                                                            |          |
|----------------------------|----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Conn_10(Ti:TI; ch: LOGICCH)                                                |          |
| <b>ASP Type:</b>           | DL_DatRqConn                                                               |          |
| <b>Derivation Path:</b>    |                                                                            |          |
| <b>Comments:</b>           | To send a CC CONNECT message containing facility IE (forwardChargeAdvice). |          |
| Parameter Name             | Parameter Value                                                            | Comments |
| sapi                       | C_Sap0                                                                     |          |
| logic_ch                   | ch                                                                         |          |
| msg                        | Connect_12(Ti)                                                             |          |
| <b>Detailed Comments:</b>  |                                                                            |          |

| ASP Constraint Declaration |                                                                            |          |
|----------------------------|----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Conn_11(Ti:TI; ch: LOGICCH)                                                |          |
| <b>ASP Type:</b>           | DL_DatRqConn                                                               |          |
| <b>Derivation Path:</b>    |                                                                            |          |
| <b>Comments:</b>           | To send a CC CONNECT message containing facility IE (forwardChargeAdvice). |          |
| Parameter Name             | Parameter Value                                                            | Comments |
| sapi                       | C_Sap0                                                                     |          |
| logic_ch                   | ch                                                                         |          |
| msg                        | Connect_13(Ti)                                                             |          |
| <b>Detailed Comments:</b>  |                                                                            |          |

| ASP Constraint Declaration |                                                                            |          |
|----------------------------|----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Conn_12(Ti:TI; ch: LOGICCH)                                                |          |
| <b>ASP Type:</b>           | DL_DatRqConn                                                               |          |
| <b>Derivation Path:</b>    |                                                                            |          |
| <b>Comments:</b>           | To send a CC CONNECT message containing facility IE (forwardChargeAdvice). |          |
| Parameter Name             | Parameter Value                                                            | Comments |
| sapi                       | C_Sap0                                                                     |          |
| logic_ch                   | ch                                                                         |          |
| msg                        | Connect_14(Ti)                                                             |          |
| <b>Detailed Comments:</b>  |                                                                            |          |

| ASP Constraint Declaration |                                                                            |          |
|----------------------------|----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Conn_13(Ti:TI; ch: LOGICCH)                                                |          |
| <b>ASP Type:</b>           | DL_DatRqConn                                                               |          |
| <b>Derivation Path:</b>    |                                                                            |          |
| <b>Comments:</b>           | To send a CC CONNECT message containing facility IE (forwardChargeAdvice). |          |
| Parameter Name             | Parameter Value                                                            | Comments |
| sapi                       | C_Sap0                                                                     |          |
| logic_ch                   | ch                                                                         |          |
| msg                        | Connect_15(Ti)                                                             |          |
| <b>Detailed Comments:</b>  |                                                                            |          |

| ASP Constraint Declaration |                                                                            |          |
|----------------------------|----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Conn_14(Ti:TI; ch: LOGICCH)                                                |          |
| <b>ASP Type:</b>           | DL_DatRqConn                                                               |          |
| <b>Derivation Path:</b>    |                                                                            |          |
| <b>Comments:</b>           | To send a CC CONNECT message containing facility IE (forwardChargeAdvice). |          |
| Parameter Name             | Parameter Value                                                            | Comments |
| sapi                       | C_Sap0                                                                     |          |
| logic_ch                   | ch                                                                         |          |
| msg                        | Connect_16(Ti)                                                             |          |
| <b>Detailed Comments:</b>  |                                                                            |          |

| ASP Constraint Declaration |                                                                            |          |
|----------------------------|----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Conn_15(Ti:TI; ch: LOGICCH)                                                |          |
| <b>ASP Type:</b>           | DL_DatRqConn                                                               |          |
| <b>Derivation Path:</b>    |                                                                            |          |
| <b>Comments:</b>           | To send a CC CONNECT message containing facility IE (forwardChargeAdvice). |          |
| Parameter Name             | Parameter Value                                                            | Comments |
| sapi                       | C_Sap0                                                                     |          |
| logic_ch                   | ch                                                                         |          |
| msg                        | Connect_17(Ti)                                                             |          |
| <b>Detailed Comments:</b>  |                                                                            |          |

| ASP Constraint Declaration |                                                                                         |          |
|----------------------------|-----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Conn_inv_01(Ti:TI; ch:LOGICCH)                                                          |          |
| <b>ASP Type:</b>           | DL_DatRqConnErr                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                         |          |
| <b>Comments:</b>           | To send a CC CONNECT message containing a mandatory IE coded as comprehension required. |          |
| Parameter Name             | Parameter Value                                                                         | Comments |
| sapi                       | C_Sap0                                                                                  |          |
| logic_ch                   | ch                                                                                      |          |
| msg                        | Connect_inv_01(Ti)                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                         |          |

| ASP Constraint Declaration |                                  |          |
|----------------------------|----------------------------------|----------|
| <b>Constraint Name:</b>    | ConnRcv(pdu: CONN_PDU)           |          |
| <b>ASP Type:</b>           | DL_DatInConn                     |          |
| <b>Derivation Path:</b>    |                                  |          |
| <b>Comments:</b>           | To receive a CC CONNECT message. |          |
| Parameter Name             | Parameter Value                  | Comments |
| sapi                       | C_Sap0                           |          |
| logic_ch                   | ?                                |          |
| msg                        | pdu                              |          |
| fn                         | ?                                |          |
| <b>Detailed Comments:</b>  |                                  |          |

| ASP Constraint Declaration |                                                           |          |
|----------------------------|-----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ConnRcv_01                                                |          |
| <b>ASP Type:</b>           | DL_DatInConn                                              |          |
| <b>Derivation Path:</b>    |                                                           |          |
| <b>Comments:</b>           | To match a received CONNECT message containing any value. |          |
| Parameter Name             | Parameter Value                                           | Comments |
| sapi                       | C_Sap0                                                    |          |
| logic_ch                   | ?                                                         |          |
| msg                        | Connect_01                                                |          |
| fn                         | ?                                                         |          |
| <b>Detailed Comments:</b>  |                                                           |          |

| ASP Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ConnRcv_03(ch:LOGICCH)                                                    |          |
| <b>ASP Type:</b>           | DL_DatInConn                                                              |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | To match a received CONNECT message containing any value on channel `ch`. |          |
| Parameter Name             | Parameter Value                                                           | Comments |
| sapi                       | C_Sap0                                                                    |          |
| logic_ch                   | ch                                                                        |          |
| msg                        | Connect_01                                                                |          |
| fn                         | ?                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| ASP Constraint Declaration |                                     |          |
|----------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>    | ConnSnd(ch: LOGICCH; pdu: CONN_PDU) |          |
| <b>ASP Type:</b>           | DL_DatRqConn                        |          |
| <b>Derivation Path:</b>    |                                     |          |
| <b>Comments:</b>           | To send a CC CONNECT message.       |          |
| Parameter Name             | Parameter Value                     | Comments |
| sapi                       | C_Sap0                              |          |
| logic_ch                   | ch                                  |          |
| msg                        | pdu                                 |          |
| <b>Detailed Comments:</b>  |                                     |          |

| ASP Constraint Declaration |                                           |          |
|----------------------------|-------------------------------------------|----------|
| <b>Constraint Name:</b>    | CphCmd(ch: LOGICCH; pdu: CPHM_CMD_PDU)    |          |
| <b>ASP Type:</b>           | DL_DatRqCphmCmd                           |          |
| <b>Derivation Path:</b>    |                                           |          |
| <b>Comments:</b>           | To send a CIPHERING MODE COMMAND message. |          |
| Parameter Name             | Parameter Value                           | Comments |
| sapi                       | C_Sap0                                    |          |
| logic_ch                   | ch                                        |          |
| msg                        | pdu                                       |          |
| <b>Detailed Comments:</b>  |                                           |          |

| ASP Constraint Declaration |                                                                                                         |          |
|----------------------------|---------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CphCmd_01(ch: LOGICCH)                                                                                  |          |
| <b>ASP Type:</b>           | DL_DatRqCphmCmd                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                         |          |
| <b>Comments:</b>           | To send a CIPHERING MODE COMMAND message with ciphering mode = "ciphering on" and IMEISV not included.. |          |
| Parameter Name             | Parameter Value                                                                                         | Comments |
| sapi                       | C_Sap0                                                                                                  |          |
| logic_ch                   | ch                                                                                                      |          |
| msg                        | CphModeCmd_01                                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                                         |          |

| ASP Constraint Declaration |                                                                                                         |          |
|----------------------------|---------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CphCmd_02(ch:LOGICCH)                                                                                   |          |
| <b>ASP Type:</b>           | DL_DatRqCphmCmd                                                                                         |          |
| <b>Derivation Path:</b>    | CphCmd_01.                                                                                              |          |
| <b>Comments:</b>           | To send a CIPHERING MODE COMMAND message with ciphering mode = no ciphering and IMEISV not be included. |          |
| Parameter Name             | Parameter Value                                                                                         | Comments |
| logic_ch                   | ch                                                                                                      |          |
| msg                        | CphModeCmd_02                                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                                         |          |

| ASP Constraint Declaration |                                                                                                  |          |
|----------------------------|--------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CphCmd_03(ch:LOGICCH)                                                                            |          |
| <b>ASP Type:</b>           | DL_DatRqCphmCmd                                                                                  |          |
| <b>Derivation Path:</b>    | CphCmd_01.                                                                                       |          |
| <b>Comments:</b>           | To send a CIPHERING MODE COMMAND message with ciphering mode = no ciphering and IMEISV included. |          |
| Parameter Name             | Parameter Value                                                                                  | Comments |
| logic_ch                   | ch                                                                                               |          |
| msg                        | CphModeCmd_03                                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                                  |          |

| ASP Constraint Declaration |                                           |          |
|----------------------------|-------------------------------------------|----------|
| <b>Constraint Name:</b>    | CphCmd_04(ch:LOGICCH)                     |          |
| <b>ASP Type:</b>           | DL_DatRqCphmCmd                           |          |
| <b>Derivation Path:</b>    |                                           |          |
| <b>Comments:</b>           | To send a CIPHERING MODE COMMAND message. |          |
| Parameter Name             | Parameter Value                           | Comments |
| sapi                       | C_Sap0                                    |          |
| logic_ch                   | ch                                        |          |
| msg                        | CphModeCmd_02                             |          |
| <b>Detailed Comments:</b>  |                                           |          |

| ASP Constraint Declaration |                                                             |          |
|----------------------------|-------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CphCmd_05(ch: LOGICCH)                                      |          |
| <b>ASP Type:</b>           | DL_DatRqCphmCmd                                             |          |
| <b>Derivation Path:</b>    |                                                             |          |
| <b>Comments:</b>           | To send a CIPHERING MODE COMMAND message with no ciphering. |          |
| Parameter Name             | Parameter Value                                             | Comments |
| sapi                       | C_Sap0                                                      |          |
| logic_ch                   | ch                                                          |          |
| msg                        | CphModeCmd_02                                               |          |
| <b>Detailed Comments:</b>  |                                                             |          |

| ASP Constraint Declaration |                                                                                       |          |
|----------------------------|---------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CphCmd_inv_01(ch:LOGICCH)                                                             |          |
| <b>ASP Type:</b>           | DL_DatRqCphmCmd                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                       |          |
| <b>Comments:</b>           | To send an invalid CIPHERING MODE COMMAND message in which mandatory IE's are missing |          |
| Parameter Name             | Parameter Value                                                                       | Comments |
| sapi                       | C_Sap0                                                                                |          |
| logic_ch                   | ch                                                                                    |          |
| msg                        | CphModeCmd_inv_01                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                       |          |

| ASP Constraint Declaration |                                                                         |          |
|----------------------------|-------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CphCmd_inv_02(ch:LOGICCH)                                               |          |
| <b>ASP Type:</b>           | DL_DatRqCphmCmd                                                         |          |
| <b>Derivation Path:</b>    |                                                                         |          |
| <b>Comments:</b>           | To send a CIPHERING MODE COMMAND message with incorrect skip indicator. |          |
| Parameter Name             | Parameter Value                                                         | Comments |
| sapi                       | C_Sap0                                                                  |          |
| logic_ch                   | ch                                                                      |          |
| msg                        | CphModeCmd_inv_02                                                       |          |
| <b>Detailed Comments:</b>  |                                                                         |          |

| ASP Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CphCmd_inv_03(ch:LOGICCH)                                                 |          |
| <b>ASP Type:</b>           | DL_DatRqCphmCmdErr                                                        |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | To send a CIPHERING MODE COMMAND message containing additional unknown IE |          |
| Parameter Name             | Parameter Value                                                           | Comments |
| sapi                       | C_Sap0                                                                    |          |
| logic_ch                   | ch                                                                        |          |
| msg                        | CphModeCmd_inv_03                                                         |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| ASP Constraint Declaration |                                                       |          |
|----------------------------|-------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CphCmp_01                                             |          |
| <b>ASP Type:</b>           | DL_DatInCphmCom                                       |          |
| <b>Derivation Path:</b>    |                                                       |          |
| <b>Comments:</b>           | To match any received CIPHERING MODE COMPLETE message |          |
| Parameter Name             | Parameter Value                                       | Comments |
| sapi                       | C_Sap0                                                |          |
| logic_ch                   | ?                                                     |          |
| msg                        | CphModeCmp_01                                         |          |
| fn                         | ?                                                     |          |
| <b>Detailed Comments:</b>  |                                                       |          |

| ASP Constraint Declaration |                                                                     |          |
|----------------------------|---------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CphCmp_02                                                           |          |
| <b>ASP Type:</b>           | DL_DatInCphmCom                                                     |          |
| <b>Derivation Path:</b>    | CphCmp_01.                                                          |          |
| <b>Comments:</b>           | To match a received CIPHERING MODE COMPLETE message without IMEISV. |          |
| Parameter Name             | Parameter Value                                                     | Comments |
| msg                        | CphModeCmp_02                                                       |          |
| <b>Detailed Comments:</b>  |                                                                     |          |

| ASP Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CphCmp_03                                                             |          |
| <b>ASP Type:</b>           | DL_DatInCphmCom                                                       |          |
| <b>Derivation Path:</b>    | CphCmp_01.                                                            |          |
| <b>Comments:</b>           | To match a received CIPHERING MODE COMPLETE message containing IMEISV |          |
| Parameter Name             | Parameter Value                                                       | Comments |
| msg                        | CphModeCmp_03                                                         |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| ASP Constraint Declaration |                                               |          |
|----------------------------|-----------------------------------------------|----------|
| <b>Constraint Name:</b>    | CphCom(pdu: CPHM_COM_PDU)                     |          |
| <b>ASP Type:</b>           | DL_DatInCphmCom                               |          |
| <b>Derivation Path:</b>    |                                               |          |
| <b>Comments:</b>           | To receive a CIPHERING MODE COMPLETE message. |          |
| Parameter Name             | Parameter Value                               | Comments |
| sapi                       | C_Sap0                                        |          |
| logic_ch                   | ?                                             |          |
| msg                        | pdu                                           |          |
| fn                         | ?                                             |          |
| <b>Detailed Comments:</b>  |                                               |          |

| ASP Constraint Declaration |                                                                                          |          |
|----------------------------|------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Disc_inv_01(ch: LOGICCH)                                                                 |          |
| <b>ASP Type:</b>           | DL_DatRqDisc                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                          |          |
| <b>Comments:</b>           | To send a DISCONNECT message containing the transaction ID not refer to the active call. |          |
| Parameter Name             | Parameter Value                                                                          | Comments |
| sapi                       | C_Sap0                                                                                   |          |
| logic_ch                   | ch                                                                                       |          |
| msg                        | Disconn_inv_01                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                          |          |

| ASP Constraint Declaration |                                                                        |          |
|----------------------------|------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Disc_inv_02(ch: LOGICCH)                                               |          |
| <b>ASP Type:</b>           | DL_DatRqDisc                                                           |          |
| <b>Derivation Path:</b>    |                                                                        |          |
| <b>Comments:</b>           | To send an invalid DISCONNECT message with mandatory IE cause missing. |          |
| Parameter Name             | Parameter Value                                                        | Comments |
| sapi                       | C_Sap0                                                                 |          |
| logic_ch                   | ch                                                                     |          |
| msg                        | Disconn_inv_02                                                         |          |
| <b>Detailed Comments:</b>  |                                                                        |          |

| ASP Constraint Declaration |                                                     |          |
|----------------------------|-----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Disc_inv_03(ch:LOGICCH)                             |          |
| <b>ASP Type:</b>           | DL_DatRqDiscErr                                     |          |
| <b>Derivation Path:</b>    |                                                     |          |
| <b>Comments:</b>           | To send a DISCONNECT message containing unknown IEI |          |
| Parameter Name             | Parameter Value                                     | Comments |
| sapi                       | C_Sap0                                              |          |
| logic_ch                   | ch                                                  |          |
| msg                        | Disconn_inv_03                                      |          |
| <b>Detailed Comments:</b>  |                                                     |          |



| ASP Constraint Declaration |                                                              |          |
|----------------------------|--------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Disc_inv_04(ch:LOGICCH)                                      |          |
| <b>ASP Type:</b>           | DL_DatRqDisc                                                 |          |
| <b>Derivation Path:</b>    |                                                              |          |
| <b>Comments:</b>           | To send a DISCONNECT message containing arbitrary spare bits |          |
| Parameter Name             | Parameter Value                                              | Comments |
| sapi                       | C_Sap0                                                       |          |
| logic_ch                   | ch                                                           |          |
| msg                        | Disconn_inv_04                                               |          |
| <b>Detailed Comments:</b>  |                                                              |          |

| ASP Constraint Declaration |                                                                     |          |
|----------------------------|---------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Disc_inv_05(ch: LOGICCH)                                            |          |
| <b>ASP Type:</b>           | DL_DatRqDisc                                                        |          |
| <b>Derivation Path:</b>    |                                                                     |          |
| <b>Comments:</b>           | To send a DISCONNECT message containing the transaction ID '0111'B. |          |
| Parameter Name             | Parameter Value                                                     | Comments |
| sapi                       | C_Sap0                                                              |          |
| logic_ch                   | ch                                                                  |          |
| msg                        | Disconn_inv_05                                                      |          |
| <b>Detailed Comments:</b>  |                                                                     |          |

| ASP Constraint Declaration |                                         |          |
|----------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>    | DiscRcv(ch:LOGICCH; pdu: DISC_PDU)      |          |
| <b>ASP Type:</b>           | DL_DatInDisc                            |          |
| <b>Derivation Path:</b>    |                                         |          |
| <b>Comments:</b>           | To match a received DISCONNECT message. |          |
| Parameter Name             | Parameter Value                         | Comments |
| sapi                       | C_Sap0                                  |          |
| logic_ch                   | ch                                      |          |
| msg                        | pdu                                     |          |
| fn                         | ?                                       |          |
| <b>Detailed Comments:</b>  |                                         |          |

| ASP Constraint Declaration |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | DiscSnd(ch:LOGICCH; pdu: DISC_PDU) |          |
| <b>ASP Type:</b>           | DL_DatRqDisc                       |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           | To send a DISCONNECT message.      |          |
| Parameter Name             | Parameter Value                    | Comments |
| sapi                       | C_Sap0                             |          |
| logic_ch                   | ch                                 |          |
| msg                        | pdu                                |          |
| <b>Detailed Comments:</b>  |                                    |          |

| ASP Constraint Declaration |                                                                                                       |          |
|----------------------------|-------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | DLEstCo_01(ch:LOGICCH)                                                                                |          |
| <b>ASP Type:</b>           | DL_EstCo                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                       |          |
| <b>Comments:</b>           | The ASP is used by the L2 to inform the L3 about the establishment of multiple frame link (L2 -> L3). |          |
| Parameter Name             | Parameter Value                                                                                       | Comments |
| sapi                       | C_Sap3                                                                                                |          |
| logic_ch                   | ch                                                                                                    |          |
| establish_mode             | C_Norm                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                       |          |

| ASP Constraint Declaration |                                                                                                       |          |
|----------------------------|-------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | DLEstCo_02(ch: LOGICCH)                                                                               |          |
| <b>ASP Type:</b>           | DL_EstCo                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                       |          |
| <b>Comments:</b>           | The ASP is used by the L2 to inform the L3 about the establishment of multiple frame link (L2 -> L3). |          |
| Parameter Name             | Parameter Value                                                                                       | Comments |
| sapi                       | C_Sap3                                                                                                |          |
| logic_ch                   | ch                                                                                                    |          |
| establish_mode             | C_Norm                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                       |          |

| ASP Constraint Declaration |                                               |          |
|----------------------------|-----------------------------------------------|----------|
| <b>Constraint Name:</b>    | DLEstRq_01(ch:LOGICCH)                        |          |
| <b>ASP Type:</b>           | DL_EstRq                                      |          |
| <b>Derivation Path:</b>    |                                               |          |
| <b>Comments:</b>           | Request of a layer 2 connection establishment |          |
| Parameter Name             | Parameter Value                               | Comments |
| sapi                       | C_Sap3                                        |          |
| logic_ch                   | ch                                            |          |
| establish_mode             | C_Norm                                        |          |
| <b>Detailed Comments:</b>  |                                               |          |

| ASP Constraint Declaration |                                               |          |
|----------------------------|-----------------------------------------------|----------|
| <b>Constraint Name:</b>    | DLEstRq_02(ch: LOGICCH)                       |          |
| <b>ASP Type:</b>           | DL_EstRq                                      |          |
| <b>Derivation Path:</b>    |                                               |          |
| <b>Comments:</b>           | Request of a layer 2 connection establishment |          |
| Parameter Name             | Parameter Value                               | Comments |
| sapi                       | C_Sap3                                        |          |
| logic_ch                   | ch                                            |          |
| establish_mode             | C_Norm                                        |          |
| <b>Detailed Comments:</b>  |                                               |          |

| ASP Constraint Declaration |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | DLEstInd(ch :LOGICCH)                            |          |
| <b>ASP Type:</b>           | DL_EstIn                                         |          |
| <b>Derivation Path:</b>    |                                                  |          |
| <b>Comments:</b>           | Indication of a layer 2 connection establishment |          |
| Parameter Name             | Parameter Value                                  | Comments |
| sapi                       | C_Sap0                                           |          |
| logic_ch                   | ch                                               |          |
| establish_mode             | ?                                                |          |
| fn                         | ?                                                |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| ASP Constraint Declaration |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | DLEstInd_01                                      |          |
| <b>ASP Type:</b>           | DL_EstIn                                         |          |
| <b>Derivation Path:</b>    |                                                  |          |
| <b>Comments:</b>           | Indication of a layer 2 connection establishment |          |
| Parameter Name             | Parameter Value                                  | Comments |
| sapi                       | C_Sap0                                           |          |
| logic_ch                   | ?                                                |          |
| establish_mode             | ?                                                |          |
| fn                         | ?                                                |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| ASP Constraint Declaration |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | DLEstInd_02                                      |          |
| <b>ASP Type:</b>           | DL_EstIn                                         |          |
| <b>Derivation Path:</b>    |                                                  |          |
| <b>Comments:</b>           | Indication of a layer 2 connection establishment |          |
| Parameter Name             | Parameter Value                                  | Comments |
| sapi                       | C_Sap3                                           |          |
| logic_ch                   | ?                                                |          |
| establish_mode             | ?                                                |          |
| fn                         | ?                                                |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| ASP Constraint Declaration |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | DLRelInd_01                                                     |          |
| <b>ASP Type:</b>           | DL_RelIn                                                        |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | Layer 2 indication of the layer 2 connection has been released. |          |
| Parameter Name             | Parameter Value                                                 | Comments |
| sapi                       | C_Sap0                                                          |          |
| logic_ch                   | ?                                                               |          |
| release_mode               | ?                                                               |          |
| outstanding_indicator      | ?                                                               |          |
| fn                         | ?                                                               |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| ASP Constraint Declaration |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | DLRelInd_02                                                     |          |
| <b>ASP Type:</b>           | DL_Relln                                                        |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | Layer 2 indication of the layer 2 connection has been released. |          |
| Parameter Name             | Parameter Value                                                 | Comments |
| sapi                       | C_Sap0                                                          |          |
| logic_ch                   | ?                                                               |          |
| release_mode               | C_LocEndRel                                                     |          |
| outstanding_indicator      | ?                                                               |          |
| fn                         | ?                                                               |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| ASP Constraint Declaration |                                                                                                                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ESetupInd_01                                                                                                                                                                                |          |
| <b>ASP Type:</b>           | DL_DatInESetup                                                                                                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                             |          |
| <b>Comments:</b>           | To receive a SETUP message containing full rate speech bearer capability. It is also used in the test cases where the value of bearer capability is not care . It is used in MM test cases. |          |
| Parameter Name             | Parameter Value                                                                                                                                                                             | Comments |
| sapi                       | C_Sap0                                                                                                                                                                                      |          |
| logic_ch                   | ?                                                                                                                                                                                           |          |
| msg                        | ESetup_01                                                                                                                                                                                   |          |
| fn                         | ?                                                                                                                                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                             |          |

| ASP Constraint Declaration |                                                                                                                                                     |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ESetupInd_02                                                                                                                                        |          |
| <b>ASP Type:</b>           | DL_DatInESetup                                                                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                                                                                     |          |
| <b>Comments:</b>           | To receive a emergency call SETUP message containing bearer capability IE indicating "full rate channel" or containing no bearer capability at all. |          |
| Parameter Name             | Parameter Value                                                                                                                                     | Comments |
| sapi                       | C_Sap0                                                                                                                                              |          |
| logic_ch                   | ?                                                                                                                                                   |          |
| msg                        | ESetup_02                                                                                                                                           |          |
| fn                         | ?                                                                                                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                     |          |

| ASP Constraint Declaration |                                                                            |          |
|----------------------------|----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ESetupInd_03                                                               |          |
| <b>ASP Type:</b>           | DL_DatInESetup                                                             |          |
| <b>Derivation Path:</b>    | ESetupInd_02.                                                              |          |
| <b>Comments:</b>           | To receive a emergency call SETUP message containing bearer capability IE. |          |
| Parameter Name             | Parameter Value                                                            | Comments |
| msg                        | ESetup_03                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                            |          |

| ASP Constraint Declaration |                                             |          |
|----------------------------|---------------------------------------------|----------|
| <b>Constraint Name:</b>    | ESetupRcv(pdu: ESETUP_PDU)                  |          |
| <b>ASP Type:</b>           | DL_DatInESetup                              |          |
| <b>Derivation Path:</b>    |                                             |          |
| <b>Comments:</b>           | To receive an emergency call SETUP message. |          |
| Parameter Name             | Parameter Value                             | Comments |
| sapi                       | C_Sap0                                      |          |
| logic_ch                   | ?                                           |          |
| msg                        | pdu                                         |          |
| fn                         | ?                                           |          |
| <b>Detailed Comments:</b>  |                                             |          |

| ASP Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_01(Ti :TI)                                                   |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                           |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | To receive a FACILITY message containing Register SSoperation (CFNRy) |          |
| Parameter Name             | Parameter Value                                                       | Comments |
| sapi                       | C_Sap0                                                                |          |
| logic_ch                   | ?                                                                     |          |
| msg                        | FacilityPdu_01(Ti)                                                    |          |
| fn                         | ?                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| ASP Constraint Declaration |                                                                     |          |
|----------------------------|---------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_02(Ti :TI)                                                 |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                         |          |
| <b>Derivation Path:</b>    |                                                                     |          |
| <b>Comments:</b>           | To receive a FACILITY message containing Register SSoperation (CFU) |          |
| Parameter Name             | Parameter Value                                                     | Comments |
| sapi                       | C_Sap0                                                              |          |
| logic_ch                   | ?                                                                   |          |
| msg                        | FacilityPdu_03(Ti)                                                  |          |
| fn                         | ?                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                     |          |

| ASP Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_03(Ti, Ti1 :TI)                                          |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                       |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | To receive a FACILITY message containing build multiparty request |          |
| Parameter Name             | Parameter Value                                                   | Comments |
| sapi                       | C_Sap0                                                            |          |
| logic_ch                   | ?                                                                 |          |
| msg                        | FacilityPdu_04(Ti, Ti1)                                           |          |
| fn                         | ?                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| ASP Constraint Declaration |                                 |          |
|----------------------------|---------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_04(Ti :TI)             |          |
| <b>ASP Type:</b>           | DL_DatInFac                     |          |
| <b>Derivation Path:</b>    |                                 |          |
| <b>Comments:</b>           | To receive any FACILITY message |          |
| Parameter Name             | Parameter Value                 | Comments |
| sapi                       | C_Sap0                          |          |
| logic_ch                   | ?                               |          |
| msg                        | FacilityPdu_05(Ti)              |          |
| fn                         | ?                               |          |
| <b>Detailed Comments:</b>  |                                 |          |

| ASP Constraint Declaration |                                                                                                   |          |
|----------------------------|---------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_05(Ti :TI)                                                                               |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                                   |          |
| <b>Comments:</b>           | To receive a FACILITY message containing Register SSoperation (CFB for all asynchronous services) |          |
| Parameter Name             | Parameter Value                                                                                   | Comments |
| sapi                       | C_Sap0                                                                                            |          |
| logic_ch                   | ?                                                                                                 |          |
| msg                        | FacilityPdu_07(Ti)                                                                                |          |
| fn                         | ?                                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                   |          |

| ASP Constraint Declaration |                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_06(Ti :TI)                                                                  |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                      |          |
| <b>Comments:</b>           | To receive a FACILITY message containing Register SSoperation (CF for all facsimile) |          |
| Parameter Name             | Parameter Value                                                                      | Comments |
| sapi                       | C_Sap0                                                                               |          |
| logic_ch                   | ?                                                                                    |          |
| msg                        | FacilityPdu_08(Ti)                                                                   |          |
| fn                         | ?                                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                      |          |

| ASP Constraint Declaration |                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_07(Ti :TI)                                                                |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                    |          |
| <b>Comments:</b>           | To receive a FACILITY message containing Erase SSoperation (CFC for all facsimile) |          |
| Parameter Name             | Parameter Value                                                                    | Comments |
| sapi                       | C_Sap0                                                                             |          |
| logic_ch                   | ?                                                                                  |          |
| msg                        | FacilityPdu_09(Ti)                                                                 |          |
| fn                         | ?                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                    |          |

| ASP Constraint Declaration |                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_08(Ti :Ti)                                                                       |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                           |          |
| <b>Comments:</b>           | To receive a FACILITY message containing Erase SSoperation (CFNRc for all basic services) |          |
| Parameter Name             | Parameter Value                                                                           | Comments |
| sapi                       | C_Sap0                                                                                    |          |
| logic_ch                   | ?                                                                                         |          |
| msg                        | FacilityPdu_10(Ti)                                                                        |          |
| fn                         | ?                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                           |          |

| ASP Constraint Declaration |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_09(Ti :Ti)                                                            |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                |          |
| <b>Comments:</b>           | To receive a FACILITY message containing Erase SSoperation (CFU for telephony) |          |
| Parameter Name             | Parameter Value                                                                | Comments |
| sapi                       | C_Sap0                                                                         |          |
| logic_ch                   | ?                                                                              |          |
| msg                        | FacilityPdu_11(Ti)                                                             |          |
| fn                         | ?                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| ASP Constraint Declaration |                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_10(Ti :Ti)                                                                  |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                      |          |
| <b>Comments:</b>           | To receive a FACILITY message containing Erase SSoperation (CFNRy for all facsimile) |          |
| Parameter Name             | Parameter Value                                                                      | Comments |
| sapi                       | C_Sap0                                                                               |          |
| logic_ch                   | ?                                                                                    |          |
| msg                        | FacilityPdu_12(Ti)                                                                   |          |
| fn                         | ?                                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                      |          |

| ASP Constraint Declaration |                                                                                                   |          |
|----------------------------|---------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_11(Ti :Ti)                                                                               |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                                   |          |
| <b>Comments:</b>           | To receive a FACILITY message containing Activation SSoperation (CF for all synchronous services) |          |
| Parameter Name             | Parameter Value                                                                                   | Comments |
| sapi                       | C_Sap0                                                                                            |          |
| logic_ch                   | ?                                                                                                 |          |
| msg                        | FacilityPdu_14(Ti)                                                                                |          |
| fn                         | ?                                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                   |          |

| ASP Constraint Declaration |                                                                                              |          |
|----------------------------|----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_12(Ti :TI)                                                                          |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                              |          |
| <b>Comments:</b>           | To receive a FACILITY message containing Activation SSoperation (CFU for all basic services) |          |
| Parameter Name             | Parameter Value                                                                              | Comments |
| sapi                       | C_Sap0                                                                                       |          |
| logic_ch                   | ?                                                                                            |          |
| msg                        | FacilityPdu_15(Ti)                                                                           |          |
| fn                         | ?                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                              |          |

| ASP Constraint Declaration |                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_13(Ti :TI)                                                                |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                    |          |
| <b>Comments:</b>           | To receive a FACILITY message containing Deactivation SSoperation (CFC for speech) |          |
| Parameter Name             | Parameter Value                                                                    | Comments |
| sapi                       | C_Sap0                                                                             |          |
| logic_ch                   | ?                                                                                  |          |
| msg                        | FacilityPdu_17(Ti)                                                                 |          |
| fn                         | ?                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                    |          |

| ASP Constraint Declaration |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_14(Ti :TI)                                                                         |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                             |          |
| <b>Comments:</b>           | To receive a FACILITY message containing Deactivation SSoperation (CFNRc for all facsimile) |          |
| Parameter Name             | Parameter Value                                                                             | Comments |
| sapi                       | C_Sap0                                                                                      |          |
| logic_ch                   | ?                                                                                           |          |
| msg                        | FacilityPdu_18(Ti)                                                                          |          |
| fn                         | ?                                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| ASP Constraint Declaration |                                                                                                 |          |
|----------------------------|-------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_15(Ti :TI)                                                                             |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                 |          |
| <b>Comments:</b>           | To receive a FACILITY message containing Interrogation SSoperation (CFB for all basic services) |          |
| Parameter Name             | Parameter Value                                                                                 | Comments |
| sapi                       | C_Sap0                                                                                          |          |
| logic_ch                   | ?                                                                                               |          |
| msg                        | FacilityPdu_20(Ti)                                                                              |          |
| fn                         | ?                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                 |          |



| ASP Constraint Declaration |                                                                                          |          |
|----------------------------|------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_16(Ti :TI)                                                                      |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                          |          |
| <b>Comments:</b>           | To receive a FACILITY message containing Interrogation SSoperation (CFNRy for Telephony) |          |
| Parameter Name             | Parameter Value                                                                          | Comments |
| sapi                       | C_Sap0                                                                                   |          |
| logic_ch                   | ?                                                                                        |          |
| msg                        | FacilityPdu_21(Ti)                                                                       |          |
| fn                         | ?                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                          |          |

| ASP Constraint Declaration |                                                                                                   |          |
|----------------------------|---------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_17(Ti :TI)                                                                               |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                                   |          |
| <b>Comments:</b>           | To receive a FACILITY message containing Interrogation SSoperation (CFNRc for all basic services) |          |
| Parameter Name             | Parameter Value                                                                                   | Comments |
| sapi                       | C_Sap0                                                                                            |          |
| logic_ch                   | ?                                                                                                 |          |
| msg                        | FacilityPdu_23(Ti)                                                                                |          |
| fn                         | ?                                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                   |          |

| ASP Constraint Declaration |                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_18(Ti :TI)                                                                        |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                            |          |
| <b>Comments:</b>           | To receive a FACILITY message containing Interrogation SSoperation (CFB for all facsimile) |          |
| Parameter Name             | Parameter Value                                                                            | Comments |
| sapi                       | C_Sap0                                                                                     |          |
| logic_ch                   | ?                                                                                          |          |
| msg                        | FacilityPdu_24(Ti)                                                                         |          |
| fn                         | ?                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                            |          |

| ASP Constraint Declaration |                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_19(Ti :TI)                                                                       |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                           |          |
| <b>Comments:</b>           | To receive a FACILITY message containing ReturnResult for ForwardChargeAdvice SSoperation |          |
| Parameter Name             | Parameter Value                                                                           | Comments |
| sapi                       | C_Sap0                                                                                    |          |
| logic_ch                   | ?                                                                                         |          |
| msg                        | FacilityPdu_26(Ti)                                                                        |          |
| fn                         | ?                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                           |          |

| ASP Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_20(Ti :TI)                                               |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                       |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | To receive a FACILITY message containing registration of password |          |
| Parameter Name             | Parameter Value                                                   | Comments |
| sapi                       | C_Sap0                                                            |          |
| logic_ch                   | ?                                                                 |          |
| msg                        | FacilityPdu_39(Ti)                                                |          |
| fn                         | ?                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| ASP Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_21(Ti :TI)                                                   |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                           |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | To receive a FACILITY message containing ReturnResult for Getpassword |          |
| Parameter Name             | Parameter Value                                                       | Comments |
| sapi                       | C_Sap0                                                                |          |
| logic_ch                   | ?                                                                     |          |
| msg                        | FacilityPdu_41(Ti)                                                    |          |
| fn                         | ?                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| ASP Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_22(Ti :TI)                                                   |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                           |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | To receive a FACILITY message containing ReturnResult for Getpassword |          |
| Parameter Name             | Parameter Value                                                       | Comments |
| sapi                       | C_Sap0                                                                |          |
| logic_ch                   | ?                                                                     |          |
| msg                        | FacilityPdu_44(Ti)                                                    |          |
| fn                         | ?                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| ASP Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_23(Ti :TI)                                                   |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                           |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | To receive a FACILITY message containing ReturnResult for Getpassword |          |
| Parameter Name             | Parameter Value                                                       | Comments |
| sapi                       | C_Sap0                                                                |          |
| logic_ch                   | ?                                                                     |          |
| msg                        | FacilityPdu_45(Ti)                                                    |          |
| fn                         | ?                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| ASP Constraint Declaration |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_24(Ti :Ti)                                            |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                    |          |
| <b>Derivation Path:</b>    |                                                                |          |
| <b>Comments:</b>           | To receive a FACILITY message containing activation invocation |          |
| Parameter Name             | Parameter Value                                                | Comments |
| sapi                       | C_Sap0                                                         |          |
| logic_ch                   | ?                                                              |          |
| msg                        | FacilityPdu_46(Ti)                                             |          |
| fn                         | ?                                                              |          |
| <b>Detailed Comments:</b>  |                                                                |          |

| ASP Constraint Declaration |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_25(Ti :Ti)                                            |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                    |          |
| <b>Derivation Path:</b>    |                                                                |          |
| <b>Comments:</b>           | To receive a FACILITY message containing activation invocation |          |
| Parameter Name             | Parameter Value                                                | Comments |
| sapi                       | C_Sap0                                                         |          |
| logic_ch                   | ?                                                              |          |
| msg                        | FacilityPdu_48(Ti)                                             |          |
| fn                         | ?                                                              |          |
| <b>Detailed Comments:</b>  |                                                                |          |

| ASP Constraint Declaration |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_26(Ti :Ti)                                            |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                    |          |
| <b>Derivation Path:</b>    |                                                                |          |
| <b>Comments:</b>           | To receive a FACILITY message containing activation invocation |          |
| Parameter Name             | Parameter Value                                                | Comments |
| sapi                       | C_Sap0                                                         |          |
| logic_ch                   | ?                                                              |          |
| msg                        | FacilityPdu_49(Ti)                                             |          |
| fn                         | ?                                                              |          |
| <b>Detailed Comments:</b>  |                                                                |          |

| ASP Constraint Declaration |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_27(Ti :Ti)                                            |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                    |          |
| <b>Derivation Path:</b>    |                                                                |          |
| <b>Comments:</b>           | To receive a FACILITY message containing activation invocation |          |
| Parameter Name             | Parameter Value                                                | Comments |
| sapi                       | C_Sap0                                                         |          |
| logic_ch                   | ?                                                              |          |
| msg                        | FacilityPdu_50(Ti)                                             |          |
| fn                         | ?                                                              |          |
| <b>Detailed Comments:</b>  |                                                                |          |

| ASP Constraint Declaration |                                                                      |          |
|----------------------------|----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_28(Ti :TI)                                                  |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                          |          |
| <b>Derivation Path:</b>    |                                                                      |          |
| <b>Comments:</b>           | To receive a FACILITY message containing invocation of deactivation. |          |
| Parameter Name             | Parameter Value                                                      | Comments |
| sapi                       | C_Sap0                                                               |          |
| logic_ch                   | ?                                                                    |          |
| msg                        | FacilityPdu_51(Ti)                                                   |          |
| fn                         | ?                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                      |          |

| ASP Constraint Declaration |                                                                      |          |
|----------------------------|----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_29(Ti :TI)                                                  |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                          |          |
| <b>Derivation Path:</b>    |                                                                      |          |
| <b>Comments:</b>           | To receive a FACILITY message containing invocation of deactivation. |          |
| Parameter Name             | Parameter Value                                                      | Comments |
| sapi                       | C_Sap0                                                               |          |
| logic_ch                   | ?                                                                    |          |
| msg                        | FacilityPdu_53(Ti)                                                   |          |
| fn                         | ?                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                      |          |

| ASP Constraint Declaration |                                                                      |          |
|----------------------------|----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_30(Ti :TI)                                                  |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                          |          |
| <b>Derivation Path:</b>    |                                                                      |          |
| <b>Comments:</b>           | To receive a FACILITY message containing invocation of deactivation. |          |
| Parameter Name             | Parameter Value                                                      | Comments |
| sapi                       | C_Sap0                                                               |          |
| logic_ch                   | ?                                                                    |          |
| msg                        | FacilityPdu_54(Ti)                                                   |          |
| fn                         | ?                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                      |          |

| ASP Constraint Declaration |                                                                      |          |
|----------------------------|----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_31(Ti :TI)                                                  |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                          |          |
| <b>Derivation Path:</b>    |                                                                      |          |
| <b>Comments:</b>           | To receive a FACILITY message containing invocation of deactivation. |          |
| Parameter Name             | Parameter Value                                                      | Comments |
| sapi                       | C_Sap0                                                               |          |
| logic_ch                   | ?                                                                    |          |
| msg                        | FacilityPdu_55(Ti)                                                   |          |
| fn                         | ?                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                      |          |

| ASP Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_32(Ti :Ti)                                                   |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                           |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | To receive a FACILITY message containing invocation of interrogation. |          |
| Parameter Name             | Parameter Value                                                       | Comments |
| sapi                       | C_Sap0                                                                |          |
| logic_ch                   | ?                                                                     |          |
| msg                        | FacilityPdu_56(Ti)                                                    |          |
| fn                         | ?                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| ASP Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_33(Ti :Ti)                                                   |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                           |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | To receive a FACILITY message containing invocation of interrogation. |          |
| Parameter Name             | Parameter Value                                                       | Comments |
| sapi                       | C_Sap0                                                                |          |
| logic_ch                   | ?                                                                     |          |
| msg                        | FacilityPdu_57(Ti)                                                    |          |
| fn                         | ?                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| ASP Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_34(Ti :Ti)                                                   |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                           |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | To receive a FACILITY message containing invocation of interrogation. |          |
| Parameter Name             | Parameter Value                                                       | Comments |
| sapi                       | C_Sap0                                                                |          |
| logic_ch                   | ?                                                                     |          |
| msg                        | FacilityPdu_58(Ti)                                                    |          |
| fn                         | ?                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| ASP Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_35(Ti :Ti)                                                   |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                           |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | To receive a FACILITY message containing invocation of interrogation. |          |
| Parameter Name             | Parameter Value                                                       | Comments |
| sapi                       | C_Sap0                                                                |          |
| logic_ch                   | ?                                                                     |          |
| msg                        | FacilityPdu_59(Ti)                                                    |          |
| fn                         | ?                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| ASP Constraint Declaration |                                                                  |          |
|----------------------------|------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_36(Ti :TI; Invkid: OCTETSTRING)                         |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                      |          |
| <b>Derivation Path:</b>    |                                                                  |          |
| <b>Comments:</b>           | To receive a FACILITY message containing an empty Return Result. |          |
| Parameter Name             | Parameter Value                                                  | Comments |
| sapi                       | C_Sap0                                                           |          |
| logic_ch                   | ?                                                                |          |
| msg                        | FacilityPdu_63(Ti, Invkid)                                       |          |
| fn                         | ?                                                                |          |
| <b>Detailed Comments:</b>  |                                                                  |          |

| ASP Constraint Declaration |                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Facility_37(Ti :TI; Invkid: OCTETSTRING; ussdString: IA5String)                    |          |
| <b>ASP Type:</b>           | DL_DatInFac                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                    |          |
| <b>Comments:</b>           | To receive a FACILITY message containing Return Result for UnstructuredSS-Request. |          |
| Parameter Name             | Parameter Value                                                                    | Comments |
| sapi                       | C_Sap0                                                                             |          |
| logic_ch                   | ?                                                                                  |          |
| msg                        | FacilityPdu_64(Ti, Invkid, ussdString)                                             |          |
| fn                         | ?                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                    |          |

| ASP Constraint Declaration |                                                                                     |          |
|----------------------------|-------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityRq_01(ch:LOGICCH; Ti :TI; Invkid:OCTETSTRING)                               |          |
| <b>ASP Type:</b>           | DL_DatRqFac                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                     |          |
| <b>Comments:</b>           | To send a FACILITY message containing ReturnResult for Register SSoperation (CFNRy) |          |
| Parameter Name             | Parameter Value                                                                     | Comments |
| sapi                       | C_Sap0                                                                              |          |
| logic_ch                   | ch                                                                                  |          |
| msg                        | FacilityPdu_02(Ti,Invkid)                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                     |          |

| ASP Constraint Declaration |                                                        |          |
|----------------------------|--------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityRq_02(ch:LOGICCH; Ti :TI)                      |          |
| <b>ASP Type:</b>           | DL_DatRqFac                                            |          |
| <b>Derivation Path:</b>    |                                                        |          |
| <b>Comments:</b>           | To send a FACILITY message containing AOCC information |          |
| Parameter Name             | Parameter Value                                        | Comments |
| sapi                       | C_Sap0                                                 |          |
| logic_ch                   | ch                                                     |          |
| msg                        | FacilityPdu_06(Ti)                                     |          |
| <b>Detailed Comments:</b>  |                                                        |          |

| ASP Constraint Declaration |                                                                             |          |
|----------------------------|-----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityRq_03(ch:LOGICCH; Ti :TI; Invkid:OCTETSTRING)                       |          |
| <b>ASP Type:</b>           | DL_DatRqFac                                                                 |          |
| <b>Derivation Path:</b>    |                                                                             |          |
| <b>Comments:</b>           | To send a FACILITY message containing ReturnResult for Erasure SSooperation |          |
| Parameter Name             | Parameter Value                                                             | Comments |
| sapi                       | C_Sap0                                                                      |          |
| logic_ch                   | ch                                                                          |          |
| msg                        | FacilityPdu_13(Ti, Invkid)                                                  |          |
| <b>Detailed Comments:</b>  |                                                                             |          |

| ASP Constraint Declaration |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityRq_04(ch:LOGICCH; Ti :TI; Invkid:OCTETSTRING)         |          |
| <b>ASP Type:</b>           | DL_DatRqFac                                                   |          |
| <b>Derivation Path:</b>    |                                                               |          |
| <b>Comments:</b>           | To send a FACILITY message containing Activation ReturnResult |          |
| Parameter Name             | Parameter Value                                               | Comments |
| sapi                       | C_Sap0                                                        |          |
| logic_ch                   | ch                                                            |          |
| msg                        | FacilityPdu_16(Ti, Invkid)                                    |          |
| <b>Detailed Comments:</b>  |                                                               |          |

| ASP Constraint Declaration |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityRq_05(ch:LOGICCH; Ti :TI; Invkid:OCTETSTRING)           |          |
| <b>ASP Type:</b>           | DL_DatRqFac                                                     |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | To send a FACILITY message containing Deactivation ReturnResult |          |
| Parameter Name             | Parameter Value                                                 | Comments |
| sapi                       | C_Sap0                                                          |          |
| logic_ch                   | ch                                                              |          |
| msg                        | FacilityPdu_19(Ti, Invkid)                                      |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| ASP Constraint Declaration |                                                                  |          |
|----------------------------|------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityRq_06(ch:LOGICCH; Ti :TI; Invkid:OCTETSTRING)            |          |
| <b>ASP Type:</b>           | DL_DatRqFac                                                      |          |
| <b>Derivation Path:</b>    |                                                                  |          |
| <b>Comments:</b>           | To send a FACILITY message containing Interrogation ReturnResult |          |
| Parameter Name             | Parameter Value                                                  | Comments |
| sapi                       | C_Sap0                                                           |          |
| logic_ch                   | ch                                                               |          |
| msg                        | FacilityPdu_22(Ti, Invkid)                                       |          |
| <b>Detailed Comments:</b>  |                                                                  |          |

| ASP Constraint Declaration |                                                                  |          |
|----------------------------|------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityRq_07(ch:LOGICCH; Ti :TI)                                |          |
| <b>ASP Type:</b>           | DL_DatRqFac                                                      |          |
| <b>Derivation Path:</b>    |                                                                  |          |
| <b>Comments:</b>           | To send a FACILITY message containing Interrogation ReturnResult |          |
| Parameter Name             | Parameter Value                                                  | Comments |
| sapi                       | C_Sap0                                                           |          |
| logic_ch                   | ch                                                               |          |
| msg                        | FacilityPdu_25(Ti)                                               |          |
| <b>Detailed Comments:</b>  |                                                                  |          |

| ASP Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityRq_08(ch:LOGICCH; Ti :TI)                                     |          |
| <b>ASP Type:</b>           | DL_DatRqFac                                                           |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | To send a FACILITY message containing ForwardChargeAdvice SSoperation |          |
| Parameter Name             | Parameter Value                                                       | Comments |
| sapi                       | C_Sap0                                                                |          |
| logic_ch                   | ch                                                                    |          |
| msg                        | FacilityPdu_27(Ti)                                                    |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| ASP Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityRq_09(ch:LOGICCH; Ti :TI)                                     |          |
| <b>ASP Type:</b>           | DL_DatRqFac                                                           |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | To send a FACILITY message containing ForwardChargeAdvice SSoperation |          |
| Parameter Name             | Parameter Value                                                       | Comments |
| sapi                       | C_Sap0                                                                |          |
| logic_ch                   | ch                                                                    |          |
| msg                        | FacilityPdu_28(Ti)                                                    |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| ASP Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityRq_10(ch:LOGICCH; Ti :TI)                                     |          |
| <b>ASP Type:</b>           | DL_DatRqFac                                                           |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | To send a FACILITY message containing ForwardChargeAdvice SSoperation |          |
| Parameter Name             | Parameter Value                                                       | Comments |
| sapi                       | C_Sap0                                                                |          |
| logic_ch                   | ch                                                                    |          |
| msg                        | FacilityPdu_29(Ti)                                                    |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| ASP Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityRq_11(ch:LOGICCH; Ti :TI)                                     |          |
| <b>ASP Type:</b>           | DL_DatRqFac                                                           |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | To send a FACILITY message containing ForwardChargeAdvice SSoperation |          |
| Parameter Name             | Parameter Value                                                       | Comments |
| sapi                       | C_Sap0                                                                |          |
| logic_ch                   | ch                                                                    |          |
| msg                        | FacilityPdu_30(Ti)                                                    |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| ASP Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityRq_12(ch:LOGICCH; Ti :TI)                                     |          |
| <b>ASP Type:</b>           | DL_DatRqFac                                                           |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | To send a FACILITY message containing ForwardChargeAdvice SSoperation |          |
| Parameter Name             | Parameter Value                                                       | Comments |
| sapi                       | C_Sap0                                                                |          |
| logic_ch                   | ch                                                                    |          |
| msg                        | FacilityPdu_31(Ti)                                                    |          |
| <b>Detailed Comments:</b>  |                                                                       |          |



| ASP Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityRq_13(ch:LOGICCH; Ti :TI)                                     |          |
| <b>ASP Type:</b>           | DL_DatRqFac                                                           |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | To send a FACILITY message containing ForwardChargeAdvice SSoperation |          |
| Parameter Name             | Parameter Value                                                       | Comments |
| sapi                       | C_Sap0                                                                |          |
| logic_ch                   | ch                                                                    |          |
| msg                        | FacilityPdu_32(Ti)                                                    |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| ASP Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityRq_14(ch:LOGICCH; Ti :TI)                                     |          |
| <b>ASP Type:</b>           | DL_DatRqFac                                                           |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | To send a FACILITY message containing ForwardChargeAdvice SSoperation |          |
| Parameter Name             | Parameter Value                                                       | Comments |
| sapi                       | C_Sap0                                                                |          |
| logic_ch                   | ch                                                                    |          |
| msg                        | FacilityPdu_33(Ti)                                                    |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| ASP Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityRq_15(ch:LOGICCH; Ti :TI)                                     |          |
| <b>ASP Type:</b>           | DL_DatRqFac                                                           |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | To send a FACILITY message containing ForwardChargeAdvice SSoperation |          |
| Parameter Name             | Parameter Value                                                       | Comments |
| sapi                       | C_Sap0                                                                |          |
| logic_ch                   | ch                                                                    |          |
| msg                        | FacilityPdu_34(Ti)                                                    |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| ASP Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityRq_16(ch:LOGICCH; Ti :TI)                                     |          |
| <b>ASP Type:</b>           | DL_DatRqFac                                                           |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | To send a FACILITY message containing ForwardChargeAdvice SSoperation |          |
| Parameter Name             | Parameter Value                                                       | Comments |
| sapi                       | C_Sap0                                                                |          |
| logic_ch                   | ch                                                                    |          |
| msg                        | FacilityPdu_35(Ti)                                                    |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| ASP Constraint Declaration |                                                                  |          |
|----------------------------|------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityRq_17(ch:LOGICCH; Ti :TI; Invkid:OCTETSTRING)            |          |
| <b>ASP Type:</b>           | DL_DatRqFac                                                      |          |
| <b>Derivation Path:</b>    |                                                                  |          |
| <b>Comments:</b>           | To send a FACILITY message containing ReturnResult for buildMPTY |          |
| Parameter Name             | Parameter Value                                                  | Comments |
| sapi                       | C_Sap0                                                           |          |
| logic_ch                   | ch                                                               |          |
| msg                        | FacilityPdu_36(Ti,Invkid)                                        |          |
| <b>Detailed Comments:</b>  |                                                                  |          |

| ASP Constraint Declaration |                                                           |          |
|----------------------------|-----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityRq_18(ch:LOGICCH; Ti :TI)                         |          |
| <b>ASP Type:</b>           | DL_DatRqFac                                               |          |
| <b>Derivation Path:</b>    |                                                           |          |
| <b>Comments:</b>           | To send a FACILITY message containing ForwardChargeAdvice |          |
| Parameter Name             | Parameter Value                                           | Comments |
| sapi                       | C_Sap0                                                    |          |
| logic_ch                   | ch                                                        |          |
| msg                        | FacilityPdu_37(Ti)                                        |          |
| <b>Detailed Comments:</b>  |                                                           |          |

| ASP Constraint Declaration |                                                           |          |
|----------------------------|-----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityRq_19(ch:LOGICCH; Ti :TI)                         |          |
| <b>ASP Type:</b>           | DL_DatRqFac                                               |          |
| <b>Derivation Path:</b>    |                                                           |          |
| <b>Comments:</b>           | To send a FACILITY message containing ForwardChargeAdvice |          |
| Parameter Name             | Parameter Value                                           | Comments |
| sapi                       | C_Sap0                                                    |          |
| logic_ch                   | ch                                                        |          |
| msg                        | FacilityPdu_38(Ti)                                        |          |
| <b>Detailed Comments:</b>  |                                                           |          |

| ASP Constraint Declaration |                                                                    |          |
|----------------------------|--------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityRq_20(ch:LOGICCH; Ti :TI; linkid:OCTETSTRING)              |          |
| <b>ASP Type:</b>           | DL_DatRqFac                                                        |          |
| <b>Derivation Path:</b>    |                                                                    |          |
| <b>Comments:</b>           | To send a FACILITY message containing GetPassword (enter password) |          |
| Parameter Name             | Parameter Value                                                    | Comments |
| sapi                       | C_Sap0                                                             |          |
| logic_ch                   | ch                                                                 |          |
| msg                        | FacilityPdu_40(Ti, linkid)                                         |          |
| <b>Detailed Comments:</b>  |                                                                    |          |

| ASP Constraint Declaration |                                                                        |          |
|----------------------------|------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityRq_21(ch:LOGICCH; Ti :TI; linkid:OCTETSTRING)                  |          |
| <b>ASP Type:</b>           | DL_DatRqFac                                                            |          |
| <b>Derivation Path:</b>    |                                                                        |          |
| <b>Comments:</b>           | To send a FACILITY message containing GetPassword (enter new password) |          |
| Parameter Name             | Parameter Value                                                        | Comments |
| sapi                       | C_Sap0                                                                 |          |
| logic_ch                   | ch                                                                     |          |
| msg                        | FacilityPdu_42(Ti, linkid)                                             |          |
| <b>Detailed Comments:</b>  |                                                                        |          |

| ASP Constraint Declaration |                                                                              |          |
|----------------------------|------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityRq_22(ch:LOGICCH; Ti :TI; linkid:OCTETSTRING)                        |          |
| <b>ASP Type:</b>           | DL_DatRqFac                                                                  |          |
| <b>Derivation Path:</b>    |                                                                              |          |
| <b>Comments:</b>           | To send a FACILITY message containing GetPassword (enter new password again) |          |
| Parameter Name             | Parameter Value                                                              | Comments |
| sapi                       | C_Sap0                                                                       |          |
| logic_ch                   | ch                                                                           |          |
| msg                        | FacilityPdu_43(Ti, linkid)                                                   |          |
| <b>Detailed Comments:</b>  |                                                                              |          |

| ASP Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityRq_24(ch:LOGICCH; Ti :TI; invkid:OCTETSTRING)             |          |
| <b>ASP Type:</b>           | DL_DatRqFac                                                       |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | To send a FACILITY message containing ReturnResult for Activation |          |
| Parameter Name             | Parameter Value                                                   | Comments |
| sapi                       | C_Sap0                                                            |          |
| logic_ch                   | ch                                                                |          |
| msg                        | FacilityPdu_47(Ti, invkid)                                        |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| ASP Constraint Declaration |                                                                     |          |
|----------------------------|---------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityRq_25(ch:LOGICCH; Ti :TI; invkid:OCTETSTRING)               |          |
| <b>ASP Type:</b>           | DL_DatRqFac                                                         |          |
| <b>Derivation Path:</b>    |                                                                     |          |
| <b>Comments:</b>           | To send a FACILITY message containing ReturnResult for Deactivation |          |
| Parameter Name             | Parameter Value                                                     | Comments |
| sapi                       | C_Sap0                                                              |          |
| logic_ch                   | ch                                                                  |          |
| msg                        | FacilityPdu_52(Ti, invkid)                                          |          |
| <b>Detailed Comments:</b>  |                                                                     |          |

| ASP Constraint Declaration |                                                                      |          |
|----------------------------|----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityRq_26(ch:LOGICCH; Ti :TI; invkid:OCTETSTRING)                |          |
| <b>ASP Type:</b>           | DL_DatRqFac                                                          |          |
| <b>Derivation Path:</b>    |                                                                      |          |
| <b>Comments:</b>           | To send a FACILITY message containing ReturnResult for Interrogation |          |
| Parameter Name             | Parameter Value                                                      | Comments |
| sapi                       | C_Sap0                                                               |          |
| logic_ch                   | ch                                                                   |          |
| msg                        | FacilityPdu_60(Ti, invkid)                                           |          |
| <b>Detailed Comments:</b>  |                                                                      |          |

| ASP Constraint Declaration |                                                                                                       |          |
|----------------------------|-------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityRq_28(ch:LOGICCH; Ti :TI; Invkid:OCTETSTRING; prevbits: OCTETSTRING; follbits: OCTETSTRING)   |          |
| <b>ASP Type:</b>           | DL_DatRqFac                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                       |          |
| <b>Comments:</b>           | To send a FACILITY message containing Invoke for Unstructured SS request with information to the user |          |
| Parameter Name             | Parameter Value                                                                                       | Comments |
| sapi                       | C_Sap0                                                                                                |          |
| logic_ch                   | ch                                                                                                    |          |
| msg                        | FacilityPdu_62(Ti, Invkid, prevbits, follbits)                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                       |          |

| ASP Constraint Declaration |                        |          |
|----------------------------|------------------------|----------|
| <b>Constraint Name:</b>    | FrqRedf_01(ch:LOGICCH) |          |
| <b>ASP Type:</b>           | DL_DatRqFrqre          |          |
| <b>Derivation Path:</b>    |                        |          |
| <b>Comments:</b>           |                        |          |
| Parameter Name             | Parameter Value        | Comments |
| sapi                       | C_Sap0                 |          |
| logic_ch                   | ch                     |          |
| msg                        | FrqRedef_01            |          |
| <b>Detailed Comments:</b>  |                        |          |

| ASP Constraint Declaration |                                          |          |
|----------------------------|------------------------------------------|----------|
| <b>Constraint Name:</b>    | FrqRedf_02(ch:LOGICCH; slot:SN; tsc:TSC) |          |
| <b>ASP Type:</b>           | DL_DatRqFrqre                            |          |
| <b>Derivation Path:</b>    |                                          |          |
| <b>Comments:</b>           | used in TC_26_6_13_3.                    |          |
| Parameter Name             | Parameter Value                          | Comments |
| sapi                       | C_Sap0                                   |          |
| logic_ch                   | ch                                       |          |
| msg                        | FrqRedef_02(slot, tsc)                   |          |
| <b>Detailed Comments:</b>  |                                          |          |

| ASP Constraint Declaration |                                          |          |
|----------------------------|------------------------------------------|----------|
| <b>Constraint Name:</b>    | FrqRedf_03(ch:LOGICCH; slot:SN; tsc:TSC) |          |
| <b>ASP Type:</b>           | DL_DatRqFrqre                            |          |
| <b>Derivation Path:</b>    | FrqRedf_02.                              |          |
| <b>Comments:</b>           | used in TC_26_6_13_4.                    |          |
| Parameter Name             | Parameter Value                          | Comments |
| logic_ch                   | ch                                       |          |
| msg                        | FrqRedef_03(slot, tsc)                   |          |
| <b>Detailed Comments:</b>  |                                          |          |

| ASP Constraint Declaration |                                          |          |
|----------------------------|------------------------------------------|----------|
| <b>Constraint Name:</b>    | FrqRedf_04(ch:LOGICCH; slot:SN; tsc:TSC) |          |
| <b>ASP Type:</b>           | DL_DatRqFrqre                            |          |
| <b>Derivation Path:</b>    | FrqRedf_02.                              |          |
| <b>Comments:</b>           | used in TC_26_6_13_7.                    |          |
| Parameter Name             | Parameter Value                          | Comments |
| logic_ch                   | ch                                       |          |
| msg                        | FrqRedef_04(slot, tsc)                   |          |
| <b>Detailed Comments:</b>  |                                          |          |

| ASP Constraint Declaration |                                          |          |
|----------------------------|------------------------------------------|----------|
| <b>Constraint Name:</b>    | FrqRedf_05(ch:LOGICCH; slot:SN; tsc:TSC) |          |
| <b>ASP Type:</b>           | DL_DatRqFrqre                            |          |
| <b>Derivation Path:</b>    | FrqRedf_02.                              |          |
| <b>Comments:</b>           | used in TC_26_6_13_8.                    |          |
| Parameter Name             | Parameter Value                          | Comments |
| logic_ch                   | ch                                       |          |
| msg                        | FrqRedef_05(slot, tsc)                   |          |
| <b>Detailed Comments:</b>  |                                          |          |

| ASP Constraint Declaration |                                                                                                                           |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FrqRedf_20(ch:LOGICCH; ts_ccch: BITSTRING; par_chtype:BITSTRING; par_cchd: OCTETSTRING; par_ma:BITSTRING; par_stime:STRT) |          |
| <b>ASP Type:</b>           | DL_DatRqFrqre                                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                                           |          |
| <b>Comments:</b>           |                                                                                                                           |          |
| Parameter Name             | Parameter Value                                                                                                           | Comments |
| sapi                       | C_Sap0                                                                                                                    |          |
| logic_ch                   | ch                                                                                                                        |          |
| msg                        | FreqRedef_20(ts_ccch, par_chtype, par_cchd, par_ma, par_stime)                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                           |          |

| ASP Constraint Declaration |                                                                                                    |          |
|----------------------------|----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FrqRedf_21(ch:LOGICCH; ts_ccch: BITSTRING; par_chtype:BITSTRING; par_ma:BITSTRING; par_stime:STRT) |          |
| <b>ASP Type:</b>           | DL_DatRqFrqre                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                                    |          |
| <b>Comments:</b>           |                                                                                                    |          |
| Parameter Name             | Parameter Value                                                                                    | Comments |
| sapi                       | C_Sap0                                                                                             |          |
| logic_ch                   | ch                                                                                                 |          |
| msg                        | FreqRedef_21(ts_ccch, par_chtype, par_ma, par_stime)                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                    |          |

| ASP Constraint Declaration |                                                                                                                                               |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FrqRedf_22(ch:LOGICCH; ts_ccch: BITSTRING; par_chtype:BITSTRING; par_cchd: OCTETSTRING; par_ma1:BITSTRING; par_ma2:BITSTRING; par_stime:STRT) |          |
| <b>ASP Type:</b>           | DL_DatRqFrqre                                                                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                                                                               |          |
| <b>Comments:</b>           |                                                                                                                                               |          |
| Parameter Name             | Parameter Value                                                                                                                               | Comments |
| sapi                       | C_Sap0                                                                                                                                        |          |
| logic_ch                   | ch                                                                                                                                            |          |
| msg                        | FreqRedef_22(ts_ccch, par_chtype, par_cchd, par_ma1, par_ma2, par_stime)                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                                                               |          |

| ASP Constraint Declaration |                                                                            |          |
|----------------------------|----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_sdcch4(ch:LOGICCH; subch:BITSTRING; slot:SN; tsc:TSC; cphms:CPHMS)   |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                              |          |
| <b>Derivation Path:</b>    |                                                                            |          |
| <b>Comments:</b>           | To send a HANDOVER COMMAND indicating a SDCCH4 subchannel TSPX_SDCCH4SubB. |          |
| Parameter Name             | Parameter Value                                                            | Comments |
| sapi                       | C_Sap0                                                                     |          |
| logic_ch                   | ch                                                                         |          |
| msg                        | HandOverCmd_sdcch4(subch, slot, tsc, cphms)                                |          |
| <b>Detailed Comments:</b>  |                                                                            |          |

| ASP Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_dsdcc4(ch:LOGICCH; subch:BITSTRING; slot:SN; tsc:TSC; cphms:CPHMS)  |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                             |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND indicating a SDCCH4 subchannel TSPX_SDCCH4SubB. |          |
| Parameter Name             | Parameter Value                                                           | Comments |
| sapi                       | C_Sap0                                                                    |          |
| logic_ch                   | ch                                                                        |          |
| msg                        | HandOverCmd_dsdcc4(subch, slot, tsc, cphms)                               |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| ASP Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_01(ch:LOGICCH; slot:SN; tsc:TSC)                                    |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                             |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND indicating a SDCCH4 subchannel TSPX_SDCCH4SubB. |          |
| Parameter Name             | Parameter Value                                                           | Comments |
| sapi                       | C_Sap0                                                                    |          |
| logic_ch                   | ch                                                                        |          |
| msg                        | HandOverCmd_01(slot, tsc)                                                 |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| ASP Constraint Declaration |                                                                              |          |
|----------------------------|------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_05(ch:LOGICCH; slot:SN; tsc:TSC)                                       |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                |          |
| <b>Derivation Path:</b>    |                                                                              |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND assigning the TCH/F channel of cell B in GSM test. |          |
| Parameter Name             | Parameter Value                                                              | Comments |
| sapi                       | C_Sap0                                                                       |          |
| logic_ch                   | ch                                                                           |          |
| msg                        | HandOverCmd_05(slot, tsc)                                                    |          |
| <b>Detailed Comments:</b>  |                                                                              |          |

| ASP Constraint Declaration |                                                                              |          |
|----------------------------|------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_06(ch:LOGICCH; slot:SN; tsc:TSC; ta:TA)                                |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                |          |
| <b>Derivation Path:</b>    |                                                                              |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND assigning the TCH/F channel of cell B in DCS test. |          |
| Parameter Name             | Parameter Value                                                              | Comments |
| sapi                       | C_Sap0                                                                       |          |
| logic_ch                   | ch                                                                           |          |
| msg                        | HandOverCmd_06(slot, tsc, ta)                                                |          |
| <b>Detailed Comments:</b>  |                                                                              |          |

| ASP Constraint Declaration |                                                                  |          |
|----------------------------|------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_07(ch:LOGICCH; slot:SN; tsc:TSC)                           |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                    |          |
| <b>Derivation Path:</b>    | HndOv_05.                                                        |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND assigning the TCH/F channel of cell B. |          |
| Parameter Name             | Parameter Value                                                  | Comments |
| logic_ch                   | ch                                                               |          |
| msg                        | HandOverCmd_07(slot, tsc)                                        |          |
| <b>Detailed Comments:</b>  |                                                                  |          |

| ASP Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_08(ch: LOGICCH; slot:SN; tsc:TSC)                           |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                     |          |
| <b>Derivation Path:</b>    | HndOv_05.                                                         |          |
| <b>Comments:</b>           | To send a HANDOVER COMMAND assigning the TCH/F channel of cell B. |          |
| Parameter Name             | Parameter Value                                                   | Comments |
| logic_ch                   | ch                                                                |          |
| msg                        | HandOverCmd_08(slot, tsc)                                         |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| ASP Constraint Declaration |                                                                                                 |          |
|----------------------------|-------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_09(ch: LOGICCH; slot:SN; tsc:TSC)                                                         |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                                   |          |
| <b>Derivation Path:</b>    | HndOv_05.                                                                                       |          |
| <b>Comments:</b>           | To send a HANDOVER COMMAND assigning the TCH/F channel of cell B, non-synchronised, pwrlvl = 8. |          |
| Parameter Name             | Parameter Value                                                                                 | Comments |
| logic_ch                   | ch                                                                                              |          |
| msg                        | HandOverCmd_09(slot, tsc)                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                 |          |

| ASP Constraint Declaration |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_12(ch:LOGICCH; slot:SN; tsc:TSC)                                        |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                 |          |
| <b>Derivation Path:</b>    |                                                                               |          |
| <b>Comments:</b>           | To send a HANDOVER COMMAND assigning the TCH/F channel of cell B in DCS test. |          |
| Parameter Name             | Parameter Value                                                               | Comments |
| sapi                       | C_Sap0                                                                        |          |
| logic_ch                   | ch                                                                            |          |
| msg                        | HandOverCmd_12(slot, tsc)                                                     |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| ASP Constraint Declaration |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_13(ch:LOGICCH; slot:SN; tsc:TSC; ta:TA)                                 |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                 |          |
| <b>Derivation Path:</b>    |                                                                               |          |
| <b>Comments:</b>           | To send a HANDOVER COMMAND assigning the TCH/F channel of cell B in DCS test. |          |
| Parameter Name             | Parameter Value                                                               | Comments |
| sapi                       | C_Sap0                                                                        |          |
| logic_ch                   | ch                                                                            |          |
| msg                        | HandOverCmd_13(slot, tsc, ta)                                                 |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| ASP Constraint Declaration |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_14(ch:LOGICCH; slot:SN; tsc:TSC)                                        |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                 |          |
| <b>Derivation Path:</b>    |                                                                               |          |
| <b>Comments:</b>           | To send a HANDOVER COMMAND assigning the TCH/F channel of cell B in DCS test. |          |
| Parameter Name             | Parameter Value                                                               | Comments |
| sapi                       | C_Sap0                                                                        |          |
| logic_ch                   | ch                                                                            |          |
| msg                        | HandOverCmd_14(slot, tsc)                                                     |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| ASP Constraint Declaration |                                                                              |          |
|----------------------------|------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_15(ch:LOGICCH; slot:SN; tsc:TSC)                                       |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                |          |
| <b>Derivation Path:</b>    |                                                                              |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND assigning the TCH/F channel of cell B in DCS test. |          |
| Parameter Name             | Parameter Value                                                              | Comments |
| sapi                       | C_Sap0                                                                       |          |
| logic_ch                   | ch                                                                           |          |
| msg                        | HandOverCmd_15(slot, tsc)                                                    |          |
| <b>Detailed Comments:</b>  |                                                                              |          |

| ASP Constraint Declaration |                                                                              |          |
|----------------------------|------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_16(ch:LOGICCH; slot:SN; tsc:TSC)                                       |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                |          |
| <b>Derivation Path:</b>    |                                                                              |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND assigning the TCH/F channel of cell B in DCS test. |          |
| Parameter Name             | Parameter Value                                                              | Comments |
| sapi                       | C_Sap0                                                                       |          |
| logic_ch                   | ch                                                                           |          |
| msg                        | HandOverCmd_16(slot, tsc)                                                    |          |
| <b>Detailed Comments:</b>  |                                                                              |          |

| ASP Constraint Declaration |                                                                                                                             |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_20(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; arfcn: INTEGER; pow:BITSTRING; ta:TA)                                |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                             |          |
| <b>Comments:</b>           | Basic constraint to send HANOVER COMMAND indicating a SDCCH4 subchannel which TDMA offset is one high than the TSPX_SDCCH4. |          |
| Parameter Name             | Parameter Value                                                                                                             | Comments |
| sapi                       | C_Sap0                                                                                                                      |          |
| logic_ch                   | ch                                                                                                                          |          |
| msg                        | HandOverCmd_20(ho_ref, ts_ccch, arfcn, pow, ta)                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                                                             |          |

| ASP Constraint Declaration |                                                                                                |          |
|----------------------------|------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_21_A(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; arfcn: INTEGER; pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                                  |          |
| <b>Derivation Path:</b>    | HndOv_20.                                                                                      |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND indicating a TCH/F_NonFH in cell A.                                  |          |
| Parameter Name             | Parameter Value                                                                                | Comments |
| logic_ch                   | ch                                                                                             |          |
| msg                        | HandOverCmd_21_A(ho_ref, ts_ccch, arfcn, pow, ta)                                              |          |
| <b>Detailed Comments:</b>  |                                                                                                |          |



| ASP Constraint Declaration |                                                                                                |          |
|----------------------------|------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_21_B(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; arfcn: INTEGER; pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                                  |          |
| <b>Derivation Path:</b>    | HndOv_20.                                                                                      |          |
| <b>Comments:</b>           | To send a HANDOVER COMMAND indicating a TCH/F non FH in CELL B.<br>For GSM900 and CS1800.      |          |
| Parameter Name             | Parameter Value                                                                                | Comments |
| logic_ch                   | ch                                                                                             |          |
| msg                        | HandOverCmd_21_B(ho_ref, ts_ccch, arfcn, pow, ta)                                              |          |
| <b>Detailed Comments:</b>  |                                                                                                |          |

| ASP Constraint Declaration |                                                                                                            |          |
|----------------------------|------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_21_B2(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; arfcn: INTEGER; pow:BITSTRING; ta:TA; strt:STRT) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                            |          |
| <b>Comments:</b>           | To send a HANDOVER COMMAND indicating a TCH/F_NonFH in cell B.                                             |          |
| Parameter Name             | Parameter Value                                                                                            | Comments |
| sapi                       | C_Sap0                                                                                                     |          |
| logic_ch                   | ch                                                                                                         |          |
| msg                        | HandOverCmd_21_B2(ho_ref, ts_ccch, arfcn, pow, ta, strt)                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                                            |          |

| ASP Constraint Declaration |                                                                              |          |
|----------------------------|------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_22(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                |          |
| <b>Derivation Path:</b>    |                                                                              |          |
| <b>Comments:</b>           | To send a HANDOVER COMMAND indicating a TCH/F FH in cell A.                  |          |
| Parameter Name             | Parameter Value                                                              | Comments |
| sapi                       | C_Sap0                                                                       |          |
| logic_ch                   | ch                                                                           |          |
| msg                        | HandOverCmd_22(ho_ref, ts_ccch, pow, ta)                                     |          |
| <b>Detailed Comments:</b>  |                                                                              |          |

| ASP Constraint Declaration |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_22d(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                 |          |
| <b>Derivation Path:</b>    |                                                                               |          |
| <b>Comments:</b>           | To send a HANDOVER COMMAND indicating a TCH/F FH in cell A.                   |          |
| Parameter Name             | Parameter Value                                                               | Comments |
| sapi                       | C_Sap0                                                                        |          |
| logic_ch                   | ch                                                                            |          |
| msg                        | HandOverCmd_22d(ho_ref, ts_ccch, pow, ta)                                     |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| ASP Constraint Declaration |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_22_B1(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING;pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND indicating a TCH/F FH in cell B.                     |          |
| Parameter Name             | Parameter Value                                                                | Comments |
| sapi                       | C_Sap0                                                                         |          |
| logic_ch                   | ch                                                                             |          |
| msg                        | HandOverCmd_22_B1(ho_ref, ts_ccch, pow, ta)                                    |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| ASP Constraint Declaration |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_22_B1d(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING;pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                 |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND indicating a TCH/F FH in cell B.                      |          |
| Parameter Name             | Parameter Value                                                                 | Comments |
| sapi                       | C_Sap0                                                                          |          |
| logic_ch                   | ch                                                                              |          |
| msg                        | HandOverCmd_22_B1d(ho_ref, ts_ccch, pow, ta)                                    |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| ASP Constraint Declaration |                                                                                                                                                       |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_22_B1e(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING;pow:BITSTRING; par_chtype:BITSTRING; par_flist:OCTETSTRING; par_flistl: OCTETSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                                                                       |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND indicating a TCH/F FH in cell B, specified for EGSM.                                                                        |          |
| Parameter Name             | Parameter Value                                                                                                                                       | Comments |
| sapi                       | C_Sap0                                                                                                                                                |          |
| logic_ch                   | ch                                                                                                                                                    |          |
| msg                        | HandOverCmd_22_B1e(ho_ref, ts_ccch, pow, par_chtype, par_flist, par_flistl, ta)                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                       |          |

| ASP Constraint Declaration |                                                                                                                                                       |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_22_B2e(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING;pow:BITSTRING; par_chtype:BITSTRING; par_flist:OCTETSTRING; par_flistl: OCTETSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                                                                       |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND indicating a TCH/F FH in cell B, specified for EGSM.                                                                        |          |
| Parameter Name             | Parameter Value                                                                                                                                       | Comments |
| sapi                       | C_Sap0                                                                                                                                                |          |
| logic_ch                   | ch                                                                                                                                                    |          |
| msg                        | HandOverCmd_22_B2e(ho_ref, ts_ccch, pow, par_chtype, par_flist, par_flistl, ta)                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                       |          |

| ASP Constraint Declaration |                                                                                                                                                                    |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_22_B3e(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING;pow:BITSTRING; par_chtype:BITSTRING; par_cchd: OCTETSTRING; par_ma1:BITSTRING; par_ma2:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                    |          |
| <b>Comments:</b>           | To send a HANDOVER COMMAND indicating a TCH/F FH in cell B, specified for EGSM.                                                                                    |          |
| Parameter Name             | Parameter Value                                                                                                                                                    | Comments |
| sapi                       | C_Sap0                                                                                                                                                             |          |
| logic_ch                   | ch                                                                                                                                                                 |          |
| msg                        | HandOverCmd_22_B3e(ho_ref, ts_ccch, pow, par_chtype, par_cchd, par_ma1, par_ma2, ta)                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                    |          |

| ASP Constraint Declaration |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_22_B2(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                 |          |
| <b>Comments:</b>           | To send a HANDOVER COMMAND indicating a TCH/F FH in cell B.                     |          |
| Parameter Name             | Parameter Value                                                                 | Comments |
| sapi                       | C_Sap0                                                                          |          |
| logic_ch                   | ch                                                                              |          |
| msg                        | HandOverCmd_22_B2(ho_ref, ts_ccch, pow, ta)                                     |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| ASP Constraint Declaration |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_22_B2d(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                  |          |
| <b>Comments:</b>           | To send a HANDOVER COMMAND indicating a TCH/F FH in cell B.                      |          |
| Parameter Name             | Parameter Value                                                                  | Comments |
| sapi                       | C_Sap0                                                                           |          |
| logic_ch                   | ch                                                                               |          |
| msg                        | HandOverCmd_22_B2d(ho_ref, ts_ccch, pow, ta)                                     |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |

| ASP Constraint Declaration |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_22_B3(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                 |          |
| <b>Comments:</b>           | To send a HANDOVER COMMAND indicating a TCH/F FH in cell B.                     |          |
| Parameter Name             | Parameter Value                                                                 | Comments |
| sapi                       | C_Sap0                                                                          |          |
| logic_ch                   | ch                                                                              |          |
| msg                        | HandOverCmd_22_B3(ho_ref, ts_ccch, pow, ta)                                     |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| ASP Constraint Declaration |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_22_B3d(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                  |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND indicating a TCH/F FH in cell B.                       |          |
| Parameter Name             | Parameter Value                                                                  | Comments |
| sapi                       | C_Sap0                                                                           |          |
| logic_ch                   | ch                                                                               |          |
| msg                        | HandOverCmd_22_B3d(ho_ref, ts_ccch, pow, ta)                                     |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |

| ASP Constraint Declaration |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_22_B4(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                 |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND indicating a TCH/F FH in cell B.                      |          |
| Parameter Name             | Parameter Value                                                                 | Comments |
| sapi                       | C_Sap0                                                                          |          |
| logic_ch                   | ch                                                                              |          |
| msg                        | HandOverCmd_22_B4(ho_ref, ts_ccch, pow, ta)                                     |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| ASP Constraint Declaration |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_22_B4d(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                  |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND indicating a TCH/F FH in cell B.                       |          |
| Parameter Name             | Parameter Value                                                                  | Comments |
| sapi                       | C_Sap0                                                                           |          |
| logic_ch                   | ch                                                                               |          |
| msg                        | HandOverCmd_22_B4d(ho_ref, ts_ccch, pow, ta)                                     |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |

| ASP Constraint Declaration |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_22_B5(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                 |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND indicating a TCH/F FH in cell B in synchronized case. |          |
| Parameter Name             | Parameter Value                                                                 | Comments |
| sapi                       | C_Sap0                                                                          |          |
| logic_ch                   | ch                                                                              |          |
| msg                        | HandOverCmd_22_B5(ho_ref, ts_ccch, pow, ta)                                     |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| ASP Constraint Declaration |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_22_B5d(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                  |          |
| <b>Comments:</b>           | To send a HANDOVER COMMAND indicating a TCH/F FH in cell B in synchronized case. |          |
| Parameter Name             | Parameter Value                                                                  | Comments |
| sapi                       | C_Sap0                                                                           |          |
| logic_ch                   | ch                                                                               |          |
| msg                        | HandOverCmd_22_B5d(ho_ref, ts_ccch, pow, ta)                                     |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |

| ASP Constraint Declaration |                                                                                                 |          |
|----------------------------|-------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_23_A1(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; arfcn: INTEGER; pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                                 |          |
| <b>Comments:</b>           | To send a HANDOVER COMMAND indicating a TCH/H_NonFH of cellA.                                   |          |
| Parameter Name             | Parameter Value                                                                                 | Comments |
| sapi                       | C_Sap0                                                                                          |          |
| logic_ch                   | ch                                                                                              |          |
| msg                        | HandOverCmd_23_A1(ho_ref, ts_ccch, arfcn, pow, ta)                                              |          |
| <b>Detailed Comments:</b>  |                                                                                                 |          |

| ASP Constraint Declaration |                                                                                                |          |
|----------------------------|------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_23_B1(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; arfcn: INTEGER;pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                                |          |
| <b>Comments:</b>           | To send a HANDOVER COMMAND indicating a TCH/H_NonFH of cellB.                                  |          |
| Parameter Name             | Parameter Value                                                                                | Comments |
| sapi                       | C_Sap0                                                                                         |          |
| logic_ch                   | ch                                                                                             |          |
| msg                        | HandOverCmd_23_B1(ho_ref, ts_ccch, arfcn, pow, ta)                                             |          |
| <b>Detailed Comments:</b>  |                                                                                                |          |

| ASP Constraint Declaration |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_24_A1(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                 |          |
| <b>Comments:</b>           | To send a HANDOVER COMMAND indicating a TCH/H_FH of cellA.                      |          |
| Parameter Name             | Parameter Value                                                                 | Comments |
| sapi                       | C_Sap0                                                                          |          |
| logic_ch                   | ch                                                                              |          |
| msg                        | HandOverCmd_24_A1(ho_ref, ts_ccch, pow, ta)                                     |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| ASP Constraint Declaration |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_24_A1d(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                  |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND indicating a TCH/H_FH of cellA for DCS1800.            |          |
| Parameter Name             | Parameter Value                                                                  | Comments |
| sapi                       | C_Sap0                                                                           |          |
| logic_ch                   | ch                                                                               |          |
| msg                        | HandOverCmd_24_A1d(ho_ref, ts_ccch, pow, ta)                                     |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |

| ASP Constraint Declaration |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_24_B1(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                 |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND indicating a TCH/H_FH of cellB.                       |          |
| Parameter Name             | Parameter Value                                                                 | Comments |
| sapi                       | C_Sap0                                                                          |          |
| logic_ch                   | ch                                                                              |          |
| msg                        | HandOverCmd_24_B1(ho_ref, ts_ccch, pow, ta)                                     |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| ASP Constraint Declaration |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_24_B1d(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                  |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND indicating a TCH/H_FH of cellB for DCS1800.            |          |
| Parameter Name             | Parameter Value                                                                  | Comments |
| sapi                       | C_Sap0                                                                           |          |
| logic_ch                   | ch                                                                               |          |
| msg                        | HandOverCmd_24_B1d(ho_ref, ts_ccch, pow, ta)                                     |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |

| ASP Constraint Declaration |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_24_B2(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                 |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND indicating a TCH/H_FH of cellB.                       |          |
| Parameter Name             | Parameter Value                                                                 | Comments |
| sapi                       | C_Sap0                                                                          |          |
| logic_ch                   | ch                                                                              |          |
| msg                        | HandOverCmd_24_B2(ho_ref, ts_ccch, pow, ta)                                     |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| ASP Constraint Declaration |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_24_B2d(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                  |          |
| <b>Comments:</b>           | To send a HANDOVER COMMAND indicating a TCH/H_FH of cellB.                       |          |
| Parameter Name             | Parameter Value                                                                  | Comments |
| sapi                       | C_Sap0                                                                           |          |
| logic_ch                   | ch                                                                               |          |
| msg                        | HandOverCmd_24_B2d(ho_ref, ts_ccch, pow, ta)                                     |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |

| ASP Constraint Declaration |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_24_B3(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                 |          |
| <b>Comments:</b>           | To send a HANDOVER COMMAND indicating a TCH/H_FH in cellB.                      |          |
| Parameter Name             | Parameter Value                                                                 | Comments |
| sapi                       | C_Sap0                                                                          |          |
| logic_ch                   | ch                                                                              |          |
| msg                        | HandOverCmd_24_B3(ho_ref, ts_ccch, pow, ta)                                     |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| ASP Constraint Declaration |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_24_B3d(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                  |          |
| <b>Comments:</b>           | To send a HANDOVER COMMAND indicating a TCH/H_FH in cellB.                       |          |
| Parameter Name             | Parameter Value                                                                  | Comments |
| sapi                       | C_Sap0                                                                           |          |
| logic_ch                   | ch                                                                               |          |
| msg                        | HandOverCmd_24_B3d(ho_ref, ts_ccch, pow, ta)                                     |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |

| ASP Constraint Declaration |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_24_B4(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                 |          |
| <b>Comments:</b>           | To send a HANDOVER COMMAND indicating a TCH/H_FH in cellB.                      |          |
| Parameter Name             | Parameter Value                                                                 | Comments |
| sapi                       | C_Sap0                                                                          |          |
| logic_ch                   | ch                                                                              |          |
| msg                        | HandOverCmd_24_B4(ho_ref, ts_ccch, pow, ta)                                     |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| ASP Constraint Declaration |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_24_B4d(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                  |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND indicating a TCH/H_FH in cellB.                        |          |
| Parameter Name             | Parameter Value                                                                  | Comments |
| sapi                       | C_Sap0                                                                           |          |
| logic_ch                   | ch                                                                               |          |
| msg                        | HandOverCmd_24_B4d(ho_ref, ts_ccch, pow, ta)                                     |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |

| ASP Constraint Declaration |                                                                                                |          |
|----------------------------|------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_25_B1(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; arfcn: INTEGER;pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                                |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND indicating a SDCCH4_NoFH in cellB.                                   |          |
| Parameter Name             | Parameter Value                                                                                | Comments |
| sapi                       | C_Sap0                                                                                         |          |
| logic_ch                   | ch                                                                                             |          |
| msg                        | HandOverCmd_25_B1(ho_ref, ts_ccch, arfcn, pow, ta)                                             |          |
| <b>Detailed Comments:</b>  |                                                                                                |          |

| ASP Constraint Declaration |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_28_B1(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                 |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND indicating a SDCCH8_FH in cellB.                      |          |
| Parameter Name             | Parameter Value                                                                 | Comments |
| sapi                       | C_Sap0                                                                          |          |
| logic_ch                   | ch                                                                              |          |
| msg                        | HandOverCmd_28_B1(ho_ref, ts_ccch, pow, ta)                                     |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| ASP Constraint Declaration |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_28_B1d(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                  |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND indicating a SDCCH8_FH in cellB.                       |          |
| Parameter Name             | Parameter Value                                                                  | Comments |
| sapi                       | C_Sap0                                                                           |          |
| logic_ch                   | ch                                                                               |          |
| msg                        | HandOverCmd_28_B1d(ho_ref, ts_ccch, pow, ta)                                     |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |



| ASP Constraint Declaration |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_28_B2(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                 |          |
| <b>Comments:</b>           | To send a HANDOVER COMMAND indicating a SDCCH8_FH in cellB.                     |          |
| Parameter Name             | Parameter Value                                                                 | Comments |
| sapi                       | C_Sap0                                                                          |          |
| logic_ch                   | ch                                                                              |          |
| msg                        | HandOverCmd_28_B2(ho_ref, ts_ccch, pow, ta)                                     |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| ASP Constraint Declaration |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_28_B2d(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                  |          |
| <b>Comments:</b>           | To send a HANDOVER COMMAND indicating a SDCCH8_FH in cellB.                      |          |
| Parameter Name             | Parameter Value                                                                  | Comments |
| sapi                       | C_Sap0                                                                           |          |
| logic_ch                   | ch                                                                               |          |
| msg                        | HandOverCmd_28_B2d(ho_ref, ts_ccch, pow, ta)                                     |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |

| ASP Constraint Declaration |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_28_B3(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)  |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                  |          |
| <b>Comments:</b>           | To send a HANDOVER COMMAND indicating a SDCCH8_FH in cellB in synchronized case. |          |
| Parameter Name             | Parameter Value                                                                  | Comments |
| sapi                       | C_Sap0                                                                           |          |
| logic_ch                   | ch                                                                               |          |
| msg                        | HandOverCmd_28_B3(ho_ref, ts_ccch, pow, ta)                                      |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |

| ASP Constraint Declaration |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_28_B3d(ho_ref: HORF; ch: LOGICCH;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                  |          |
| <b>Comments:</b>           | To send a HANDOVER COMMAND indicating a SDCCH8_FH in cellB in synchronized case. |          |
| Parameter Name             | Parameter Value                                                                  | Comments |
| sapi                       | C_Sap0                                                                           |          |
| logic_ch                   | ch                                                                               |          |
| msg                        | HandOverCmd_28_B3d(ho_ref, ts_ccch, pow, ta)                                     |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |

| ASP Constraint Declaration |                                                                                               |          |
|----------------------------|-----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_30(ch:LOGICCH; slot:SN; tsc:TSC)                                                        |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                                 |          |
| <b>Derivation Path:</b>    | HndOv_01.                                                                                     |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND indicating a SDCCH4 subchannel TSPX_SDCCH4SubC. For DCS RR testing. |          |
| Parameter Name             | Parameter Value                                                                               | Comments |
| logic_ch                   | ch                                                                                            |          |
| msg                        | HandOverCmd_30(slot, tsc)                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                               |          |

| ASP Constraint Declaration                           |                                                                           |          |
|------------------------------------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>                              | HndOv_32(ch:LOGICCH; slot:SN; tsc:TSC)                                    |          |
| <b>ASP Type:</b>                                     | DL_DatRqHoCmd                                                             |          |
| <b>Derivation Path:</b>                              |                                                                           |          |
| <b>Comments:</b>                                     | To send a HANOVER COMMAND indicating a hopping channel in cell B, for GSM |          |
| Parameter Name                                       | Parameter Value                                                           | Comments |
| sapi                                                 | C_Sap0                                                                    |          |
| logic_ch                                             | ch                                                                        |          |
| msg                                                  | HandOverCmd_32(slot, tsc)                                                 |          |
| <b>Detailed Comments:</b> used in TC_26_6_13_5 only. |                                                                           |          |

| ASP Constraint Declaration                           |                                                                           |          |
|------------------------------------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>                              | HndOv_33(ch:LOGICCH; slot:SN; tsc:TSC)                                    |          |
| <b>ASP Type:</b>                                     | DL_DatRqHoCmd                                                             |          |
| <b>Derivation Path:</b>                              |                                                                           |          |
| <b>Comments:</b>                                     | To send a HANOVER COMMAND indicating a hopping channel in cell B, for DCS |          |
| Parameter Name                                       | Parameter Value                                                           | Comments |
| sapi                                                 | C_Sap0                                                                    |          |
| logic_ch                                             | ch                                                                        |          |
| msg                                                  | HandOverCmd_33(slot, tsc)                                                 |          |
| <b>Detailed Comments:</b> used in TC_26_6_13_5 only. |                                                                           |          |

| ASP Constraint Declaration                           |                                                                           |          |
|------------------------------------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>                              | HndOv_34(ch:LOGICCH; slot:SN; tsc:TSC)                                    |          |
| <b>ASP Type:</b>                                     | DL_DatRqHoCmd                                                             |          |
| <b>Derivation Path:</b>                              |                                                                           |          |
| <b>Comments:</b>                                     | To send a HANOVER COMMAND indicating a hopping channel in cell B, for GSM |          |
| Parameter Name                                       | Parameter Value                                                           | Comments |
| sapi                                                 | C_Sap0                                                                    |          |
| logic_ch                                             | ch                                                                        |          |
| msg                                                  | HandOverCmd_34(slot, tsc)                                                 |          |
| <b>Detailed Comments:</b> used in TC_26_6_13_6 only. |                                                                           |          |

| ASP Constraint Declaration                           |                                                                           |          |
|------------------------------------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>                              | HndOv_35(ch:LOGICCH; slot:SN; tsc:TSC)                                    |          |
| <b>ASP Type:</b>                                     | DL_DatRqHoCmd                                                             |          |
| <b>Derivation Path:</b>                              |                                                                           |          |
| <b>Comments:</b>                                     | To send a HANOVER COMMAND indicating a hopping channel in cell B, for DCS |          |
| Parameter Name                                       | Parameter Value                                                           | Comments |
| sapi                                                 | C_Sap0                                                                    |          |
| logic_ch                                             | ch                                                                        |          |
| msg                                                  | HandOverCmd_35(slot, tsc)                                                 |          |
| <b>Detailed Comments:</b> used in TC_26_6_13_6 only. |                                                                           |          |

| ASP Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_36(ch:LOGICCH; slot:SN; tsc:TSC)                                    |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                             |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND indicating a hopping channel in cell B, for GSM |          |
| Parameter Name             | Parameter Value                                                           | Comments |
| sapi                       | C_Sap0                                                                    |          |
| logic_ch                   | ch                                                                        |          |
| msg                        | HandOverCmd_36(slot, tsc)                                                 |          |
| <b>Detailed Comments:</b>  | used in TC_26_6_13_7 only.                                                |          |

| ASP Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_37(ch:LOGICCH; slot:SN; tsc:TSC)                                    |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                             |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND indicating a hopping channel in cell B, for DCS |          |
| Parameter Name             | Parameter Value                                                           | Comments |
| sapi                       | C_Sap0                                                                    |          |
| logic_ch                   | ch                                                                        |          |
| msg                        | HandOverCmd_37(slot, tsc)                                                 |          |
| <b>Detailed Comments:</b>  | used in TC_26_6_13_7 only.                                                |          |

| ASP Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_38(ch:LOGICCH; slot:SN; tsc:TSC)                                    |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                             |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND indicating a hopping channel in cell B, for GSM |          |
| Parameter Name             | Parameter Value                                                           | Comments |
| sapi                       | C_Sap0                                                                    |          |
| logic_ch                   | ch                                                                        |          |
| msg                        | HandOverCmd_38(slot, tsc)                                                 |          |
| <b>Detailed Comments:</b>  | used in TC_26_6_13_8 only.                                                |          |

| ASP Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_39(ch:LOGICCH; slot:SN; tsc:TSC)                                    |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                             |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND indicating a hopping channel in cell B, for DCS |          |
| Parameter Name             | Parameter Value                                                           | Comments |
| sapi                       | C_Sap0                                                                    |          |
| logic_ch                   | ch                                                                        |          |
| msg                        | HandOverCmd_39(slot, tsc)                                                 |          |
| <b>Detailed Comments:</b>  | used in TC_26_6_13_8 only.                                                |          |

| ASP Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_40(ch:LOGICCH; slot:SN; tsc:TSC)                            |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                     |          |
| <b>Derivation Path:</b>    | HndOv_01.                                                         |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND indicating a channel in cell A, for GSM |          |
| Parameter Name             | Parameter Value                                                   | Comments |
| logic_ch                   | ch                                                                |          |
| msg                        | HandOverCmd_40(slot, tsc)                                         |          |
| <b>Detailed Comments:</b>  | used in TC_26_6_3_4 only.                                         |          |

| ASP Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_41(ch:LOGICCH; slot:SN; tsc:TSC)                            |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                     |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND indicating a channel in cell A, for DCS |          |
| Parameter Name             | Parameter Value                                                   | Comments |
| sapi                       | C_Sap0                                                            |          |
| logic_ch                   | ch                                                                |          |
| msg                        | HandOverCmd_41(slot, tsc)                                         |          |
| <b>Detailed Comments:</b>  | used in TC_26_6_3_4 only.                                         |          |

| ASP Constraint Declaration |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOvSnd(ch:LOGICCH; msg:HO_CMD_PDU)                                            |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                 |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND indicating a finely synchronised intra cell handover. |          |
| Parameter Name             | Parameter Value                                                                 | Comments |
| sapi                       | C_Sap0                                                                          |          |
| logic_ch                   | ch                                                                              |          |
| msg                        | msg                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| ASP Constraint Declaration |                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_inv_01(ch:LOGICCH; slot:SN; tsc:TSC)                                                                   |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                              |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND which contains in the non-imperative part an IE encoded as comprehension required. |          |
| Parameter Name             | Parameter Value                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                       |          |
| logic_ch                   | ch                                                                                                           |          |
| msg                        | HandOverCmd_inv_02(slot, tsc)                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                              |          |

| ASP Constraint Declaration |                                                                      |          |
|----------------------------|----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOv_inv_02(ch:LOGICCH; slot:SN; tsc:TSC)                           |          |
| <b>ASP Type:</b>           | DL_DatRqHoCmd                                                        |          |
| <b>Derivation Path:</b>    |                                                                      |          |
| <b>Comments:</b>           | To send a HANOVER COMMAND message containing invalid skip indicator. |          |
| Parameter Name             | Parameter Value                                                      | Comments |
| sapi                       | C_Sap0                                                               |          |
| logic_ch                   | ch                                                                   |          |
| msg                        | HandOverCmd_inv_01(slot, tsc)                                        |          |
| <b>Detailed Comments:</b>  |                                                                      |          |

| ASP Constraint Declaration |                                          |          |
|----------------------------|------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOvAcc_01                              |          |
| <b>ASP Type:</b>           | DL_RaInHoacc                             |          |
| <b>Derivation Path:</b>    |                                          |          |
| <b>Comments:</b>           | To received any HANDOVER ACCESS message. |          |
| Parameter Name             | Parameter Value                          | Comments |
| sapi                       | C_Sap0                                   |          |
| logic_ch                   | ?                                        |          |
| msg                        | HandOverAcc_01                           |          |
| fn                         | ?                                        |          |
| <b>Detailed Comments:</b>  |                                          |          |

| ASP Constraint Declaration |                                                          |          |
|----------------------------|----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOvAcc_02(ch: LOGICCH)                                 |          |
| <b>ASP Type:</b>           | DL_RaInHoacc                                             |          |
| <b>Derivation Path:</b>    |                                                          |          |
| <b>Comments:</b>           | To received any HANDOVER ACCESS message on channel `ch`. |          |
| Parameter Name             | Parameter Value                                          | Comments |
| sapi                       | C_Sap0                                                   |          |
| logic_ch                   | ch                                                       |          |
| msg                        | HandOverAcc_01                                           |          |
| fn                         | ?                                                        |          |
| <b>Detailed Comments:</b>  |                                                          |          |

| ASP Constraint Declaration |                                                                                       |          |
|----------------------------|---------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOvAcc_03(ch: LOGICCH; href :HORF)                                                  |          |
| <b>ASP Type:</b>           | DL_RaInHoacc                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                       |          |
| <b>Comments:</b>           | To received a HANDOVER ACCESS message with handover reference `href` on channel `ch`. |          |
| Parameter Name             | Parameter Value                                                                       | Comments |
| sapi                       | C_Sap0                                                                                |          |
| logic_ch                   | ch                                                                                    |          |
| msg                        | HandOverAcc_02(href)                                                                  |          |
| fn                         | ?                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                       |          |

| ASP Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOvAcc_20(ch: LOGICCH; ho_ref: HORF)                     |          |
| <b>ASP Type:</b>           | DL_RaInHoacc                                               |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | To match any received HANDOVER ACCESS message in HO-cases. |          |
| Parameter Name             | Parameter Value                                            | Comments |
| sapi                       | C_Sap0                                                     |          |
| logic_ch                   | ch                                                         |          |
| msg                        | HandOverAcc_02(ho_ref)                                     |          |
| fn                         | ?                                                          |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| ASP Constraint Declaration |                                                         |          |
|----------------------------|---------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOvAccRcv(ch: LOGICCH; msg:HOACC_PDU)                 |          |
| <b>ASP Type:</b>           | DL_RaInHoacc                                            |          |
| <b>Derivation Path:</b>    |                                                         |          |
| <b>Comments:</b>           | To received any HANOVER ACCESS message on channel `ch`. |          |
| Parameter Name             | Parameter Value                                         | Comments |
| sapi                       | C_Sap0                                                  |          |
| logic_ch                   | ch                                                      |          |
| msg                        | msg                                                     |          |
| fn                         | ?                                                       |          |
| <b>Detailed Comments:</b>  |                                                         |          |

| ASP Constraint Declaration |                                                                      |          |
|----------------------------|----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOvFI_01(ch:LOGICCH)                                               |          |
| <b>ASP Type:</b>           | DL_DatInHofl                                                         |          |
| <b>Derivation Path:</b>    |                                                                      |          |
| <b>Comments:</b>           | To match a received HANOVER FAILURE message containing any RR cause. |          |
| Parameter Name             | Parameter Value                                                      | Comments |
| sapi                       | C_Sap0                                                               |          |
| logic_ch                   | ch                                                                   |          |
| msg                        | HandOvFail_01                                                        |          |
| fn                         | ?                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                      |          |

| ASP Constraint Declaration |                                                                                                                                                                                                                                          |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOvFI_02(ch:LOGICCH)                                                                                                                                                                                                                   |          |
| <b>ASP Type:</b>           | DL_DatInHofl                                                                                                                                                                                                                             |          |
| <b>Derivation Path:</b>    | HndOvFI_01.                                                                                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a received HANOVER FAILURE message containing RR cause = "abnormal release, unspecified" or "abnormal release, channel unacceptable" or "abnormal release, no activity on the radio path" or "abnormal release, timer expired". |          |
| Parameter Name             | Parameter Value                                                                                                                                                                                                                          | Comments |
| logic_ch                   | ch                                                                                                                                                                                                                                       |          |
| msg                        | HandOvFail_02                                                                                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                          |          |

| ASP Constraint Declaration |                                                                      |          |
|----------------------------|----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOvFIRcv(ch:LOGICCH; msg :HOFL_PDU)                                |          |
| <b>ASP Type:</b>           | DL_DatInHofl                                                         |          |
| <b>Derivation Path:</b>    |                                                                      |          |
| <b>Comments:</b>           | To match a received HANOVER FAILURE message containing any RR cause. |          |
| Parameter Name             | Parameter Value                                                      | Comments |
| sapi                       | C_Sap0                                                               |          |
| logic_ch                   | ch                                                                   |          |
| msg                        | msg                                                                  |          |
| fn                         | ?                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                      |          |

| ASP Constraint Declaration |                                                         |          |
|----------------------------|---------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOvCmp_01(ch:LOGICCH)                                 |          |
| <b>ASP Type:</b>           | DL_DatInHoCom                                           |          |
| <b>Derivation Path:</b>    |                                                         |          |
| <b>Comments:</b>           | To receive any HANDOVER COMPLETE message on channel ch. |          |
| Parameter Name             | Parameter Value                                         | Comments |
| sapi                       | C_Sap0                                                  |          |
| logic_ch                   | ch                                                      |          |
| msg                        | HandOverCmp_01                                          |          |
| fn                         | ?                                                       |          |
| <b>Detailed Comments:</b>  |                                                         |          |

| ASP Constraint Declaration |                                                                                          |          |
|----------------------------|------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOvCmp_02(ch:LOGICCH)                                                                  |          |
| <b>ASP Type:</b>           | DL_DatInHoCom                                                                            |          |
| <b>Derivation Path:</b>    | HndOvCmp_01.                                                                             |          |
| <b>Comments:</b>           | To receive a HANDOVER COMPLETE message on channel ch containing real time difference IE. |          |
| Parameter Name             | Parameter Value                                                                          | Comments |
| logic_ch                   | ch                                                                                       |          |
| msg                        | HandOverCmp_02                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                          |          |

| ASP Constraint Declaration |                                                                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOvCmp_03(ch:LOGICCH)                                                                                                           |          |
| <b>ASP Type:</b>           | DL_DatInHoCom                                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                                   |          |
| <b>Comments:</b>           | To receive a HANDOVER COMPLETE message with mobile time difference = $(2 * TSPX\_k + TPSX\_y) \bmod 2\ 097\ 152$ on channel `ch`. |          |
| Parameter Name             | Parameter Value                                                                                                                   | Comments |
| sapi                       | C_Sap0                                                                                                                            |          |
| logic_ch                   | ch                                                                                                                                |          |
| msg                        | HandOverCmp_03                                                                                                                    |          |
| fn                         | ?                                                                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                                                   |          |

| ASP Constraint Declaration |                                                                                          |          |
|----------------------------|------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOvCmp_04(ch:LOGICCH)                                                                  |          |
| <b>ASP Type:</b>           | DL_DatInHoCom                                                                            |          |
| <b>Derivation Path:</b>    | HndOvCmp_01.                                                                             |          |
| <b>Comments:</b>           | To receive a HANDOVER COMPLETE message on channel ch containing real time difference IE. |          |
| Parameter Name             | Parameter Value                                                                          | Comments |
| logic_ch                   | ch                                                                                       |          |
| msg                        | HandOverCmp_04                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                          |          |

| ASP Constraint Declaration |                                                         |          |
|----------------------------|---------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOvCmp_20(ch: LOGICCH)                                |          |
| <b>ASP Type:</b>           | DL_DatInHoCom                                           |          |
| <b>Derivation Path:</b>    |                                                         |          |
| <b>Comments:</b>           | To receive any HANDOVER COMPLETE message on channel ch. |          |
| Parameter Name             | Parameter Value                                         | Comments |
| sapi                       | C_Sap0                                                  |          |
| logic_ch                   | ch                                                      |          |
| msg                        | HandOverCmp_20                                          |          |
| fn                         | ?                                                       |          |
| <b>Detailed Comments:</b>  |                                                         |          |

| ASP Constraint Declaration |                                                         |          |
|----------------------------|---------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HndOvCmpRcv(ch:LOGICCH; msg:HO_COM_PDU)                 |          |
| <b>ASP Type:</b>           | DL_DatInHoCom                                           |          |
| <b>Derivation Path:</b>    |                                                         |          |
| <b>Comments:</b>           | To receive any HANDOVER COMPLETE message on channel ch. |          |
| Parameter Name             | Parameter Value                                         | Comments |
| sapi                       | C_Sap0                                                  |          |
| logic_ch                   | ch                                                      |          |
| msg                        | msg                                                     |          |
| fn                         | ?                                                       |          |
| <b>Detailed Comments:</b>  |                                                         |          |

| ASP Constraint Declaration |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | Hold_01(Ti:Ti)               |          |
| <b>ASP Type:</b>           | DL_DatInHold                 |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           | To receive any HOLD message. |          |
| Parameter Name             | Parameter Value              | Comments |
| sapi                       | C_Sap0                       |          |
| logic_ch                   | ?                            |          |
| msg                        | Holdpdu_01(Ti)               |          |
| fn                         | ?                            |          |
| <b>Detailed Comments:</b>  |                              |          |

| ASP Constraint Declaration |                               |          |
|----------------------------|-------------------------------|----------|
| <b>Constraint Name:</b>    | HoldAck_01(Ti:Ti; ch:LOGICCH) |          |
| <b>ASP Type:</b>           | DL_DatRqHoldAck               |          |
| <b>Derivation Path:</b>    |                               |          |
| <b>Comments:</b>           |                               |          |
| Parameter Name             | Parameter Value               | Comments |
| sapi                       | C_Sap0                        |          |
| logic_ch                   | ch                            |          |
| msg                        | HoldAckpdu_01(Ti)             |          |
| <b>Detailed Comments:</b>  |                               |          |



| ASP Constraint Declaration |                                   |          |
|----------------------------|-----------------------------------|----------|
| <b>Constraint Name:</b>    | IDReq(ch:LOGICCH; pdu: ID_RQ_PDU) |          |
| <b>ASP Type:</b>           | DL_DatRqldRq                      |          |
| <b>Derivation Path:</b>    |                                   |          |
| <b>Comments:</b>           | To send IDENTITY REQUEST message  |          |
| Parameter Name             | Parameter Value                   | Comments |
| sapi                       | C_Sap0                            |          |
| logic_ch                   | ch                                |          |
| msg                        | pdu                               |          |
| <b>Detailed Comments:</b>  |                                   |          |

| ASP Constraint Declaration |                                                                          |          |
|----------------------------|--------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | IDReq_inv_01(ch: LOGICCH; skip :INTEGER)                                 |          |
| <b>ASP Type:</b>           | DL_DatRqldRq                                                             |          |
| <b>Derivation Path:</b>    |                                                                          |          |
| <b>Comments:</b>           | To send an IDENTITY REQUEST message containing incorrect skip indicator. |          |
| Parameter Name             | Parameter Value                                                          | Comments |
| sapi                       | C_Sap0                                                                   |          |
| logic_ch                   | ch                                                                       |          |
| msg                        | IDRequest_inv_01(skip)                                                   |          |
| <b>Detailed Comments:</b>  |                                                                          |          |

| ASP Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | IDReq_inv_02(ch: LOGICCH)                                             |          |
| <b>ASP Type:</b>           | DL_DatRqldRq                                                          |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | To send an IDENTITY REQUEST message with reserved identity type value |          |
| Parameter Name             | Parameter Value                                                       | Comments |
| sapi                       | C_Sap0                                                                |          |
| logic_ch                   | ch                                                                    |          |
| msg                        | IDRequest_inv_02                                                      |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| ASP Constraint Declaration |                                                                     |          |
|----------------------------|---------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | IDReq_inv_03(ch:LOGICCH)                                            |          |
| <b>ASP Type:</b>           | DL_DatRqldRq                                                        |          |
| <b>Derivation Path:</b>    |                                                                     |          |
| <b>Comments:</b>           | To send an IDENTITY REQUEST message containing arbitrary spare bits |          |
| Parameter Name             | Parameter Value                                                     | Comments |
| sapi                       | C_Sap0                                                              |          |
| logic_ch                   | ch                                                                  |          |
| msg                        | IDRequest_inv_03                                                    |          |
| <b>Detailed Comments:</b>  |                                                                     |          |

| ASP Constraint Declaration |                                         |          |
|----------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>    | IDRes(pdu: ID_RES_PDU)                  |          |
| <b>ASP Type:</b>           | DL_DatInIdRes                           |          |
| <b>Derivation Path:</b>    |                                         |          |
| <b>Comments:</b>           | To receive a IDENTITY RESPONSE message. |          |
| Parameter Name             | Parameter Value                         | Comments |
| sapi                       | C_Sap0                                  |          |
| logic_ch                   | ?                                       |          |
| msg                        | pdu                                     |          |
| fn                         | ?                                       |          |
| <b>Detailed Comments:</b>  |                                         |          |

| ASP Constraint Declaration |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | IDRes_01                                                                      |          |
| <b>ASP Type:</b>           | DL_DatInIdRes                                                                 |          |
| <b>Derivation Path:</b>    |                                                                               |          |
| <b>Comments:</b>           | To match a received IDENTITY RESPONSE message containing any mobile identity. |          |
| Parameter Name             | Parameter Value                                                               | Comments |
| sapi                       | C_Sap0                                                                        |          |
| logic_ch                   | ?                                                                             |          |
| msg                        | IDResponse_01                                                                 |          |
| fn                         | ?                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| ASP Constraint Declaration |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | IDRes_02                                                                       |          |
| <b>ASP Type:</b>           | DL_DatInIdRes                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                |          |
| <b>Comments:</b>           | To match an IDENTITY RESPONSE message which contains TMSI of the MS under test |          |
| Parameter Name             | Parameter Value                                                                | Comments |
| sapi                       | C_Sap0                                                                         |          |
| logic_ch                   | ?                                                                              |          |
| msg                        | IDResponse_02                                                                  |          |
| fn                         | ?                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| ASP Constraint Declaration |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | IDRes_30(par:MI)                                                                |          |
| <b>ASP Type:</b>           | DL_DatInIdRes                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                 |          |
| <b>Comments:</b>           | To match a received IDENTITY RESPONSE message containing given mobile identity. |          |
| Parameter Name             | Parameter Value                                                                 | Comments |
| sapi                       | C_Sap0                                                                          |          |
| logic_ch                   | ?                                                                               |          |
| msg                        | IDResponse_30(par)                                                              |          |
| fn                         | ?                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| ASP Constraint Declaration |                                          |          |
|----------------------------|------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss(ch: LOGICCH; pdu: IMM_ASS_PDU)    |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                             |          |
| <b>Derivation Path:</b>    |                                          |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message. |          |
| Parameter Name             | Parameter Value                          | Comments |
| sapi                       | C_Sap0                                   |          |
| logic_ch                   | ch                                       |          |
| msg                        | pdu                                      |          |
| <b>Detailed Comments:</b>  |                                          |          |

| ASP Constraint Declaration |                                                                                                                      |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_01(ch:LOGICCH; Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA; par_arfcn: INTEGER)                            |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                                      |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/4 subchannel defined by TSPX_SDCCH4SubDef for the MS |          |
| Parameter Name             | Parameter Value                                                                                                      | Comments |
| sapi                       | C_Sap0                                                                                                               |          |
| logic_ch                   | ch                                                                                                                   |          |
| msg                        | ImmAsgn_01(Rr, Fn, slot, tsc, ta, par_arfcn)                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                                                      |          |

| ASP Constraint Declaration |                                                                                                                      |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_01Def(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                              |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                                      |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/4 subchannel defined by TSPX_SDCCH4SubDef for the MS |          |
| Parameter Name             | Parameter Value                                                                                                      | Comments |
| sapi                       | C_Sap0                                                                                                               |          |
| logic_ch                   | ch                                                                                                                   |          |
| msg                        | ImmAsgn_01Def(Rr, Fn, slot, tsc, ta)                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                                      |          |

| ASP Constraint Declaration |                                                                                                                                                |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_02(ch:LOGICCH;Rr: BITSTRING; Fn: FN; ta:TA)                                                                                             |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                                                                                |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns a frequency hopping channel the MS, the channel type is specified in the send statement. |          |
| Parameter Name             | Parameter Value                                                                                                                                | Comments |
| sapi                       | C_Sap0                                                                                                                                         |          |
| logic_ch                   | ch                                                                                                                                             |          |
| msg                        | ImmAsgn_02(Rr, Fn, ta)                                                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                |          |

| ASP Constraint Declaration |                                                                          |          |
|----------------------------|--------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_03(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)     |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                             |          |
| <b>Derivation Path:</b>    |                                                                          |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message containing extended paging mode. |          |
| Parameter Name             | Parameter Value                                                          | Comments |
| sapi                       | C_Sap0                                                                   |          |
| logic_ch                   | ch                                                                       |          |
| msg                        | ImmAsgn_03(Rr, Fn, slot, tsc, ta)                                        |          |
| <b>Detailed Comments:</b>  | Used in 26_6_2_2                                                         |          |

| ASP Constraint Declaration |                                                                          |          |
|----------------------------|--------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_03d(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)    |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                             |          |
| <b>Derivation Path:</b>    |                                                                          |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message containing extended paging mode. |          |
| Parameter Name             | Parameter Value                                                          | Comments |
| sapi                       | C_Sap0                                                                   |          |
| logic_ch                   | ch                                                                       |          |
| msg                        | ImmAsgn_03d(Rr, Fn, slot, tsc, ta)                                       |          |
| <b>Detailed Comments:</b>  | Used in 26_6_2_2                                                         |          |

| ASP Constraint Declaration |                                                                                                |          |
|----------------------------|------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_06(ch:LOGICCH; Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                          |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                                |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/4 channel of cell B for the MS |          |
| Parameter Name             | Parameter Value                                                                                | Comments |
| sapi                       | C_Sap0                                                                                         |          |
| logic_ch                   | ch                                                                                             |          |
| msg                        | ImmAsgn_06(Rr, Fn, slot, tsc, ta)                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                                |          |

| ASP Constraint Declaration |                                                                                                                                                        |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_08(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                                   |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                                                        |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/4 subchannel defined by TSPX_SDCCH4SubDef for the MS and timing advance = TSPX_TimadvA |          |
| Parameter Name             | Parameter Value                                                                                                                                        | Comments |
| sapi                       | C_Sap0                                                                                                                                                 |          |
| logic_ch                   | ch                                                                                                                                                     |          |
| msg                        | ImmAsgn_08(Rr, Fn, slot, tsc, ta)                                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                        |          |

| <b>ASP Constraint Declaration</b> |                                                                                                                               |          |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | ImmAss_20(Rr: BITSTRING; Fn: FN; ch:LOGICCH; ts_ccch: BITSTRING; par_arfcn: INTEGER; ta:TA)                                   |          |
| <b>ASP Type:</b>                  | DL_UdatRqImm                                                                                                                  |          |
| <b>Derivation Path:</b>           |                                                                                                                               |          |
| <b>Comments:</b>                  | Basic constraint with default values for sending an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/4 channel for the MS |          |
| Parameter Name                    | Parameter Value                                                                                                               | Comments |
| sapi                              | C_Sap0                                                                                                                        |          |
| logic_ch                          | ch                                                                                                                            |          |
| msg                               | ImmAsgn_25(Rr, Fn, ts_ccch, par_arfcn, ta)                                                                                    |          |
| <b>Detailed Comments:</b>         |                                                                                                                               |          |

| <b>ASP Constraint Declaration</b> |                                                                                             |          |
|-----------------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | ImmAss_21(Rr: BITSTRING; Fn: FN; ch:LOGICCH; ts_ccch: BITSTRING; par_arfcn: INTEGER; ta:TA) |          |
| <b>ASP Type:</b>                  | DL_UdatRqImm                                                                                |          |
| <b>Derivation Path:</b>           |                                                                                             |          |
| <b>Comments:</b>                  | To send an IMMEDIATE ASSIGNMENT message which assigns the TCH/F_NonFH channel for the MS.   |          |
| Parameter Name                    | Parameter Value                                                                             | Comments |
| sapi                              | C_Sap0                                                                                      |          |
| logic_ch                          | ch                                                                                          |          |
| msg                               | ImmAsgn_21(Rr, Fn, ts_ccch, par_arfcn, ta)                                                  |          |
| <b>Detailed Comments:</b>         |                                                                                             |          |

| <b>ASP Constraint Declaration</b> |                                                                                       |          |
|-----------------------------------|---------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | ImmAss_221(Rr: BITSTRING; Fn: FN; ch:LOGICCH; ts_ccch: BITSTRING; ta:TA)              |          |
| <b>ASP Type:</b>                  | DL_UdatRqImm                                                                          |          |
| <b>Derivation Path:</b>           |                                                                                       |          |
| <b>Comments:</b>                  | To send an IMMEDIATE ASSIGNMENT message which assigns the TCH/F_FH channel for the MS |          |
| Parameter Name                    | Parameter Value                                                                       | Comments |
| sapi                              | C_Sap0                                                                                |          |
| logic_ch                          | ch                                                                                    |          |
| msg                               | ImmAsgn_221(Rr, Fn, ts_ccch, ta)                                                      |          |
| <b>Detailed Comments:</b>         |                                                                                       |          |

| <b>ASP Constraint Declaration</b> |                                                                                       |          |
|-----------------------------------|---------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | ImmAss_242(Rr: BITSTRING; Fn: FN; ch:LOGICCH; ts_ccch: BITSTRING; ta:TA)              |          |
| <b>ASP Type:</b>                  | DL_UdatRqImm                                                                          |          |
| <b>Derivation Path:</b>           |                                                                                       |          |
| <b>Comments:</b>                  | To send an IMMEDIATE ASSIGNMENT message which assigns the TCH/H_FH channel for the MS |          |
| Parameter Name                    | Parameter Value                                                                       | Comments |
| sapi                              | C_Sap0                                                                                |          |
| logic_ch                          | ch                                                                                    |          |
| msg                               | ImmAsgn_242(Rr, Fn, ts_ccch, ta)                                                      |          |
| <b>Detailed Comments:</b>         |                                                                                       |          |

| ASP Constraint Declaration |                                                                                       |          |
|----------------------------|---------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_243(Rr: BITSTRING; Fn: FN; ch:LOGICCH; ts_ccch: BITSTRING; ta:TA)              |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                       |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the TCH/H_FH channel for the MS |          |
| Parameter Name             | Parameter Value                                                                       | Comments |
| sapi                       | C_Sap0                                                                                |          |
| logic_ch                   | ch                                                                                    |          |
| msg                        | ImmAsgn_243(Rr, Fn, ts_ccch, ta)                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                       |          |

| ASP Constraint Declaration |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_25(Rr: BITSTRING; Fn: FN; ch:LOGICCH; ts_ccch: BITSTRING; par_arfcn: INTEGER; ta:TA) |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                             |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/4 channel for the MS        |          |
| Parameter Name             | Parameter Value                                                                             | Comments |
| sapi                       | C_Sap0                                                                                      |          |
| logic_ch                   | ch                                                                                          |          |
| msg                        | ImmAsgn_25(Rr, Fn, ts_ccch, par_arfcn, ta)                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| ASP Constraint Declaration |                                                                                                                      |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_26(Rr: BITSTRING; Fn: FN; ch: LOGICCH; slot:SN; tsc:TSC; ta:TA)                                               |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                                      |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/4 subchannel defined by TSPX_SDCCH4SubDef for the MS |          |
| Parameter Name             | Parameter Value                                                                                                      | Comments |
| sapi                       | C_Sap0                                                                                                               |          |
| logic_ch                   | ch                                                                                                                   |          |
| msg                        | ImmAsgn_01Def(Rr, Fn, slot, tsc, ta)                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                                      |          |

| ASP Constraint Declaration |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_27(Rr: BITSTRING; Fn: FN; ch:LOGICCH; ts_ccch: BITSTRING; par_arfcn: INTEGER; ta:TA) |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                             |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/8 NoFH channel for the MS.  |          |
| Parameter Name             | Parameter Value                                                                             | Comments |
| sapi                       | C_Sap0                                                                                      |          |
| logic_ch                   | ch                                                                                          |          |
| msg                        | ImmAsgn_27(Rr, Fn, ts_ccch, par_arfcn, ta)                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| <b>ASP Constraint Declaration</b> |                                                                                                        |          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | ImmAss_E_01(Rr: BITSTRING; Fn: FN; ch:LOGICCH; ts_ccch: BITSTRING; tsc:TSC; par_arfcn: INTEGER; ta:TA) |          |
| <b>ASP Type:</b>                  | DL_UdatRqImm                                                                                           |          |
| <b>Derivation Path:</b>           |                                                                                                        |          |
| <b>Comments:</b>                  | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/8 NoFH channel for the MS.             |          |
| Parameter Name                    | Parameter Value                                                                                        | Comments |
| sapi                              | C_Sap0                                                                                                 |          |
| logic_ch                          | ch                                                                                                     |          |
| msg                               | ImmAsgn_E_01(Rr, Fn, ts_ccch, tsc, par_arfcn, ta)                                                      |          |
| <b>Detailed Comments:</b>         |                                                                                                        |          |

| <b>ASP Constraint Declaration</b> |                                                                                                         |          |
|-----------------------------------|---------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | ImmAss_E_02(Rr: BITSTRING; Fn: FN; ch:LOGICCH; ts_ccch: BITSTRING; tsc:TSC; ta:TA)                      |          |
| <b>ASP Type:</b>                  | DL_UdatRqImm                                                                                            |          |
| <b>Derivation Path:</b>           |                                                                                                         |          |
| <b>Comments:</b>                  | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/8 FH channel for the MS in E-GSM cases. |          |
| Parameter Name                    | Parameter Value                                                                                         | Comments |
| sapi                              | C_Sap0                                                                                                  |          |
| logic_ch                          | ch                                                                                                      |          |
| msg                               | ImmAsgn_E_02(Rr, Fn, ts_ccch, tsc, ta)                                                                  |          |
| <b>Detailed Comments:</b>         |                                                                                                         |          |

| <b>ASP Constraint Declaration</b> |                                                                                          |          |
|-----------------------------------|------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | ImmAss_281(Rr: BITSTRING; Fn: FN; ch:LOGICCH; ts_ccch: BITSTRING; ta:TA)                 |          |
| <b>ASP Type:</b>                  | DL_UdatRqImm                                                                             |          |
| <b>Derivation Path:</b>           |                                                                                          |          |
| <b>Comments:</b>                  | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/8 FH channel for the MS. |          |
| Parameter Name                    | Parameter Value                                                                          | Comments |
| sapi                              | C_Sap0                                                                                   |          |
| logic_ch                          | ch                                                                                       |          |
| msg                               | ImmAsgn_281(Rr, Fn, ts_ccch, ta)                                                         |          |
| <b>Detailed Comments:</b>         |                                                                                          |          |

| <b>ASP Constraint Declaration</b> |                                                                                          |          |
|-----------------------------------|------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | ImmAss_281d(Rr: BITSTRING; Fn: FN; ch:LOGICCH; ts_ccch: BITSTRING; ta:TA)                |          |
| <b>ASP Type:</b>                  | DL_UdatRqImm                                                                             |          |
| <b>Derivation Path:</b>           |                                                                                          |          |
| <b>Comments:</b>                  | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/8 FH channel for the MS. |          |
| Parameter Name                    | Parameter Value                                                                          | Comments |
| sapi                              | C_Sap0                                                                                   |          |
| logic_ch                          | ch                                                                                       |          |
| msg                               | ImmAsgn_281d(Rr, Fn, ts_ccch, ta)                                                        |          |
| <b>Detailed Comments:</b>         |                                                                                          |          |

| ASP Constraint Declaration |                                                                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_281e2(Rr: BITSTRING; Fn: FN; ch:LOGICCH; ts_ccch: BITSTRING; ta:TA)                                                       |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                                  |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/8 FH channel for the MS in E-GSM cases, specified for 26.10.5.1. |          |
| Parameter Name             | Parameter Value                                                                                                                  | Comments |
| sapi                       | C_Sap0                                                                                                                           |          |
| logic_ch                   | ch                                                                                                                               |          |
| msg                        | ImmAsgn_281e2(Rr, Fn, ts_ccch, ta)                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                  |          |

| ASP Constraint Declaration |                                                                                          |          |
|----------------------------|------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_282(Rr: BITSTRING; Fn: FN; ch:LOGICCH; ts_ccch: BITSTRING; ta:TA)                 |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                          |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/8 FH channel for the MS. |          |
| Parameter Name             | Parameter Value                                                                          | Comments |
| sapi                       | C_Sap0                                                                                   |          |
| logic_ch                   | ch                                                                                       |          |
| msg                        | ImmAsgn_282(Rr, Fn, ts_ccch, ta)                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                          |          |

| ASP Constraint Declaration |                                                                                          |          |
|----------------------------|------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_282d(Rr: BITSTRING; Fn: FN; ch:LOGICCH; ts_ccch: BITSTRING; ta:TA)                |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                          |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/8 FH channel for the MS. |          |
| Parameter Name             | Parameter Value                                                                          | Comments |
| sapi                       | C_Sap0                                                                                   |          |
| logic_ch                   | ch                                                                                       |          |
| msg                        | ImmAsgn_282d(Rr, Fn, ts_ccch, ta)                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                          |          |

| ASP Constraint Declaration |                                                                                          |          |
|----------------------------|------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_283(Rr: BITSTRING; Fn: FN; ch:LOGICCH; ts_ccch: BITSTRING; ta:TA)                 |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                          |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/8 FH channel for the MS. |          |
| Parameter Name             | Parameter Value                                                                          | Comments |
| sapi                       | C_Sap0                                                                                   |          |
| logic_ch                   | ch                                                                                       |          |
| msg                        | ImmAsgn_283(Rr, Fn, ts_ccch, ta)                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                          |          |



| ASP Constraint Declaration |                                                                                          |          |
|----------------------------|------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_283d(Rr: BITSTRING; Fn: FN; ch:LOGICCH; ts_ccch: BITSTRING; ta:TA)                |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                          |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/8 FH channel for the MS. |          |
| Parameter Name             | Parameter Value                                                                          | Comments |
| sapi                       | C_Sap0                                                                                   |          |
| logic_ch                   | ch                                                                                       |          |
| msg                        | ImmAsgn_283d(Rr, Fn, ts_ccch, ta)                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                          |          |

| ASP Constraint Declaration |                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_inv_01(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)             |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                      |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message contains an unknown skip indicator ('0001'B) |          |
| Parameter Name             | Parameter Value                                                                      | Comments |
| sapi                       | C_Sap0                                                                               |          |
| logic_ch                   | ch                                                                                   |          |
| msg                        | ImmAsgn_inv_01(Rr, Fn, slot, tsc, ta)                                                |          |
| <b>Detailed Comments:</b>  |                                                                                      |          |

| ASP Constraint Declaration |                                                                          |          |
|----------------------------|--------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_inv_04(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA) |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                             |          |
| <b>Derivation Path:</b>    |                                                                          |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message containing arbitrary spare bits. |          |
| Parameter Name             | Parameter Value                                                          | Comments |
| sapi                       | C_Sap0                                                                   |          |
| logic_ch                   | ch                                                                       |          |
| msg                        | ImmAsgn_inv_04(Rr, Fn, slot, tsc, ta)                                    |          |
| <b>Detailed Comments:</b>  |                                                                          |          |

| ASP Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r(ch:LOGICCH;chd:CHD; Rr: BITSTRING; Fn: FN; ta:TA) |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                               |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message                    |          |
| Parameter Name             | Parameter Value                                            | Comments |
| sapi                       | C_Sap0                                                     |          |
| logic_ch                   | ch                                                         |          |
| msg                        | ImmAsgn_r(chd,Rr,Fn, ta)                                   |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| ASP Constraint Declaration |                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r02(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                      |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/8 channel for the MS |          |
| Parameter Name             | Parameter Value                                                                      | Comments |
| sapi                       | C_Sap0                                                                               |          |
| logic_ch                   | ch                                                                                   |          |
| msg                        | ImmAsgn_r02(Rr, Fn, slot, tsc, ta)                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                      |          |

| ASP Constraint Declaration |                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r02d(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)               |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                      |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/8 channel for the MS |          |
| Parameter Name             | Parameter Value                                                                      | Comments |
| sapi                       | C_Sap0                                                                               |          |
| logic_ch                   | ch                                                                                   |          |
| msg                        | ImmAsgn_r02d(Rr, Fn, slot, tsc, ta)                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                      |          |

| ASP Constraint Declaration |                                                                                                                          |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r04(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                    |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                                          |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/8 channel for the MS. The subchannel is TSPX_SDCCH8SubD. |          |
| Parameter Name             | Parameter Value                                                                                                          | Comments |
| sapi                       | C_Sap0                                                                                                                   |          |
| logic_ch                   | ch                                                                                                                       |          |
| msg                        | ImmAsgn_r04(Rr, Fn, slot, tsc, ta)                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                                          |          |

| ASP Constraint Declaration |                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r05(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                      |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/8 channel for the MS |          |
| Parameter Name             | Parameter Value                                                                      | Comments |
| sapi                       | C_Sap0                                                                               |          |
| logic_ch                   | ch                                                                                   |          |
| msg                        | ImmAsgn_r05(Rr, Fn, slot, tsc, ta)                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                      |          |

| ASP Constraint Declaration |                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r05d(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)               |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                      |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/8 channel for the MS |          |
| Parameter Name             | Parameter Value                                                                      | Comments |
| sapi                       | C_Sap0                                                                               |          |
| logic_ch                   | ch                                                                                   |          |
| msg                        | ImmAsgn_r05d(Rr, Fn, slot, tsc, ta)                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                      |          |

| ASP Constraint Declaration |                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r06(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                      |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/8 channel for the MS |          |
| Parameter Name             | Parameter Value                                                                      | Comments |
| sapi                       | C_Sap0                                                                               |          |
| logic_ch                   | ch                                                                                   |          |
| msg                        | ImmAsgn_r06(Rr, Fn, slot, tsc, ta)                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                      |          |

| ASP Constraint Declaration |                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r06d(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)               |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                      |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/8 channel for the MS |          |
| Parameter Name             | Parameter Value                                                                      | Comments |
| sapi                       | C_Sap0                                                                               |          |
| logic_ch                   | ch                                                                                   |          |
| msg                        | ImmAsgn_r06d(Rr, Fn, slot, tsc, ta)                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                      |          |

| ASP Constraint Declaration |                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r07(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                      |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/8 channel for the MS |          |
| Parameter Name             | Parameter Value                                                                      | Comments |
| sapi                       | C_Sap0                                                                               |          |
| logic_ch                   | ch                                                                                   |          |
| msg                        | ImmAsgn_r07(Rr, Fn, slot, tsc, ta)                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                      |          |

| ASP Constraint Declaration |                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r07d(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)               |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                      |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/8 channel for the MS |          |
| Parameter Name             | Parameter Value                                                                      | Comments |
| sapi                       | C_Sap0                                                                               |          |
| logic_ch                   | ch                                                                                   |          |
| msg                        | ImmAsgn_r07d(Rr, Fn, slot, tsc, ta)                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                      |          |

| ASP Constraint Declaration |                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r08(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                      |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/8 channel for the MS |          |
| Parameter Name             | Parameter Value                                                                      | Comments |
| sapi                       | C_Sap0                                                                               |          |
| logic_ch                   | ch                                                                                   |          |
| msg                        | ImmAsgn_r08(Rr, Fn, slot, tsc, ta)                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                      |          |

| ASP Constraint Declaration |                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r08d(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)               |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                      |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/8 channel for the MS |          |
| Parameter Name             | Parameter Value                                                                      | Comments |
| sapi                       | C_Sap0                                                                               |          |
| logic_ch                   | ch                                                                                   |          |
| msg                        | ImmAsgn_r08d(Rr, Fn, slot, tsc, ta)                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                      |          |

| ASP Constraint Declaration |                                                                                                    |          |
|----------------------------|----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r09(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                              |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                                    |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/4 channel for the MS for RR tests. |          |
| Parameter Name             | Parameter Value                                                                                    | Comments |
| sapi                       | C_Sap0                                                                                             |          |
| logic_ch                   | ch                                                                                                 |          |
| msg                        | ImmAsgn_r09(Rr, Fn, slot, tsc, ta)                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                    |          |

| ASP Constraint Declaration |                                                                                                           |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r09d(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                    |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                           |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/4 channel for the MS for RR tests of DCS. |          |
| Parameter Name             | Parameter Value                                                                                           | Comments |
| sapi                       | C_Sap0                                                                                                    |          |
| logic_ch                   | ch                                                                                                        |          |
| msg                        | ImmAsgn_r09d(Rr, Fn, slot, tsc, ta)                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                           |          |

| ASP Constraint Declaration |                                                                                                    |          |
|----------------------------|----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r10(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                              |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                                    |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/4 channel for the MS for RR tests. |          |
| Parameter Name             | Parameter Value                                                                                    | Comments |
| sapi                       | C_Sap0                                                                                             |          |
| logic_ch                   | ch                                                                                                 |          |
| msg                        | ImmAsgn_r10(Rr, Fn, slot, tsc, ta)                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                    |          |

| ASP Constraint Declaration |                                                                                                    |          |
|----------------------------|----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r10d(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                             |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                                    |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/4 channel for the MS for RR tests. |          |
| Parameter Name             | Parameter Value                                                                                    | Comments |
| sapi                       | C_Sap0                                                                                             |          |
| logic_ch                   | ch                                                                                                 |          |
| msg                        | ImmAsgn_r10d(Rr, Fn, slot, tsc, ta)                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                    |          |

| ASP Constraint Declaration |                                                                                                    |          |
|----------------------------|----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r11(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                              |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                                    |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/4 channel for the MS for RR tests. |          |
| Parameter Name             | Parameter Value                                                                                    | Comments |
| sapi                       | C_Sap0                                                                                             |          |
| logic_ch                   | ch                                                                                                 |          |
| msg                        | ImmAsgn_r11(Rr, Fn, slot, tsc, ta)                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                    |          |

| ASP Constraint Declaration |                                                                                                           |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r11d(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                    |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                           |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/4 channel for the MS for RR tests of DCS. |          |
| Parameter Name             | Parameter Value                                                                                           | Comments |
| sapi                       | C_Sap0                                                                                                    |          |
| logic_ch                   | ch                                                                                                        |          |
| msg                        | ImmAsgn_r11d(Rr, Fn, slot, tsc, ta)                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                           |          |

| ASP Constraint Declaration |                                                                                                    |          |
|----------------------------|----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r12(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                              |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                                    |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/4 channel for the MS for RR tests. |          |
| Parameter Name             | Parameter Value                                                                                    | Comments |
| sapi                       | C_Sap0                                                                                             |          |
| logic_ch                   | ch                                                                                                 |          |
| msg                        | ImmAsgn_r12(Rr, Fn, slot, tsc, ta)                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                    |          |

| ASP Constraint Declaration |                                                                                                                           |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r13(ch:LOGICCH;Rr: BITSTRING; Fn: FN; chd:CHD; ta:TA)                                                              |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                                           |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the TCH/F channel for the MS with a time advance of 30 bit periods. |          |
| Parameter Name             | Parameter Value                                                                                                           | Comments |
| sapi                       | C_Sap0                                                                                                                    |          |
| logic_ch                   | ch                                                                                                                        |          |
| msg                        | ImmAsgn_r13(Rr, Fn, chd, ta)                                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                                                           |          |

| ASP Constraint Declaration |                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r14(ch:LOGICCH;Rr: BITSTRING; Fn: FN; chd:CHD; ta:TA)                       |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                    |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the TCH/H channel for the MS |          |
| Parameter Name             | Parameter Value                                                                    | Comments |
| sapi                       | C_Sap0                                                                             |          |
| logic_ch                   | ch                                                                                 |          |
| msg                        | ImmAsgn_r14(Rr, Fn, chd, ta)                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                    |          |

| ASP Constraint Declaration |                                                                                                           |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r16(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                     |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                           |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/4 channel for the MS for RR tests of DCS. |          |
| Parameter Name             | Parameter Value                                                                                           | Comments |
| sapi                       | C_Sap0                                                                                                    |          |
| logic_ch                   | ch                                                                                                        |          |
| msg                        | ImmAsgn_r16(Rr, Fn, slot, tsc, ta)                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                           |          |

| ASP Constraint Declaration |                                                                                                           |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r18(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                     |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                           |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/4 channel for the MS for RR tests of DCS. |          |
| Parameter Name             | Parameter Value                                                                                           | Comments |
| sapi                       | C_Sap0                                                                                                    |          |
| logic_ch                   | ch                                                                                                        |          |
| msg                        | ImmAsgn_r18(Rr, Fn, slot, tsc, ta)                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                           |          |

| ASP Constraint Declaration |                                                                                                    |          |
|----------------------------|----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r22(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                              |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                                    |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/4 channel for the MS for RR tests. |          |
| Parameter Name             | Parameter Value                                                                                    | Comments |
| sapi                       | C_Sap0                                                                                             |          |
| logic_ch                   | ch                                                                                                 |          |
| msg                        | ImmAsgn_r22(Rr, Fn, slot, tsc, ta)                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                    |          |

| ASP Constraint Declaration |                                                                                                    |          |
|----------------------------|----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r23(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                              |          |
| <b>ASP Type:</b>           | DL_UdatRqImm                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                                    |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/4 channel for the MS for RR tests. |          |
| Parameter Name             | Parameter Value                                                                                    | Comments |
| sapi                       | C_Sap0                                                                                             |          |
| logic_ch                   | ch                                                                                                 |          |
| msg                        | ImmAsgn_r23(Rr, Fn, slot, tsc, ta)                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                    |          |

| ASP Constraint Declaration |                                                                                                    |          |
|----------------------------|----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r24(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                              |          |
| <b>ASP Type:</b>           | DL_UdatRqImmss                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                    |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/4 channel for the MS for RR tests. |          |
| Parameter Name             | Parameter Value                                                                                    | Comments |
| sapi                       | C_Sap0                                                                                             |          |
| logic_ch                   | ch                                                                                                 |          |
| msg                        | ImmAsgn_r24(Rr, Fn, slot, tsc, ta)                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                    |          |

| ASP Constraint Declaration |                                                                                                    |          |
|----------------------------|----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r25(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                              |          |
| <b>ASP Type:</b>           | DL_UdatRqImmss                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                    |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/4 channel for the MS for RR tests. |          |
| Parameter Name             | Parameter Value                                                                                    | Comments |
| sapi                       | C_Sap0                                                                                             |          |
| logic_ch                   | ch                                                                                                 |          |
| msg                        | ImmAsgn_r25(Rr, Fn, slot, tsc, ta)                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                    |          |

| ASP Constraint Declaration |                                                                                                    |          |
|----------------------------|----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r26(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                              |          |
| <b>ASP Type:</b>           | DL_UdatRqImmss                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                    |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/4 channel for the MS for RR tests. |          |
| Parameter Name             | Parameter Value                                                                                    | Comments |
| sapi                       | C_Sap0                                                                                             |          |
| logic_ch                   | ch                                                                                                 |          |
| msg                        | ImmAsgn_r26(Rr, Fn, slot, tsc, ta)                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                    |          |

| ASP Constraint Declaration |                                                                                                        |          |
|----------------------------|--------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r27(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                  |          |
| <b>ASP Type:</b>           | DL_UdatRqImmss                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                        |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/8 channel for the MS for TC_26_6_13_1. |          |
| Parameter Name             | Parameter Value                                                                                        | Comments |
| sapi                       | C_Sap0                                                                                                 |          |
| logic_ch                   | ch                                                                                                     |          |
| msg                        | ImmAsgn_r27(Rr, Fn, slot, tsc, ta)                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                                        |          |



| <b>ASP Constraint Declaration</b> |                                                                                                        |          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | ImmAss_r28(Rr: BITSTRING; Fn: FN; ch:LOGICCH; slot:SN; tsc:TSC; ta:TA)                                 |          |
| <b>ASP Type:</b>                  | DL_UdatRqImm                                                                                           |          |
| <b>Derivation Path:</b>           |                                                                                                        |          |
| <b>Comments:</b>                  | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH/8 channel for the MS for TC_26_6_13_2. |          |
| Parameter Name                    | Parameter Value                                                                                        | Comments |
| sapi                              | C_Sap0                                                                                                 |          |
| logic_ch                          | ch                                                                                                     |          |
| msg                               | ImmAsgn_r28(Rr, Fn, slot, tsc, ta)                                                                     |          |
| <b>Detailed Comments:</b>         |                                                                                                        |          |

| <b>ASP Constraint Declaration</b> |                                                                                                           |          |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | ImmAss_r29(Rr: BITSTRING; Fn: FN; ch:LOGICCH; slot:SN; tsc:TSC; ta:TA)                                    |          |
| <b>ASP Type:</b>                  | DL_UdatRqImm                                                                                              |          |
| <b>Derivation Path:</b>           |                                                                                                           |          |
| <b>Comments:</b>                  | To send an IMMEDIATE ASSIGNMENT message which assigns the channel defined by PIXIT, used in TC_26_6_13_3. |          |
| Parameter Name                    | Parameter Value                                                                                           | Comments |
| sapi                              | C_Sap0                                                                                                    |          |
| logic_ch                          | ch                                                                                                        |          |
| msg                               | ImmAsgn_r29(Rr, Fn, slot, tsc, ta)                                                                        |          |
| <b>Detailed Comments:</b>         |                                                                                                           |          |

| <b>ASP Constraint Declaration</b> |                                                                                                           |          |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | ImmAss_r30(Rr: BITSTRING; Fn: FN; ch:LOGICCH; slot:SN; tsc:TSC; ta:TA)                                    |          |
| <b>ASP Type:</b>                  | DL_UdatRqImm                                                                                              |          |
| <b>Derivation Path:</b>           |                                                                                                           |          |
| <b>Comments:</b>                  | To send an IMMEDIATE ASSIGNMENT message which assigns the channel defined by PIXIT, used in TC_26_6_13_4. |          |
| Parameter Name                    | Parameter Value                                                                                           | Comments |
| sapi                              | C_Sap0                                                                                                    |          |
| logic_ch                          | ch                                                                                                        |          |
| msg                               | ImmAsgn_r30(Rr, Fn, slot, tsc, ta)                                                                        |          |
| <b>Detailed Comments:</b>         |                                                                                                           |          |

| <b>ASP Constraint Declaration</b> |                                                                                                     |          |
|-----------------------------------|-----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | ImmAss_r31(Rr: BITSTRING; Fn: FN; ch:LOGICCH; slot:SN; tsc:TSC; ta:TA)                              |          |
| <b>ASP Type:</b>                  | DL_UdatRqImm                                                                                        |          |
| <b>Derivation Path:</b>           |                                                                                                     |          |
| <b>Comments:</b>                  | To send an IMMEDIATE ASSIGNMENT message which assigns hopping SDCCH8 channel, used in TC_26_6_13_5. |          |
| Parameter Name                    | Parameter Value                                                                                     | Comments |
| sapi                              | C_Sap0                                                                                              |          |
| logic_ch                          | ch                                                                                                  |          |
| msg                               | ImmAsgn_r31(Rr, Fn, slot, tsc, ta)                                                                  |          |
| <b>Detailed Comments:</b>         |                                                                                                     |          |

| ASP Constraint Declaration |                                                                                                     |          |
|----------------------------|-----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r32(Rr: BITSTRING; Fn: FN; ch:LOGICCH; slot:SN; tsc:TSC; ta:TA)                              |          |
| <b>ASP Type:</b>           | DL_UdatRqImmss                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                                     |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns hopping SDCCH8 channel, used in TC_26_6_13_6. |          |
| Parameter Name             | Parameter Value                                                                                     | Comments |
| sapi                       | C_Sap0                                                                                              |          |
| logic_ch                   | ch                                                                                                  |          |
| msg                        | ImmAsgn_r32(Rr, Fn, slot, tsc, ta)                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                     |          |

| ASP Constraint Declaration |                                                                                                           |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r33(Rr: BITSTRING; Fn: FN; ch:LOGICCH; slot:SN; tsc:TSC; ta:TA)                                    |          |
| <b>ASP Type:</b>           | DL_UdatRqImmss                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                           |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the channel defined by PIXIT, used in TC_26_6_13_7. |          |
| Parameter Name             | Parameter Value                                                                                           | Comments |
| sapi                       | C_Sap0                                                                                                    |          |
| logic_ch                   | ch                                                                                                        |          |
| msg                        | ImmAsgn_r33(Rr, Fn, slot, tsc, ta)                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                           |          |

| ASP Constraint Declaration |                                                                                                           |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r34(Rr: BITSTRING; Fn: FN; ch:LOGICCH; slot:SN; tsc:TSC; ta:TA)                                    |          |
| <b>ASP Type:</b>           | DL_UdatRqImmss                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                           |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the channel defined by PIXIT, used in TC_26_6_13_8. |          |
| Parameter Name             | Parameter Value                                                                                           | Comments |
| sapi                       | C_Sap0                                                                                                    |          |
| logic_ch                   | ch                                                                                                        |          |
| msg                        | ImmAsgn_r34(Rr, Fn, slot, tsc, ta)                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                           |          |

| ASP Constraint Declaration |                                                                                                           |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAss_r35(Rr: BITSTRING; Fn: FN; ch:LOGICCH; slot:SN; tsc:TSC; ta:TA)                                    |          |
| <b>ASP Type:</b>           | DL_UdatRqImmss                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                           |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT message which assigns the channel defined by PIXIT, used in TC_26_6_13_9. |          |
| Parameter Name             | Parameter Value                                                                                           | Comments |
| sapi                       | C_Sap0                                                                                                    |          |
| logic_ch                   | ch                                                                                                        |          |
| msg                        | ImmAsgn_r35(Rr, Fn, slot, tsc, ta)                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                           |          |

| <b>ASP Constraint Declaration</b> |                                                                                                            |          |
|-----------------------------------|------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | ImmAss_r36(Rr: BITSTRING; Fn: FN; ch:LOGICCH; slot:SN; tsc:TSC; ta:TA)                                     |          |
| <b>ASP Type:</b>                  | DL_UdatRqImm                                                                                               |          |
| <b>Derivation Path:</b>           |                                                                                                            |          |
| <b>Comments:</b>                  | To send an IMMEDIATE ASSIGNMENT message which assigns the channel defined by PIXIT, used in TC_26_6_13_10. |          |
| Parameter Name                    | Parameter Value                                                                                            | Comments |
| sapi                              | C_Sap0                                                                                                     |          |
| logic_ch                          | ch                                                                                                         |          |
| msg                               | ImmAsgn_r36(Rr, Fn, slot, tsc, ta)                                                                         |          |
| <b>Detailed Comments:</b>         |                                                                                                            |          |

| <b>ASP Constraint Declaration</b> |                                                                                                          |          |
|-----------------------------------|----------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | ImmAss_sdcch8(ch:LOGICCH;Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; subch:BITSTRING; arfcn:INTEGER; ta:TA) |          |
| <b>ASP Type:</b>                  | DL_UdatRqImm                                                                                             |          |
| <b>Derivation Path:</b>           |                                                                                                          |          |
| <b>Comments:</b>                  | To send an IMMEDIATE ASSIGNMENT message which assigns the SDCCH8 channel for the MS.                     |          |
| Parameter Name                    | Parameter Value                                                                                          | Comments |
| sapi                              | C_Sap0                                                                                                   |          |
| logic_ch                          | ch                                                                                                       |          |
| msg                               | ImmAsgn_sdcch8(Rr, Fn, slot, tsc, subch, arfcn, ta)                                                      |          |
| <b>Detailed Comments:</b>         |                                                                                                          |          |

| <b>ASP Constraint Declaration</b> |                                                                                  |          |
|-----------------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | ImmAssX_01(ch:LOGICCH; Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)           |          |
| <b>ASP Type:</b>                  | DL_UdatRqImm                                                                     |          |
| <b>Derivation Path:</b>           |                                                                                  |          |
| <b>Comments:</b>                  | To send an IMMEDIATE ASSIGNMENT EXTENDED message containing extended paging mode |          |
| Parameter Name                    | Parameter Value                                                                  | Comments |
| sapi                              | C_Sap0                                                                           |          |
| logic_ch                          | ch                                                                               |          |
| msg                               | ImmAsgnX_01(Rr, Fn, slot, tsc, ta)                                               |          |
| <b>Detailed Comments:</b>         |                                                                                  |          |

| <b>ASP Constraint Declaration</b> |                                                                                  |          |
|-----------------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | ImmAssX_01d(ch:LOGICCH; Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)          |          |
| <b>ASP Type:</b>                  | DL_UdatRqImm                                                                     |          |
| <b>Derivation Path:</b>           |                                                                                  |          |
| <b>Comments:</b>                  | To send an IMMEDIATE ASSIGNMENT EXTENDED message containing extended paging mode |          |
| Parameter Name                    | Parameter Value                                                                  | Comments |
| sapi                              | C_Sap0                                                                           |          |
| logic_ch                          | ch                                                                               |          |
| msg                               | ImmAsgnX_01d(Rr, Fn, slot, tsc, ta)                                              |          |
| <b>Detailed Comments:</b>         |                                                                                  |          |

| ASP Constraint Declaration |                                                                                                                                                     |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAssX_02(ch:LOGICCH; slot:SN; tsc:TSC; ta:TA)                                                                                                     |          |
| <b>ASP Type:</b>           | DL_UdatRqImmssx                                                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                                                     |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT EXTENDED message containing paging reorganisation mode and Request References that do not pertain to MS under test. |          |
| Parameter Name             | Parameter Value                                                                                                                                     | Comments |
| sapi                       | C_Sap0                                                                                                                                              |          |
| logic_ch                   | ch                                                                                                                                                  |          |
| msg                        | ImmAsgnX_02(slot, tsc, ta)                                                                                                                          |          |
| <b>Detailed Comments:</b>  | Used in 26_6_2_3_1                                                                                                                                  |          |

| ASP Constraint Declaration |                                                                                                                                                     |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAssX_02d(ch:LOGICCH; slot:SN; tsc:TSC; ta:TA)                                                                                                    |          |
| <b>ASP Type:</b>           | DL_UdatRqImmssx                                                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                                                     |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT EXTENDED message containing paging reorganisation mode and Request References that do not pertain to MS under test. |          |
| Parameter Name             | Parameter Value                                                                                                                                     | Comments |
| sapi                       | C_Sap0                                                                                                                                              |          |
| logic_ch                   | ch                                                                                                                                                  |          |
| msg                        | ImmAsgnX_02d(slot, tsc, ta)                                                                                                                         |          |
| <b>Detailed Comments:</b>  | Used in 26_6_2_3_1                                                                                                                                  |          |

| ASP Constraint Declaration |                                                                                                                                                     |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAssX_03(ch:LOGICCH; slot:SN; tsc:TSC; ta:TA)                                                                                                     |          |
| <b>ASP Type:</b>           | DL_UdatRqImmssx                                                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                                                     |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT EXTENDED message containing paging reorganisation mode and Request References that do not pertain to MS under test. |          |
| Parameter Name             | Parameter Value                                                                                                                                     | Comments |
| sapi                       | C_Sap0                                                                                                                                              |          |
| logic_ch                   | ch                                                                                                                                                  |          |
| msg                        | ImmAsgnX_03(slot, tsc, ta)                                                                                                                          |          |
| <b>Detailed Comments:</b>  | Used in 26_6_2_3_1                                                                                                                                  |          |

| ASP Constraint Declaration |                                                                                                                                                     |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAssX_03d(ch:LOGICCH; slot:SN; tsc:TSC; ta:TA)                                                                                                    |          |
| <b>ASP Type:</b>           | DL_UdatRqImmssx                                                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                                                     |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT EXTENDED message containing paging reorganisation mode and Request References that do not pertain to MS under test. |          |
| Parameter Name             | Parameter Value                                                                                                                                     | Comments |
| sapi                       | C_Sap0                                                                                                                                              |          |
| logic_ch                   | ch                                                                                                                                                  |          |
| msg                        | ImmAsgnX_03d(slot, tsc, ta)                                                                                                                         |          |
| <b>Detailed Comments:</b>  | Used in 26_6_2_3_1                                                                                                                                  |          |

| ASP Constraint Declaration |                                                                                                                                                     |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAssX_04(ch:LOGICCH; slot:SN; tsc:TSC; ta:TA)                                                                                                     |          |
| <b>ASP Type:</b>           | DL_UdatRqImmssx                                                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                                                     |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT EXTENDED message containing paging reorganisation mode and Request References that do not pertain to MS under test. |          |
| Parameter Name             | Parameter Value                                                                                                                                     | Comments |
| sapi                       | C_Sap0                                                                                                                                              |          |
| logic_ch                   | ch                                                                                                                                                  |          |
| msg                        | ImmAsgnX_04(slot, tsc, ta)                                                                                                                          |          |
| <b>Detailed Comments:</b>  | Used in 26_6_2_3_1                                                                                                                                  |          |

| ASP Constraint Declaration |                                                                                                                                                     |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAssX_04d(ch:LOGICCH; slot:SN; tsc:TSC; ta:TA)                                                                                                    |          |
| <b>ASP Type:</b>           | DL_UdatRqImmssx                                                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                                                     |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT EXTENDED message containing paging reorganisation mode and Request References that do not pertain to MS under test. |          |
| Parameter Name             | Parameter Value                                                                                                                                     | Comments |
| sapi                       | C_Sap0                                                                                                                                              |          |
| logic_ch                   | ch                                                                                                                                                  |          |
| msg                        | ImmAsgnX_04d(slot, tsc, ta)                                                                                                                         |          |
| <b>Detailed Comments:</b>  | Used in 26_6_2_3_1                                                                                                                                  |          |

| ASP Constraint Declaration |                                                                                                   |          |
|----------------------------|---------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAssX_r01(ch:LOGICCH;Rr: BITSTRING; Fn: FN; Rr_9: BITSTRING; Fn_9: FN; slot:SN; tsc:TSC; ta:TA) |          |
| <b>ASP Type:</b>           | DL_UdatRqImmssx                                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                                   |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT EXTENDED message which assigns the SDCCH/4 channel for the MS     |          |
| Parameter Name             | Parameter Value                                                                                   | Comments |
| sapi                       | C_Sap0                                                                                            |          |
| logic_ch                   | ch                                                                                                |          |
| msg                        | ImmAsgnX_r01(Rr, Fn, Rr_9, Fn_9, slot, tsc, ta)                                                   |          |
| <b>Detailed Comments:</b>  | The request reference (Rr, Fn) is used for the MS1, whilst (Rr_9, Fn_9) for MS2.                  |          |

| ASP Constraint Declaration |                                                                                                  |          |
|----------------------------|--------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAssX_r02(ch:LOGICCH;Rr: BITSTRING; Fn: FN; Rr_9: BITSTRING; Fn_9: FN;slot:SN; tsc:TSC; ta:TA) |          |
| <b>ASP Type:</b>           | DL_UdatRqImmssx                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                                  |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT EXTENDED message which assigns the SDCCH/8 channel for the MS    |          |
| Parameter Name             | Parameter Value                                                                                  | Comments |
| sapi                       | C_Sap0                                                                                           |          |
| logic_ch                   | ch                                                                                               |          |
| msg                        | ImmAsgnX_r02(Rr, Fn, Rr_9, Fn_9, slot, tsc, ta)                                                  |          |
| <b>Detailed Comments:</b>  | The request reference (Rr, Fn) is used for the MS1, whilst (Rr_9, Fn_9) for MS2.                 |          |

| ASP Constraint Declaration |                                                                                                                  |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAssX_r03(ch:LOGICCH;Rr: BITSTRING; Fn: FN; Rr_9: BITSTRING; Fn_9: FN; slot:SN; tsc:TSC; ta:TA)                |          |
| <b>ASP Type:</b>           | DL_UdatRqImmssx                                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                                                  |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT EXTENDED message which assigns the SDCCH/4 channel for the MS in RR test of DCS. |          |
| Parameter Name             | Parameter Value                                                                                                  | Comments |
| sapi                       | C_Sap0                                                                                                           |          |
| logic_ch                   | ch                                                                                                               |          |
| msg                        | ImmAsgnX_r03(Rr, Fn, Rr_9, Fn_9, slot, tsc, ta)                                                                  |          |
| <b>Detailed Comments:</b>  | The request reference (Rr, Fn) is used for the MS1, whilst (Rr_9, Fn_9) for MS2.                                 |          |

| ASP Constraint Declaration |                                                                                                               |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAssRej_01(ch:LOGICCH;Rr: BITSTRING; Fn: FN)                                                                |          |
| <b>ASP Type:</b>           | DL_UdatRqImmssRej                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                               |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT REJECT message containing normal paging mode and wait indication = 0 seconds. |          |
| Parameter Name             | Parameter Value                                                                                               | Comments |
| sapi                       | C_Sap0                                                                                                        |          |
| logic_ch                   | ch                                                                                                            |          |
| msg                        | ImmAsgnRej_01(Rr, Fn)                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                                               |          |

| ASP Constraint Declaration |                                                                                                                       |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAssRej_02(ch:LOGICCH;Rr: BITSTRING; Fn: FN)                                                                        |          |
| <b>ASP Type:</b>           | DL_UdatRqImmssRej                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                       |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT REJECT message in which only the third request reference addresses the MS under test. |          |
| Parameter Name             | Parameter Value                                                                                                       | Comments |
| sapi                       | C_Sap0                                                                                                                |          |
| logic_ch                   | ch                                                                                                                    |          |
| msg                        | ImmAsgnRej_02(Rr, Fn)                                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                                       |          |

| ASP Constraint Declaration |                                                                                                               |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAssRej_03(ch:LOGICCH; Rr: BITSTRING; Fn: FN)                                                               |          |
| <b>ASP Type:</b>           | DL_UdatRqImmssRej                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                               |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT REJECT message containing normal paging mode and wait indication = 5 seconds. |          |
| Parameter Name             | Parameter Value                                                                                               | Comments |
| sapi                       | C_Sap0                                                                                                        |          |
| logic_ch                   | ch                                                                                                            |          |
| msg                        | ImmAsgnRej_03(Rr, Fn)                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                                               |          |

| ASP Constraint Declaration |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAssRej_04(ch:LOGICCH; Rr: BITSTRING; Fn: FN)                               |          |
| <b>ASP Type:</b>           | DL_UdatRqImmAssRej                                                            |          |
| <b>Derivation Path:</b>    |                                                                               |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT REJECT message containing normal paging mode. |          |
| Parameter Name             | Parameter Value                                                               | Comments |
| sapi                       | C_Sap0                                                                        |          |
| logic_ch                   | ch                                                                            |          |
| msg                        | ImmAsgnRej_01(Rr, Fn)                                                         |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| ASP Constraint Declaration |                                                                                                         |          |
|----------------------------|---------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAssRej_05(ch:LOGICCH;Rr: BITSTRING; Fn: FN)                                                          |          |
| <b>ASP Type:</b>           | DL_UdatRqImmAssRej                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                                         |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT REJECT message containing normal paging mode and wait time = 6 seconds. |          |
| Parameter Name             | Parameter Value                                                                                         | Comments |
| sapi                       | C_Sap0                                                                                                  |          |
| logic_ch                   | ch                                                                                                      |          |
| msg                        | ImmAsgnRej_04(Rr, Fn)                                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                                         |          |

| ASP Constraint Declaration                                                                                                                               |                                                                               |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>                                                                                                                                  | ImmAssRej_r01(ch:LOGICCH;rqr1, rqr2, rqr3, rqr4: RQR; t3122: INTEGER)         |          |
| <b>ASP Type:</b>                                                                                                                                         | DL_UdatRqImmAssRej                                                            |          |
| <b>Derivation Path:</b>                                                                                                                                  |                                                                               |          |
| <b>Comments:</b>                                                                                                                                         | To send an IMMEDIATE ASSIGNMENT REJECT message containing normal paging mode. |          |
| Parameter Name                                                                                                                                           | Parameter Value                                                               | Comments |
| sapi                                                                                                                                                     | C_Sap0                                                                        |          |
| logic_ch                                                                                                                                                 | ch                                                                            |          |
| msg                                                                                                                                                      | ImmAsgnRej_r01(rqr1, rqr2, rqr3, rqr4, t3122)                                 |          |
| <b>Detailed Comments:</b> Only the third request reference addresses the MS under test. The formal parameter t3122 indicates the waiting time for T3122. |                                                                               |          |

| ASP Constraint Declaration |                                                                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAssRej_r02(ch:LOGICCH; Rr: BITSTRING; Fn: FN)                                                                                   |          |
| <b>ASP Type:</b>           | DL_UdatRqImmAssRej                                                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                                                                    |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT REJECT message for the RR tests. The 1st request reference in the msg addresses the MS under test. |          |
| Parameter Name             | Parameter Value                                                                                                                    | Comments |
| sapi                       | C_Sap0                                                                                                                             |          |
| logic_ch                   | ch                                                                                                                                 |          |
| msg                        | ImmAsgnRej_r02(Rr, Fn)                                                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                                                                    |          |

| ASP Constraint Declaration |                                                                                                                                                  |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAssRej_r03(ch:LOGICCH; Rr: BITSTRING; Fn: FN)                                                                                                 |          |
| <b>ASP Type:</b>           | DL_UdatRqImmRej                                                                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                                                                                  |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT REJECT message of the cell B for the RR tests. The 1st request reference in the msg addresses the MS under test. |          |
| Parameter Name             | Parameter Value                                                                                                                                  | Comments |
| sapi                       | C_Sap0                                                                                                                                           |          |
| logic_ch                   | ch                                                                                                                                               |          |
| msg                        | ImmAsgnRej_r02(Rr, Fn)                                                                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                  |          |

| ASP Constraint Declaration                         |                                                                                                                                                                                    |          |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>                            | ImmAssRej_r04(ch:LOGICCH)                                                                                                                                                          |          |
| <b>ASP Type:</b>                                   | DL_UdatRqImmRej                                                                                                                                                                    |          |
| <b>Derivation Path:</b>                            |                                                                                                                                                                                    |          |
| <b>Comments:</b>                                   | To send an IMMEDIATE ASSIGNMENT REJECT message containing paging mode = "extended paging" and wait indication = 0 seconds. The Request References do not pertain to MS under test. |          |
| Parameter Name                                     | Parameter Value                                                                                                                                                                    | Comments |
| sapi                                               | C_Sap0                                                                                                                                                                             |          |
| logic_ch                                           | ch                                                                                                                                                                                 |          |
| msg                                                | ImmAsgnRej_r04                                                                                                                                                                     |          |
| <b>Detailed Comments:</b> Only used in TC_26_6_2_4 |                                                                                                                                                                                    |          |

| ASP Constraint Declaration |                                                                             |          |
|----------------------------|-----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAssRej_inv_01(ch:LOGICCH;Rr: BITSTRING; Fn: FN)                          |          |
| <b>ASP Type:</b>           | DL_UdatRqImmRej                                                             |          |
| <b>Derivation Path:</b>    |                                                                             |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT REJECT message with unknown skip indicator. |          |
| Parameter Name             | Parameter Value                                                             | Comments |
| sapi                       | C_Sap0                                                                      |          |
| logic_ch                   | ch                                                                          |          |
| msg                        | ImmAsgnRej_inv_01(Rr, Fn)                                                   |          |
| <b>Detailed Comments:</b>  |                                                                             |          |

| ASP Constraint Declaration |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAssRej_inv_02(ch:LOGICCH;Rr: BITSTRING; Fn: FN)                             |          |
| <b>ASP Type:</b>           | DL_UdatRqImmRej                                                                |          |
| <b>Derivation Path:</b>    |                                                                                |          |
| <b>Comments:</b>           | To send an IMMEDIATE ASSIGNMENT REJECT message containing arbitrary spare bits |          |
| Parameter Name             | Parameter Value                                                                | Comments |
| sapi                       | C_Sap0                                                                         |          |
| logic_ch                   | ch                                                                             |          |
| msg                        | ImmAsgnRej_inv_02(Rr, Fn)                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                |          |



| ASP Constraint Declaration |                                                                                                                   |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImsiDet_01                                                                                                        |          |
| <b>ASP Type:</b>           | DL_EstInImsidIn                                                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                                                   |          |
| <b>Comments:</b>           | To match a received IMSI DETACH INDICATION message matching any MS classmark1 value and any mobile identity value |          |
| Parameter Name             | Parameter Value                                                                                                   | Comments |
| sapi                       | C_Sap0                                                                                                            |          |
| logic_ch                   | ?                                                                                                                 |          |
| establish_mode             | ?                                                                                                                 |          |
| msg                        | ImsiDetach_01                                                                                                     |          |
| fn                         | ?                                                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                                   |          |

| ASP Constraint Declaration |                                                                                                                   |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImsiDet_30(par:MI)                                                                                                |          |
| <b>ASP Type:</b>           | DL_EstInImsidIn                                                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                                                   |          |
| <b>Comments:</b>           | To match a received IMSI DETACH INDICATION message matching any MS classmark1 value and any mobile identity value |          |
| Parameter Name             | Parameter Value                                                                                                   | Comments |
| sapi                       | C_Sap0                                                                                                            |          |
| logic_ch                   | ?                                                                                                                 |          |
| establish_mode             | ?                                                                                                                 |          |
| msg                        | ImsiDetach_30(par)                                                                                                |          |
| fn                         | ?                                                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                                   |          |

| ASP Constraint Declaration |                                                                                               |          |
|----------------------------|-----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocAcp(ch:LOGICCH; mnc, lac:OCTETSTRING)                                                      |          |
| <b>ASP Type:</b>           | DL_DatRqLupAcp                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                               |          |
| <b>Comments:</b>           | To send a LOCATION UPDATING ACCEPT message with a new mobile identity TMSI and location area. |          |
| Parameter Name             | Parameter Value                                                                               | Comments |
| sapi                       | C_Sap0                                                                                        |          |
| logic_ch                   | ch                                                                                            |          |
| msg                        | LocUpdtAcp(mnc, lac)                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                               |          |

| ASP Constraint Declaration |                                                                                                      |          |
|----------------------------|------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocAcp_01(ch: LOGICCH)                                                                               |          |
| <b>ASP Type:</b>           | DL_DatRqLupAcp                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                                      |          |
| <b>Comments:</b>           | To send a LOCATION UPDATING ACCEPT message with a new mobile identity TMSI and location area Cell A. |          |
| Parameter Name             | Parameter Value                                                                                      | Comments |
| sapi                       | C_Sap0                                                                                               |          |
| logic_ch                   | ch                                                                                                   |          |
| msg                        | LocUpdtAcp_01                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                      |          |

| ASP Constraint Declaration |                                                                     |          |
|----------------------------|---------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocAcp_02(ch: LOGICCH)                                              |          |
| <b>ASP Type:</b>           | DL_DatRqLupAcp                                                      |          |
| <b>Derivation Path:</b>    | LocAcp_01.                                                          |          |
| <b>Comments:</b>           | To send a LOCATION UPDATING ACCEPT message without mobile identity. |          |
| Parameter Name             | Parameter Value                                                     | Comments |
| logic_ch                   | ch                                                                  |          |
| msg                        | LocUpdtAcp_02                                                       |          |
| <b>Detailed Comments:</b>  |                                                                     |          |

| ASP Constraint Declaration |                                                                                                |          |
|----------------------------|------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocAcp_03(ch: LOGICCH)                                                                         |          |
| <b>ASP Type:</b>           | DL_DatRqLupAcp                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                                |          |
| <b>Comments:</b>           | To send a LOCATION UPDATING ACCEPT message with mobile identity TMSI and location area Cell B. |          |
| Parameter Name             | Parameter Value                                                                                | Comments |
| sapi                       | C_Sap0                                                                                         |          |
| logic_ch                   | ch                                                                                             |          |
| msg                        | LocUpdtAcp_03                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                |          |

| ASP Constraint Declaration |                                                                                               |          |
|----------------------------|-----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocAcp_30(newmi: MI; ch: LOGICCH; lac:OCTETSTRING)                                            |          |
| <b>ASP Type:</b>           | DL_DatRqLupAcp                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                               |          |
| <b>Comments:</b>           | To send a LOCATION UPDATING ACCEPT message with a new mobile identity TMSI and location area. |          |
| Parameter Name             | Parameter Value                                                                               | Comments |
| sapi                       | C_Sap0                                                                                        |          |
| logic_ch                   | ch                                                                                            |          |
| msg                        | LocUpdtAcp_30(newmi, lac)                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                               |          |

| ASP Constraint Declaration |                                                                                               |          |
|----------------------------|-----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocAcp_31(ch: LOGICCH; lac:OCTETSTRING)                                                       |          |
| <b>ASP Type:</b>           | DL_DatRqLupAcp                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                               |          |
| <b>Comments:</b>           | To send a LOCATION UPDATING ACCEPT message with a new mobile identity TMSI and location area. |          |
| Parameter Name             | Parameter Value                                                                               | Comments |
| sapi                       | C_Sap0                                                                                        |          |
| logic_ch                   | ch                                                                                            |          |
| msg                        | LocUpdtAcp_31(lac)                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                               |          |

| ASP Constraint Declaration |                                                                         |          |
|----------------------------|-------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocAcp_32(ch: LOGICCH; lac:OCTETSTRING)                                 |          |
| <b>ASP Type:</b>           | DL_DatRqLupAcp                                                          |          |
| <b>Derivation Path:</b>    | LocAcp_31.                                                              |          |
| <b>Comments:</b>           | To send a LOCATION UPDATING ACCEPT message without any mobile identity. |          |
| Parameter Name             | Parameter Value                                                         | Comments |
| logic_ch                   | ch                                                                      |          |
| msg                        | LocUpdtAcp_32(lac)                                                      |          |
| <b>Detailed Comments:</b>  |                                                                         |          |

| ASP Constraint Declaration |                                                                                                |          |
|----------------------------|------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocAcp_33(ch: LOGICCH; lac:OCTETSTRING)                                                        |          |
| <b>ASP Type:</b>           | DL_DatRqLupAcp                                                                                 |          |
| <b>Derivation Path:</b>    | LocAcp_31.                                                                                     |          |
| <b>Comments:</b>           | To send a LOCATION UPDATING ACCEPT message without any mobile identity. FOR bit is set to one. |          |
| Parameter Name             | Parameter Value                                                                                | Comments |
| logic_ch                   | ch                                                                                             |          |
| msg                        | LocUpdtAcp_33(lac)                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                                |          |

| ASP Constraint Declaration |                                                                                               |          |
|----------------------------|-----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocAcp_34(ch: LOGICCH; lac:OCTETSTRING)                                                       |          |
| <b>ASP Type:</b>           | DL_DatRqLupAcp                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                               |          |
| <b>Comments:</b>           | To send a LOCATION UPDATING ACCEPT message with a new mobile identity TMSI and location area. |          |
| Parameter Name             | Parameter Value                                                                               | Comments |
| sapi                       | C_Sap0                                                                                        |          |
| logic_ch                   | ch                                                                                            |          |
| msg                        | LocUpdtAcp_34(lac)                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                               |          |

| ASP Constraint Declaration |                                                                                               |          |
|----------------------------|-----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocAcp_35(ch: LOGICCH; lac:OCTETSTRING)                                                       |          |
| <b>ASP Type:</b>           | DL_DatRqLupAcp                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                               |          |
| <b>Comments:</b>           | To send a LOCATION UPDATING ACCEPT message with a new mobile identity TMSI and location area. |          |
| Parameter Name             | Parameter Value                                                                               | Comments |
| sapi                       | C_Sap0                                                                                        |          |
| logic_ch                   | ch                                                                                            |          |
| msg                        | LocUpdtAcp_35(lac)                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                               |          |

| ASP Constraint Declaration |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocAcp_inv_01(ch: LOGICCH)                                                    |          |
| <b>ASP Type:</b>           | DL_DatRqLupAcpErr                                                             |          |
| <b>Derivation Path:</b>    |                                                                               |          |
| <b>Comments:</b>           | To send a LOCATION UPDATING ACCEPT message with duplicated mobile identities. |          |
| Parameter Name             | Parameter Value                                                               | Comments |
| sapi                       | C_Sap0                                                                        |          |
| logic_ch                   | ch                                                                            |          |
| msg                        | LocUpdtAcp_inv_01                                                             |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| ASP Constraint Declaration |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocAcp_inv_02(ch: LOGICCH)                                                       |          |
| <b>ASP Type:</b>           | DL_DatRqLupAcp                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                  |          |
| <b>Comments:</b>           | To send a LOCATION UPDATING ACCEPT message containing comprehension required IE. |          |
| Parameter Name             | Parameter Value                                                                  | Comments |
| sapi                       | C_Sap0                                                                           |          |
| logic_ch                   | ch                                                                               |          |
| msg                        | LocUpdtAcp_inv_03                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |

| ASP Constraint Declaration |                                                                    |          |
|----------------------------|--------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocAcp_inv_03(ch:LOGICCH)                                          |          |
| <b>ASP Type:</b>           | DL_DatRqLupAcpErr                                                  |          |
| <b>Derivation Path:</b>    | LocAcp_inv_01.                                                     |          |
| <b>Comments:</b>           | To send a LOCATION UPDATING ACCEPT message containing unknown IEI. |          |
| Parameter Name             | Parameter Value                                                    | Comments |
| logic_ch                   | ch                                                                 |          |
| msg                        | LocUpdtAcp_inv_05                                                  |          |
| <b>Detailed Comments:</b>  |                                                                    |          |

| ASP Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocAcp_inv_04(ch:LOGICCH)                                         |          |
| <b>ASP Type:</b>           | DL_DatRqLupAcpErr                                                 |          |
| <b>Derivation Path:</b>    | LocAcp_inv_01.                                                    |          |
| <b>Comments:</b>           | To send a LOCATION UPDATING ACCEPT message containing unknown IEI |          |
| Parameter Name             | Parameter Value                                                   | Comments |
| logic_ch                   | ch                                                                |          |
| msg                        | LocUpdtAcp_inv_04                                                 |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| ASP Constraint Declaration |                                                                                                        |          |
|----------------------------|--------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUp_01                                                                                               |          |
| <b>ASP Type:</b>           | DL_EstInLupRq                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                        |          |
| <b>Comments:</b>           | To match a received LOCATION UPDATING REQUEST message containing location updating type = IMSI attach. |          |
| Parameter Name             | Parameter Value                                                                                        | Comments |
| sapi                       | C_Sap0                                                                                                 |          |
| logic_ch                   | ?                                                                                                      |          |
| establish_mode             | ?                                                                                                      |          |
| msg                        | LocUpdtReq_01                                                                                          |          |
| fn                         | ?                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                        |          |

| ASP Constraint Declaration |                                                                                                                     |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUp_02                                                                                                            |          |
| <b>ASP Type:</b>           | DL_EstInLupRq                                                                                                       |          |
| <b>Derivation Path:</b>    | LocUp_01.                                                                                                           |          |
| <b>Comments:</b>           | To match a received LOCATION UPDATING REQUEST message containing location updating type = normal location updating. |          |
| Parameter Name             | Parameter Value                                                                                                     | Comments |
| msg                        | LocUpdtReq_02                                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                                     |          |

| ASP Constraint Declaration |                 |          |
|----------------------------|-----------------|----------|
| <b>Constraint Name:</b>    | LocUp_03        |          |
| <b>ASP Type:</b>           | DL_EstInLupRq   |          |
| <b>Derivation Path:</b>    | LocUp_01.       |          |
| <b>Comments:</b>           |                 |          |
| Parameter Name             | Parameter Value | Comments |
| msg                        | LocUpdtReq_03   |          |
| <b>Detailed Comments:</b>  |                 |          |

| ASP Constraint Declaration |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUp_04(ch:LOGICCH)                                            |          |
| <b>ASP Type:</b>           | DL_EstInLupRq                                                   |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | To receive a LOCATION UPDATING REQUEST message containing TMSI. |          |
| Parameter Name             | Parameter Value                                                 | Comments |
| sapi                       | C_Sap0                                                          |          |
| logic_ch                   | ch                                                              |          |
| establish_mode             | ?                                                               |          |
| msg                        | LocUpdtReq_04                                                   |          |
| fn                         | ?                                                               |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| ASP Constraint Declaration |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUp_05                                                        |          |
| <b>ASP Type:</b>           | DL_EstInLupRq                                                   |          |
| <b>Derivation Path:</b>    | LocUp_01.                                                       |          |
| <b>Comments:</b>           | To receive a LOCATION UPDATING REQUEST message containing TMSI. |          |
| Parameter Name             | Parameter Value                                                 | Comments |
| msg                        | LocUpdtReq_04                                                   |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| ASP Constraint Declaration |                                                          |          |
|----------------------------|----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUp_06                                                 |          |
| <b>ASP Type:</b>           | DL_EstInLupRq                                            |          |
| <b>Derivation Path:</b>    |                                                          |          |
| <b>Comments:</b>           | To match any received LOCATION UPDATING REQUEST message. |          |
| Parameter Name             | Parameter Value                                          | Comments |
| sapi                       | C_Sap0                                                   |          |
| logic_ch                   | ?                                                        |          |
| establish_mode             | ?                                                        |          |
| msg                        | LocUpdtReq_05                                            |          |
| fn                         | ?                                                        |          |
| <b>Detailed Comments:</b>  |                                                          |          |

| ASP Constraint Declaration |                                                                            |          |
|----------------------------|----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUp_07(ch: LOGICCH)                                                      |          |
| <b>ASP Type:</b>           | DL_EstInLupRq                                                              |          |
| <b>Derivation Path:</b>    |                                                                            |          |
| <b>Comments:</b>           | To match any received LOCATION UPDATING REQUEST message on channel TCV_ch. |          |
| Parameter Name             | Parameter Value                                                            | Comments |
| sapi                       | C_Sap0                                                                     |          |
| logic_ch                   | ch                                                                         |          |
| establish_mode             | ?                                                                          |          |
| msg                        | LocUpdtReq_05                                                              |          |
| fn                         | ?                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                            |          |

| ASP Constraint Declaration |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUp_08(ch:LOGICCH)                                            |          |
| <b>ASP Type:</b>           | DL_EstInLupRq                                                   |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | To receive a LOCATION UPDATING REQUEST message containing IMSI. |          |
| Parameter Name             | Parameter Value                                                 | Comments |
| sapi                       | C_Sap0                                                          |          |
| logic_ch                   | ch                                                              |          |
| establish_mode             | ?                                                               |          |
| msg                        | LocUpdtReq_06                                                   |          |
| fn                         | ?                                                               |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| ASP Constraint Declaration |                                                                                                        |          |
|----------------------------|--------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUp_30(mi:MI; ch: LOGICCH; lac:OCTETSTRING; cksn: BITSTRING)                                         |          |
| <b>ASP Type:</b>           | DL_EstInLupRq                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                        |          |
| <b>Comments:</b>           | To match a received LOCATION UPDATING REQUEST message containing location updating type = normal type. |          |
| Parameter Name             | Parameter Value                                                                                        | Comments |
| sapi                       | C_Sap0                                                                                                 |          |
| logic_ch                   | ch                                                                                                     |          |
| establish_mode             | ?                                                                                                      |          |
| msg                        | LocUpdtReq_30(mi, lac, cksn)                                                                           |          |
| fn                         | ?                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                        |          |

| ASP Constraint Declaration |                                                                                                        |          |
|----------------------------|--------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUp_31(mi:MI; ch: LOGICCH; lac:OCTETSTRING; cksn: BITSTRING)                                         |          |
| <b>ASP Type:</b>           | DL_EstInLupRq                                                                                          |          |
| <b>Derivation Path:</b>    | LocUp_30.                                                                                              |          |
| <b>Comments:</b>           | To match a received LOCATION UPDATING REQUEST message containing location updating type = normal type. |          |
| Parameter Name             | Parameter Value                                                                                        | Comments |
| logic_ch                   | ch                                                                                                     |          |
| msg                        | LocUpdtReq_31(mi, lac, cksn)                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                                        |          |

| ASP Constraint Declaration |                                                                                                          |          |
|----------------------------|----------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUp_32(mi:MI; ch: LOGICCH; lac:OCTETSTRING; cksn: BITSTRING)                                           |          |
| <b>ASP Type:</b>           | DL_EstInLupRq                                                                                            |          |
| <b>Derivation Path:</b>    | LocUp_30.                                                                                                |          |
| <b>Comments:</b>           | To match a received LOCATION UPDATING REQUEST message containing location updating type = periodic type. |          |
| Parameter Name             | Parameter Value                                                                                          | Comments |
| logic_ch                   | ch                                                                                                       |          |
| msg                        | LocUpdtReq_32(mi, lac, cksn)                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                                          |          |

| ASP Constraint Declaration |                                                                                              |          |
|----------------------------|----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUp_33(mi:MI; ch: LOGICCH; lac:OCTETSTRING; cksn: BITSTRING)                               |          |
| <b>ASP Type:</b>           | DL_EstInLupRq                                                                                |          |
| <b>Derivation Path:</b>    | LocUp_30.                                                                                    |          |
| <b>Comments:</b>           | To match a received LOCATION UPDATING REQUEST message containing any location updating type. |          |
| Parameter Name             | Parameter Value                                                                              | Comments |
| logic_ch                   | ch                                                                                           |          |
| msg                        | LocUpdtReq_33(mi, lac, cksn)                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                              |          |

| ASP Constraint Declaration |                                                                                                        |          |
|----------------------------|--------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUp_34(mi:MI; ch: LOGICCH; lac:OCTETSTRING; cksn: BITSTRING)                                         |          |
| <b>ASP Type:</b>           | DL_EstInLupRq                                                                                          |          |
| <b>Derivation Path:</b>    | LocUp_30.                                                                                              |          |
| <b>Comments:</b>           | To match a received LOCATION UPDATING REQUEST message containing location updating type = IMSI attach. |          |
| Parameter Name             | Parameter Value                                                                                        | Comments |
| logic_ch                   | ch                                                                                                     |          |
| msg                        | LocUpdtReq_34(mi, lac, cksn)                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                                        |          |

| ASP Constraint Declaration |                                                                                                                      |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUp_35(ch: LOGICCH)                                                                                                |          |
| <b>ASP Type:</b>           | DL_EstInLupRq                                                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                                                      |          |
| <b>Comments:</b>           | To match a received LOCATION UPDATING REQUEST message containing any location updating type. For bit is set to zero. |          |
| Parameter Name             | Parameter Value                                                                                                      | Comments |
| sapi                       | C_Sap0                                                                                                               |          |
| logic_ch                   | ch                                                                                                                   |          |
| establish_mode             | ?                                                                                                                    |          |
| msg                        | LocUpdtReq_35                                                                                                        |          |
| fn                         | ?                                                                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                                                      |          |

| ASP Constraint Declaration |                                                                                                                      |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUp_36                                                                                                             |          |
| <b>ASP Type:</b>           | DL_EstInLupRq                                                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                                                      |          |
| <b>Comments:</b>           | To match a received LOCATION UPDATING REQUEST message containing any location updating type. For bit is set to zero. |          |
| Parameter Name             | Parameter Value                                                                                                      | Comments |
| sapi                       | C_Sap0                                                                                                               |          |
| logic_ch                   | ?                                                                                                                    |          |
| establish_mode             | ?                                                                                                                    |          |
| msg                        | LocUpdtReq_35                                                                                                        |          |
| fn                         | ?                                                                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                                                      |          |

| ASP Constraint Declaration |                                                                                                                  |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocRej_01(par:REJCAU; ch: LOGICCH)                                                                               |          |
| <b>ASP Type:</b>           | DL_DatRqLupRej                                                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                                                  |          |
| <b>Comments:</b>           | To send a LOCATION UPDATING REJECT message containing the reject cause IMSI unknown in HLR.<br>Used var's:<br>ch |          |
| Parameter Name             | Parameter Value                                                                                                  | Comments |
| sapi                       | C_Sap0                                                                                                           |          |
| logic_ch                   | ch                                                                                                               |          |
| msg                        | LocUpdtRej_01(par)                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                  |          |

| ASP Constraint Declaration |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MDLRelReq_01(ch :LOGICCH)                                       |          |
| <b>ASP Type:</b>           | MDL_RelRq                                                       |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | Layer 2 indication of the layer 2 connection has been released. |          |
| Parameter Name             | Parameter Value                                                 | Comments |
| sapi                       | C_Sap0                                                          |          |
| logic_ch                   | ch                                                              |          |
| release_mode               | C_LocEndRel                                                     |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| ASP Constraint Declaration |                                       |          |
|----------------------------|---------------------------------------|----------|
| <b>Constraint Name:</b>    | ModifySnd(ch:LOGICCH; msg:MODIFY_PDU) |          |
| <b>ASP Type:</b>           | DL_DatRqModify                        |          |
| <b>Derivation Path:</b>    |                                       |          |
| <b>Comments:</b>           |                                       |          |
| Parameter Name             | Parameter Value                       | Comments |
| sapi                       | C_Sap0                                |          |
| logic_ch                   | ch                                    |          |
| msg                        | msg                                   |          |
| <b>Detailed Comments:</b>  |                                       |          |



| ASP Constraint Declaration |                           |          |
|----------------------------|---------------------------|----------|
| <b>Constraint Name:</b>    | ModifyRcv(msg:MODIFY_PDU) |          |
| <b>ASP Type:</b>           | DL_DatInModify            |          |
| <b>Derivation Path:</b>    |                           |          |
| <b>Comments:</b>           |                           |          |
| Parameter Name             | Parameter Value           | Comments |
| sapi                       | C_Sap0                    |          |
| logic_ch                   | ?                         |          |
| msg                        | msg                       |          |
| fn                         | ?                         |          |
| <b>Detailed Comments:</b>  |                           |          |

| ASP Constraint Declaration |                                              |          |
|----------------------------|----------------------------------------------|----------|
| <b>Constraint Name:</b>    | ModifyCmpSnd(ch:LOGICCH; msg:MODIFY_COM_PDU) |          |
| <b>ASP Type:</b>           | DL_DatRqModifyCom                            |          |
| <b>Derivation Path:</b>    |                                              |          |
| <b>Comments:</b>           | n -> ms                                      |          |
| Parameter Name             | Parameter Value                              | Comments |
| sapi                       | C_Sap0                                       |          |
| logic_ch                   | ch                                           |          |
| msg                        | msg                                          |          |
| <b>Detailed Comments:</b>  |                                              |          |

| ASP Constraint Declaration |                                                |          |
|----------------------------|------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ModifyRejRqSnd(ch:LOGICCH; msg:MODIFY_REJ_PDU) |          |
| <b>ASP Type:</b>           | DL_DatRqModifyRej                              |          |
| <b>Derivation Path:</b>    |                                                |          |
| <b>Comments:</b>           |                                                |          |
| Parameter Name             | Parameter Value                                | Comments |
| sapi                       | C_Sap0                                         |          |
| logic_ch                   | ch                                             |          |
| msg                        | msg                                            |          |
| <b>Detailed Comments:</b>  |                                                |          |

| ASP Constraint Declaration |                                              |          |
|----------------------------|----------------------------------------------|----------|
| <b>Constraint Name:</b>    | ModifyRejRcv(ch:LOGICCH; msg:MODIFY_REJ_PDU) |          |
| <b>ASP Type:</b>           | DL_DatInModifyRej                            |          |
| <b>Derivation Path:</b>    |                                              |          |
| <b>Comments:</b>           |                                              |          |
| Parameter Name             | Parameter Value                              | Comments |
| sapi                       | C_Sap0                                       |          |
| logic_ch                   | ch                                           |          |
| msg                        | msg                                          |          |
| fn                         | ?                                            |          |
| <b>Detailed Comments:</b>  |                                              |          |

| ASP Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MMSt_01                                                           |          |
| <b>ASP Type:</b>           | DL_DatInMmst                                                      |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | To receive a MM STATUS message containing reject cause value #97. |          |
| Parameter Name             | Parameter Value                                                   | Comments |
| sapi                       | C_Sap0                                                            |          |
| logic_ch                   | ?                                                                 |          |
| msg                        | MMstatus_01                                                       |          |
| fn                         | ?                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| ASP Constraint Declaration |                                                       |          |
|----------------------------|-------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MMSt_02                                               |          |
| <b>ASP Type:</b>           | DL_DatInMmst                                          |          |
| <b>Derivation Path:</b>    |                                                       |          |
| <b>Comments:</b>           | To receive a MM STATUS message with cause value = #96 |          |
| Parameter Name             | Parameter Value                                       | Comments |
| sapi                       | C_Sap0                                                |          |
| logic_ch                   | ?                                                     |          |
| msg                        | MMstatus_02                                           |          |
| fn                         | ?                                                     |          |
| <b>Detailed Comments:</b>  |                                                       |          |

| ASP Constraint Declaration |                                                              |          |
|----------------------------|--------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MMSt_03(ch:LOGICCH)                                          |          |
| <b>ASP Type:</b>           | DL_DatInMmst                                                 |          |
| <b>Derivation Path:</b>    |                                                              |          |
| <b>Comments:</b>           | To match a received MM STATUS message with cause value = #98 |          |
| Parameter Name             | Parameter Value                                              | Comments |
| sapi                       | C_Sap0                                                       |          |
| logic_ch                   | ch                                                           |          |
| msg                        | MMstatus_03                                                  |          |
| fn                         | ?                                                            |          |
| <b>Detailed Comments:</b>  |                                                              |          |

| ASP Constraint Declaration |                                                              |          |
|----------------------------|--------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrRept_01                                                   |          |
| <b>ASP Type:</b>           | DL_UdatInMsrRpt                                              |          |
| <b>Derivation Path:</b>    |                                                              |          |
| <b>Comments:</b>           | To receive a measurement report without measurement results. |          |
| Parameter Name             | Parameter Value                                              | Comments |
| sapi                       | C_Sap0                                                       |          |
| logic_ch                   | ?                                                            |          |
| msg                        | MsrReport_01                                                 |          |
| fn                         | ?                                                            |          |
| <b>Detailed Comments:</b>  |                                                              |          |

| ASP Constraint Declaration |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrRept_02                         |          |
| <b>ASP Type:</b>           | DL_UdatInMsrRpt                    |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           | To receive any measurement report. |          |
| Parameter Name             | Parameter Value                    | Comments |
| sapi                       | C_Sap0                             |          |
| logic_ch                   | ?                                  |          |
| msg                        | MsrReport_02                       |          |
| fn                         | ?                                  |          |
| <b>Detailed Comments:</b>  |                                    |          |

| ASP Constraint Declaration |                                                                  |          |
|----------------------------|------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrRept_03                                                       |          |
| <b>ASP Type:</b>           | DL_UdatInMsrRpt                                                  |          |
| <b>Derivation Path:</b>    | MsrRept_01.                                                      |          |
| <b>Comments:</b>           | To receive a measurement report containing 6 strongest carriers. |          |
| Parameter Name             | Parameter Value                                                  | Comments |
| msg                        | MsrReport_03                                                     |          |
| <b>Detailed Comments:</b>  |                                                                  |          |

| ASP Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrRept_03e(par_measres: MSRR)                                            |          |
| <b>ASP Type:</b>           | DL_UdatInMsrRpt                                                           |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | To receive a measurement report containing 6 strongest carriers for EGSM. |          |
| Parameter Name             | Parameter Value                                                           | Comments |
| sapi                       | C_Sap0                                                                    |          |
| logic_ch                   | ?                                                                         |          |
| msg                        | MsrReport_03e(par_measres)                                                |          |
| fn                         | ?                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| ASP Constraint Declaration |                                                                  |          |
|----------------------------|------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrRept_04                                                       |          |
| <b>ASP Type:</b>           | DL_UdatInMsrRpt                                                  |          |
| <b>Derivation Path:</b>    | MsrRept_01.                                                      |          |
| <b>Comments:</b>           | To receive a measurement report containing 4 strongest carriers. |          |
| Parameter Name             | Parameter Value                                                  | Comments |
| msg                        | MsrReport_04                                                     |          |
| <b>Detailed Comments:</b>  |                                                                  |          |

| ASP Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrRept_04e                                                               |          |
| <b>ASP Type:</b>           | DL_UdatInMsrRpt                                                           |          |
| <b>Derivation Path:</b>    | MsrRept_01.                                                               |          |
| <b>Comments:</b>           | To receive a measurement report containing 4 strongest carriers for EGSM. |          |
| Parameter Name             | Parameter Value                                                           | Comments |
| msg                        | MsrReport_04e                                                             |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| ASP Constraint Declaration |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrRept_05                                                                        |          |
| <b>ASP Type:</b>           | DL_UdatInMsrRpt                                                                   |          |
| <b>Derivation Path:</b>    | MsrRept_01.                                                                       |          |
| <b>Comments:</b>           | To receive a measurement report containing 6 strongest carriers and DTX was used. |          |
| Parameter Name             | Parameter Value                                                                   | Comments |
| msg                        | MsrReport_05                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| ASP Constraint Declaration |                                                                                         |          |
|----------------------------|-----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrRept_06                                                                              |          |
| <b>ASP Type:</b>           | DL_UdatInMsrRpt                                                                         |          |
| <b>Derivation Path:</b>    | MsrRept_01.                                                                             |          |
| <b>Comments:</b>           | To receive a measurement report containing 6 strongest carriers and DTX is not checked. |          |
| Parameter Name             | Parameter Value                                                                         | Comments |
| msg                        | MsrReport_06                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                         |          |

| ASP Constraint Declaration |                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrRept_07                                                                           |          |
| <b>ASP Type:</b>           | DL_UdatInMsrRpt                                                                      |          |
| <b>Derivation Path:</b>    | MsrRept_01.                                                                          |          |
| <b>Comments:</b>           | To receive a measurement report containing 2 strongest carriers and DTX is not used. |          |
| Parameter Name             | Parameter Value                                                                      | Comments |
| msg                        | MsrReport_07                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                      |          |

| ASP Constraint Declaration |                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | NotifySnd(ch:LOGICCH; msg:NOTIFY_PDU)                                                      |          |
| <b>ASP Type:</b>           | DL_DatRqNotify                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                            |          |
| <b>Comments:</b>           | To send a NOTIFY message to the MS. The message contains any valid notification indicator. |          |
| Parameter Name             | Parameter Value                                                                            | Comments |
| sapi                       | C_Sap0                                                                                     |          |
| logic_ch                   | ch                                                                                         |          |
| msg                        | msg                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                            |          |

| ASP Constraint Declaration |                                                                                                                                                                                                                                                  |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgReq1(ch:LOGICCH; pgg:PGG; pg1_req_pdu: PG1_RQ_PDU)                                                                                                                                                                                             |          |
| <b>ASP Type:</b>           | DL_UdatRqPg1Rq                                                                                                                                                                                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>           | To send a PAGING REQUEST TYPE 1 message to the paging group indicated by the parameter pgg which is derived from system parameters. The PAGING REQUEST TYPE1 message requests normal paging mode, any channel and for the MS identity TSPX_TMSI. |          |
| Parameter Name             | Parameter Value                                                                                                                                                                                                                                  | Comments |
| sapi                       | C_Sap0                                                                                                                                                                                                                                           |          |
| logic_ch                   | ch                                                                                                                                                                                                                                               |          |
| pgg                        | pgg                                                                                                                                                                                                                                              |          |
| msg                        | pg1_req_pdu                                                                                                                                                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                  |          |

| ASP Constraint Declaration |                                                                                                                                                                                                                                                  |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgReq2(ch:LOGICCH; pgg:PGG; pg2_req_pdu: PG2_RQ_PDU)                                                                                                                                                                                             |          |
| <b>ASP Type:</b>           | DL_UdatRqPg2Rq                                                                                                                                                                                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>           | To send a PAGING REQUEST TYPE 1 message to the paging group indicated by the parameter pgg which is derived from system parameters. The PAGING REQUEST TYPE1 message requests normal paging mode, any channel and for the MS identity TSPX_TMSI. |          |
| Parameter Name             | Parameter Value                                                                                                                                                                                                                                  | Comments |
| sapi                       | C_Sap0                                                                                                                                                                                                                                           |          |
| logic_ch                   | ch                                                                                                                                                                                                                                               |          |
| pgg                        | pgg                                                                                                                                                                                                                                              |          |
| msg                        | pg2_req_pdu                                                                                                                                                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                  |          |

| ASP Constraint Declaration |                                                                                                                                                                                                                                                  |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgReq3(ch:LOGICCH; pgg:PGG; pg3_req_pdu: PG3_RQ_PDU)                                                                                                                                                                                             |          |
| <b>ASP Type:</b>           | DL_UdatRqPg3Rq                                                                                                                                                                                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                  |          |
| <b>Comments:</b>           | To send a PAGING REQUEST TYPE 1 message to the paging group indicated by the parameter pgg which is derived from system parameters. The PAGING REQUEST TYPE1 message requests normal paging mode, any channel and for the MS identity TSPX_TMSI. |          |
| Parameter Name             | Parameter Value                                                                                                                                                                                                                                  | Comments |
| sapi                       | C_Sap0                                                                                                                                                                                                                                           |          |
| logic_ch                   | ch                                                                                                                                                                                                                                               |          |
| pgg                        | pgg                                                                                                                                                                                                                                              |          |
| msg                        | pg3_req_pdu                                                                                                                                                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                  |          |

| ASP Constraint Declaration |                                       |          |
|----------------------------|---------------------------------------|----------|
| <b>Constraint Name:</b>    | PagingRes(pdu: PG_RES_PDU)            |          |
| <b>ASP Type:</b>           | DL_EstlnPgRes                         |          |
| <b>Derivation Path:</b>    |                                       |          |
| <b>Comments:</b>           | To receive a PAGING RESPONSE message. |          |
| Parameter Name             | Parameter Value                       | Comments |
| sapi                       | C_Sap0                                |          |
| logic_ch                   | ?                                     |          |
| establish_mode             | ?                                     |          |
| msg                        | pdu                                   |          |
| fn                         | ?                                     |          |
| <b>Detailed Comments:</b>  |                                       |          |

| ASP Constraint Declaration |                                               |          |
|----------------------------|-----------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgRes_01                                      |          |
| <b>ASP Type:</b>           | DL_EstlnPgRes                                 |          |
| <b>Derivation Path:</b>    |                                               |          |
| <b>Comments:</b>           | To match any received PAGING RESPONSE message |          |
| Parameter Name             | Parameter Value                               | Comments |
| sapi                       | C_Sap0                                        |          |
| logic_ch                   | ?                                             |          |
| establish_mode             | ?                                             |          |
| msg                        | PagingRes_01                                  |          |
| fn                         | ?                                             |          |
| <b>Detailed Comments:</b>  |                                               |          |

| ASP Constraint Declaration |                                                                    |          |
|----------------------------|--------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgRes_02(ch:LOGICCH)                                               |          |
| <b>ASP Type:</b>           | DL_EstInPgRes                                                      |          |
| <b>Derivation Path:</b>    |                                                                    |          |
| <b>Comments:</b>           | To match any received PAGING RESPONSE message on the channel `ch`. |          |
| Parameter Name             | Parameter Value                                                    | Comments |
| sapi                       | C_Sap0                                                             |          |
| logic_ch                   | ch                                                                 |          |
| establish_mode             | ?                                                                  |          |
| msg                        | PagingRes_01                                                       |          |
| fn                         | ?                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                    |          |

| ASP Constraint Declaration |                                                                                     |          |
|----------------------------|-------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgRes_03                                                                            |          |
| <b>ASP Type:</b>           | DL_EstInPgRes                                                                       |          |
| <b>Derivation Path:</b>    | PgRes_01.                                                                           |          |
| <b>Comments:</b>           | To match a received PAGING RESPONSE message with default TMSI, CKSN and classmark2. |          |
| Parameter Name             | Parameter Value                                                                     | Comments |
| msg                        | PagingRes_03                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                     |          |

| ASP Constraint Declaration |                                                                                                          |          |
|----------------------------|----------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgRes_30(par:MI; cksn: BITSTRING)                                                                        |          |
| <b>ASP Type:</b>           | DL_EstInPgRes                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                          |          |
| <b>Comments:</b>           | To match derived received PAGING RESPONSE message for MM testcases.<br>Used var's:<br>TCV_cksn, TCV_tmsi |          |
| Parameter Name             | Parameter Value                                                                                          | Comments |
| sapi                       | C_Sap0                                                                                                   |          |
| logic_ch                   | ?                                                                                                        |          |
| establish_mode             | ?                                                                                                        |          |
| msg                        | PagingRes_30(par,cksn)                                                                                   |          |
| fn                         | ?                                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                          |          |

| ASP Constraint Declaration |                                                                                        |          |
|----------------------------|----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgRes_r03                                                                              |          |
| <b>ASP Type:</b>           | DL_EstInPgRes                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                        |          |
| <b>Comments:</b>           | To match the received PAGING RESPONSE message containing IMSI of the IUT for RR tests. |          |
| Parameter Name             | Parameter Value                                                                        | Comments |
| sapi                       | C_Sap0                                                                                 |          |
| logic_ch                   | C_FACCHF_A_1                                                                           |          |
| establish_mode             | ?                                                                                      |          |
| msg                        | PagingRes_r02                                                                          |          |
| fn                         | ?                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                        |          |

| ASP Constraint Declaration |                                                                  |          |
|----------------------------|------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgRes_r04                                                        |          |
| <b>ASP Type:</b>           | DL_EstInPgRes                                                    |          |
| <b>Derivation Path:</b>    | PgRes_01.                                                        |          |
| <b>Comments:</b>           | To match a received PAGING RESPONSE message with TMSI of the IUT |          |
| Parameter Name             | Parameter Value                                                  | Comments |
| msg                        | PagingRes_r01                                                    |          |
| <b>Detailed Comments:</b>  |                                                                  |          |

| ASP Constraint Declaration |                                                                        |          |
|----------------------------|------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgRes_r05                                                              |          |
| <b>ASP Type:</b>           | DL_EstInPgRes                                                          |          |
| <b>Derivation Path:</b>    | PgRes_01.                                                              |          |
| <b>Comments:</b>           | To match a received PAGING RESPONSE message containing IMSI of the IUT |          |
| Parameter Name             | Parameter Value                                                        | Comments |
| msg                        | PagingRes_r02                                                          |          |
| <b>Detailed Comments:</b>  |                                                                        |          |

| ASP Constraint Declaration |                                |          |
|----------------------------|--------------------------------|----------|
| <b>Constraint Name:</b>    | PhyInfo_01(ch: LOGICCH; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqPhyinfo                |          |
| <b>Derivation Path:</b>    |                                |          |
| <b>Comments:</b>           |                                |          |
| Parameter Name             | Parameter Value                | Comments |
| sapi                       | C_Sap0                         |          |
| logic_ch                   | ch                             |          |
| msg                        | Phyinfo_01(ta)                 |          |
| <b>Detailed Comments:</b>  |                                |          |

| ASP Constraint Declaration |                               |          |
|----------------------------|-------------------------------|----------|
| <b>Constraint Name:</b>    | PhyInfo_02(ch:LOGICCH; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqPhyinfo               |          |
| <b>Derivation Path:</b>    |                               |          |
| <b>Comments:</b>           |                               |          |
| Parameter Name             | Parameter Value               | Comments |
| sapi                       | C_Sap0                        |          |
| logic_ch                   | ch                            |          |
| msg                        | Phyinfo_04(ta)                |          |
| <b>Detailed Comments:</b>  |                               |          |

| ASP Constraint Declaration |                                |          |
|----------------------------|--------------------------------|----------|
| <b>Constraint Name:</b>    | PhyInfo_21(ch: LOGICCH; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqPhyinfo                |          |
| <b>Derivation Path:</b>    |                                |          |
| <b>Comments:</b>           | Used variables:<br>ch          |          |
| Parameter Name             | Parameter Value                | Comments |
| sapi                       | C_Sap0                         |          |
| logic_ch                   | ch                             |          |
| msg                        | Phyinfo_01(ta)                 |          |
| <b>Detailed Comments:</b>  |                                |          |

| ASP Constraint Declaration |                                |          |
|----------------------------|--------------------------------|----------|
| <b>Constraint Name:</b>    | PhyInfo_22(ch: LOGICCH; ta:TA) |          |
| <b>ASP Type:</b>           | DL_DatRqPhyinfo                |          |
| <b>Derivation Path:</b>    |                                |          |
| <b>Comments:</b>           |                                |          |
| Parameter Name             | Parameter Value                | Comments |
| sapi                       | C_Sap0                         |          |
| logic_ch                   | ch                             |          |
| msg                        | Phyinfofor_02(ta)              |          |
| <b>Detailed Comments:</b>  |                                |          |

| ASP Constraint Declaration |                                     |          |
|----------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>    | Progress(ch:LOGICCH; pdu: PROG_PDU) |          |
| <b>ASP Type:</b>           | DL_DatRqProg                        |          |
| <b>Derivation Path:</b>    |                                     |          |
| <b>Comments:</b>           | To send a PROGRESS message.         |          |
| Parameter Name             | Parameter Value                     | Comments |
| sapi                       | C_Sap0                              |          |
| logic_ch                   | ch                                  |          |
| msg                        | pdu                                 |          |
| <b>Detailed Comments:</b>  |                                     |          |

| ASP Constraint Declaration |                                  |          |
|----------------------------|----------------------------------|----------|
| <b>Constraint Name:</b>    | Register_01(ch:LOGICCH)          |          |
| <b>ASP Type:</b>           | DL_DatInRegister                 |          |
| <b>Derivation Path:</b>    |                                  |          |
| <b>Comments:</b>           | To receive any Register message. |          |
| Parameter Name             | Parameter Value                  | Comments |
| sapi                       | C_Sap0                           |          |
| logic_ch                   | ch                               |          |
| msg                        | RegisterPdu_01                   |          |
| fn                         | ?                                |          |
| <b>Detailed Comments:</b>  |                                  |          |

| ASP Constraint Declaration |                                                          |          |
|----------------------------|----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Register_02                                              |          |
| <b>ASP Type:</b>           | DL_DatInRegister                                         |          |
| <b>Derivation Path:</b>    |                                                          |          |
| <b>Comments:</b>           | To receive a REGISTER message containing no SSoperation. |          |
| Parameter Name             | Parameter Value                                          | Comments |
| sapi                       | C_Sap0                                                   |          |
| logic_ch                   | ?                                                        |          |
| msg                        | RegisterPdu_02                                           |          |
| fn                         | ?                                                        |          |
| <b>Detailed Comments:</b>  |                                                          |          |

| ASP Constraint Declaration |                  |          |
|----------------------------|------------------|----------|
| <b>Constraint Name:</b>    | Register_03      |          |
| <b>ASP Type:</b>           | DL_DatInRegister |          |
| <b>Derivation Path:</b>    | Register_02.     |          |
| <b>Comments:</b>           | CFNRy            |          |
| Parameter Name             | Parameter Value  | Comments |
| msg                        | RegisterPdu_03   |          |
| <b>Detailed Comments:</b>  |                  |          |



| ASP Constraint Declaration |                  |          |
|----------------------------|------------------|----------|
| <b>Constraint Name:</b>    | Register_04      |          |
| <b>ASP Type:</b>           | DL_DatInRegister |          |
| <b>Derivation Path:</b>    | Register_02.     |          |
| <b>Comments:</b>           | CFU              |          |
| Parameter Name             | Parameter Value  | Comments |
| msg                        | RegisterPdu_04   |          |
| <b>Detailed Comments:</b>  |                  |          |

| ASP Constraint Declaration |                                  |          |
|----------------------------|----------------------------------|----------|
| <b>Constraint Name:</b>    | Register_05                      |          |
| <b>ASP Type:</b>           | DL_DatInRegister                 |          |
| <b>Derivation Path:</b>    | Register_02.                     |          |
| <b>Comments:</b>           | CFB for all asynchronous service |          |
| Parameter Name             | Parameter Value                  | Comments |
| msg                        | RegisterPdu_05                   |          |
| <b>Detailed Comments:</b>  |                                  |          |

| ASP Constraint Declaration |                      |          |
|----------------------------|----------------------|----------|
| <b>Constraint Name:</b>    | Register_06          |          |
| <b>ASP Type:</b>           | DL_DatInRegister     |          |
| <b>Derivation Path:</b>    | Register_02.         |          |
| <b>Comments:</b>           | CF for all facsimile |          |
| Parameter Name             | Parameter Value      | Comments |
| msg                        | RegisterPdu_06       |          |
| <b>Detailed Comments:</b>  |                      |          |

| ASP Constraint Declaration |                                  |          |
|----------------------------|----------------------------------|----------|
| <b>Constraint Name:</b>    | Register_07                      |          |
| <b>ASP Type:</b>           | DL_DatInRegister                 |          |
| <b>Derivation Path:</b>    | Register_02.                     |          |
| <b>Comments:</b>           | erasure of CFC for all facsimile |          |
| Parameter Name             | Parameter Value                  | Comments |
| msg                        | RegisterPdu_07                   |          |
| <b>Detailed Comments:</b>  |                                  |          |

| ASP Constraint Declaration |                                         |          |
|----------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>    | Register_08                             |          |
| <b>ASP Type:</b>           | DL_DatInRegister                        |          |
| <b>Derivation Path:</b>    | Register_02.                            |          |
| <b>Comments:</b>           | erasure of CFNRc for all basic services |          |
| Parameter Name             | Parameter Value                         | Comments |
| msg                        | RegisterPdu_08                          |          |
| <b>Detailed Comments:</b>  |                                         |          |

| ASP Constraint Declaration |                           |          |
|----------------------------|---------------------------|----------|
| <b>Constraint Name:</b>    | Register_09               |          |
| <b>ASP Type:</b>           | DL_DatInRegister          |          |
| <b>Derivation Path:</b>    | Register_02.              |          |
| <b>Comments:</b>           | erasure of CFU for speech |          |
| Parameter Name             | Parameter Value           | Comments |
| msg                        | RegisterPdu_09            |          |
| <b>Detailed Comments:</b>  |                           |          |

| ASP Constraint Declaration |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | Register_10                        |          |
| <b>ASP Type:</b>           | DL_DatInRegister                   |          |
| <b>Derivation Path:</b>    | Register_02.                       |          |
| <b>Comments:</b>           | erasure of CFNRy for all facsimile |          |
| Parameter Name             | Parameter Value                    | Comments |
| msg                        | RegisterPdu_10                     |          |
| <b>Detailed Comments:</b>  |                                    |          |

| ASP Constraint Declaration |                                               |          |
|----------------------------|-----------------------------------------------|----------|
| <b>Constraint Name:</b>    | Register_11                                   |          |
| <b>ASP Type:</b>           | DL_DatInRegister                              |          |
| <b>Derivation Path:</b>    | Register_02.                                  |          |
| <b>Comments:</b>           | activation of CF for all synchronous services |          |
| Parameter Name             | Parameter Value                               | Comments |
| msg                        | RegisterPdu_11                                |          |
| <b>Detailed Comments:</b>  |                                               |          |

| ASP Constraint Declaration |                                          |          |
|----------------------------|------------------------------------------|----------|
| <b>Constraint Name:</b>    | Register_12                              |          |
| <b>ASP Type:</b>           | DL_DatInRegister                         |          |
| <b>Derivation Path:</b>    | Register_02.                             |          |
| <b>Comments:</b>           | activation of CFU for all basic services |          |
| Parameter Name             | Parameter Value                          | Comments |
| msg                        | RegisterPdu_12                           |          |
| <b>Detailed Comments:</b>  |                                          |          |

| ASP Constraint Declaration |                                |          |
|----------------------------|--------------------------------|----------|
| <b>Constraint Name:</b>    | Register_13                    |          |
| <b>ASP Type:</b>           | DL_DatInRegister               |          |
| <b>Derivation Path:</b>    | Register_02.                   |          |
| <b>Comments:</b>           | deactivation of CFC for speech |          |
| Parameter Name             | Parameter Value                | Comments |
| msg                        | RegisterPdu_13                 |          |
| <b>Detailed Comments:</b>  |                                |          |

| ASP Constraint Declaration |                                         |          |
|----------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>    | Register_14                             |          |
| <b>ASP Type:</b>           | DL_DatInRegister                        |          |
| <b>Derivation Path:</b>    | Register_02.                            |          |
| <b>Comments:</b>           | deactivation of CFNRc for all facsimile |          |
| Parameter Name             | Parameter Value                         | Comments |
| msg                        | RegisterPdu_14                          |          |
| <b>Detailed Comments:</b>  |                                         |          |

| ASP Constraint Declaration |                                             |          |
|----------------------------|---------------------------------------------|----------|
| <b>Constraint Name:</b>    | Register_15                                 |          |
| <b>ASP Type:</b>           | DL_DatInRegister                            |          |
| <b>Derivation Path:</b>    | Register_02.                                |          |
| <b>Comments:</b>           | interrogation of CFB for all basic services |          |
| Parameter Name             | Parameter Value                             | Comments |
| msg                        | RegisterPdu_15                              |          |
| <b>Detailed Comments:</b>  |                                             |          |

| ASP Constraint Declaration |                                      |          |
|----------------------------|--------------------------------------|----------|
| <b>Constraint Name:</b>    | Register_16                          |          |
| <b>ASP Type:</b>           | DL_DatInRegister                     |          |
| <b>Derivation Path:</b>    | Register_02.                         |          |
| <b>Comments:</b>           | interrogation of CFNRy for Telephony |          |
| Parameter Name             | Parameter Value                      | Comments |
| msg                        | RegisterPdu_16                       |          |
| <b>Detailed Comments:</b>  |                                      |          |

| ASP Constraint Declaration |                                               |          |
|----------------------------|-----------------------------------------------|----------|
| <b>Constraint Name:</b>    | Register_17                                   |          |
| <b>ASP Type:</b>           | DL_DatInRegister                              |          |
| <b>Derivation Path:</b>    | Register_02.                                  |          |
| <b>Comments:</b>           | interrogation of CFNRc for all basic services |          |
| Parameter Name             | Parameter Value                               | Comments |
| msg                        | RegisterPdu_17                                |          |
| <b>Detailed Comments:</b>  |                                               |          |

| ASP Constraint Declaration |                                        |          |
|----------------------------|----------------------------------------|----------|
| <b>Constraint Name:</b>    | Register_18                            |          |
| <b>ASP Type:</b>           | DL_DatInRegister                       |          |
| <b>Derivation Path:</b>    | Register_02.                           |          |
| <b>Comments:</b>           | interrogation of CFB for all facsimile |          |
| Parameter Name             | Parameter Value                        | Comments |
| msg                        | RegisterPdu_18                         |          |
| <b>Detailed Comments:</b>  |                                        |          |

| ASP Constraint Declaration |                          |          |
|----------------------------|--------------------------|----------|
| <b>Constraint Name:</b>    | Register_19              |          |
| <b>ASP Type:</b>           | DL_DatInRegister         |          |
| <b>Derivation Path:</b>    | Register_02.             |          |
| <b>Comments:</b>           | registration of password |          |
| Parameter Name             | Parameter Value          | Comments |
| msg                        | RegisterPdu_19           |          |
| <b>Detailed Comments:</b>  |                          |          |

| ASP Constraint Declaration |                  |          |
|----------------------------|------------------|----------|
| <b>Constraint Name:</b>    | Register_20      |          |
| <b>ASP Type:</b>           | DL_DatInRegister |          |
| <b>Derivation Path:</b>    | Register_02.     |          |
| <b>Comments:</b>           | Activation       |          |
| Parameter Name             | Parameter Value  | Comments |
| msg                        | RegisterPdu_20   |          |
| <b>Detailed Comments:</b>  |                  |          |

| ASP Constraint Declaration |                        |          |
|----------------------------|------------------------|----------|
| <b>Constraint Name:</b>    | Register_21            |          |
| <b>ASP Type:</b>           | DL_DatInRegister       |          |
| <b>Derivation Path:</b>    | Register_02.           |          |
| <b>Comments:</b>           | Activation for BICRoam |          |
| Parameter Name             | Parameter Value        | Comments |
| msg                        | RegisterPdu_21         |          |
| <b>Detailed Comments:</b>  |                        |          |

| ASP Constraint Declaration |                     |          |
|----------------------------|---------------------|----------|
| <b>Constraint Name:</b>    | Register_22         |          |
| <b>ASP Type:</b>           | DL_DatInRegister    |          |
| <b>Derivation Path:</b>    | Register_02.        |          |
| <b>Comments:</b>           | Activation for BOIC |          |
| Parameter Name             | Parameter Value     | Comments |
| msg                        | RegisterPdu_22      |          |
| <b>Detailed Comments:</b>  |                     |          |

| ASP Constraint Declaration |                     |          |
|----------------------------|---------------------|----------|
| <b>Constraint Name:</b>    | Register_23         |          |
| <b>ASP Type:</b>           | DL_DatInRegister    |          |
| <b>Derivation Path:</b>    | Register_02.        |          |
| <b>Comments:</b>           | Activation for BAIC |          |
| Parameter Name             | Parameter Value     | Comments |
| msg                        | RegisterPdu_23      |          |
| <b>Detailed Comments:</b>  |                     |          |

| ASP Constraint Declaration |                          |          |
|----------------------------|--------------------------|----------|
| <b>Constraint Name:</b>    | Register_24              |          |
| <b>ASP Type:</b>           | DL_DatInRegister         |          |
| <b>Derivation Path:</b>    | Register_02.             |          |
| <b>Comments:</b>           | Deactivation for Barring |          |
| Parameter Name             | Parameter Value          | Comments |
| msg                        | RegisterPdu_24           |          |
| <b>Detailed Comments:</b>  |                          |          |

| ASP Constraint Declaration |                                             |          |
|----------------------------|---------------------------------------------|----------|
| <b>Constraint Name:</b>    | Register_25                                 |          |
| <b>ASP Type:</b>           | DL_DatInRegister                            |          |
| <b>Derivation Path:</b>    | Register_02.                                |          |
| <b>Comments:</b>           | Deactivation for Barring of outgoing calls. |          |
| Parameter Name             | Parameter Value                             | Comments |
| msg                        | RegisterPdu_25                              |          |
| <b>Detailed Comments:</b>  |                                             |          |

| ASP Constraint Declaration |                                             |          |
|----------------------------|---------------------------------------------|----------|
| <b>Constraint Name:</b>    | Register_26                                 |          |
| <b>ASP Type:</b>           | DL_DatInRegister                            |          |
| <b>Derivation Path:</b>    | Register_02.                                |          |
| <b>Comments:</b>           | Deactivation for Barring of incoming calls. |          |
| Parameter Name             | Parameter Value                             | Comments |
| msg                        | RegisterPdu_26                              |          |
| <b>Detailed Comments:</b>  |                                             |          |

| ASP Constraint Declaration |                           |          |
|----------------------------|---------------------------|----------|
| <b>Constraint Name:</b>    | Register_27               |          |
| <b>ASP Type:</b>           | DL_DatInRegister          |          |
| <b>Derivation Path:</b>    | Register_02.              |          |
| <b>Comments:</b>           | Deactivation for BOICExHC |          |
| Parameter Name             | Parameter Value           | Comments |
| msg                        | RegisterPdu_27            |          |
| <b>Detailed Comments:</b>  |                           |          |

| ASP Constraint Declaration |                          |          |
|----------------------------|--------------------------|----------|
| <b>Constraint Name:</b>    | Register_28              |          |
| <b>ASP Type:</b>           | DL_DatInRegister         |          |
| <b>Derivation Path:</b>    | Register_02.             |          |
| <b>Comments:</b>           | Inerrogation for BICRoam |          |
| Parameter Name             | Parameter Value          | Comments |
| msg                        | RegisterPdu_28           |          |
| <b>Detailed Comments:</b>  |                          |          |

| ASP Constraint Declaration |                       |          |
|----------------------------|-----------------------|----------|
| <b>Constraint Name:</b>    | Register_29           |          |
| <b>ASP Type:</b>           | DL_DatInRegister      |          |
| <b>Derivation Path:</b>    | Register_02.          |          |
| <b>Comments:</b>           | Inerrogation for BOIC |          |
| Parameter Name             | Parameter Value       | Comments |
| msg                        | RegisterPdu_29        |          |
| <b>Detailed Comments:</b>  |                       |          |

| ASP Constraint Declaration |                       |          |
|----------------------------|-----------------------|----------|
| <b>Constraint Name:</b>    | Register_30           |          |
| <b>ASP Type:</b>           | DL_DatInRegister      |          |
| <b>Derivation Path:</b>    | Register_02.          |          |
| <b>Comments:</b>           | Inerrogation for BAIC |          |
| Parameter Name             | Parameter Value       | Comments |
| msg                        | RegisterPdu_30        |          |
| <b>Detailed Comments:</b>  |                       |          |

| ASP Constraint Declaration |                           |          |
|----------------------------|---------------------------|----------|
| <b>Constraint Name:</b>    | Register_31               |          |
| <b>ASP Type:</b>           | DL_DatInRegister          |          |
| <b>Derivation Path:</b>    | Register_02.              |          |
| <b>Comments:</b>           | Inerrogation for BOICExHC |          |
| Parameter Name             | Parameter Value           | Comments |
| msg                        | RegisterPdu_31            |          |
| <b>Detailed Comments:</b>  |                           |          |

| ASP Constraint Declaration |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | Register_32(ussdString: IA5String) |          |
| <b>ASP Type:</b>           | DL_DatInRegister                   |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           | Process Unstructured SS Request    |          |
| Parameter Name             | Parameter Value                    | Comments |
| sapi                       | C_Sap0                             |          |
| logic_ch                   | ?                                  |          |
| msg                        | RegisterPdu_32(ussdString)         |          |
| fn                         | ?                                  |          |
| <b>Detailed Comments:</b>  |                                    |          |

| ASP Constraint Declaration |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | Register_33(ussdString: IA5String) |          |
| <b>ASP Type:</b>           | DL_DatInRegister                   |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           | Process Unstructured SS Data       |          |
| Parameter Name             | Parameter Value                    | Comments |
| sapi                       | C_Sap0                             |          |
| logic_ch                   | ?                                  |          |
| msg                        | RegisterPdu_33(ussdString)         |          |
| fn                         | ?                                  |          |
| <b>Detailed Comments:</b>  |                                    |          |

| ASP Constraint Declaration |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterReq_01(ch: LOGICCH; Ti:TI; Invkid:OCTETSTRING; ussdstring: IA5String) |          |
| <b>ASP Type:</b>           | DL_DatRqRegister                                                              |          |
| <b>Derivation Path:</b>    |                                                                               |          |
| <b>Comments:</b>           | To send a REGISTER message containing Invoke for UnstructuredSS-Notify        |          |
| Parameter Name             | Parameter Value                                                               | Comments |
| sapi                       | C_Sap0                                                                        |          |
| logic_ch                   | ch                                                                            |          |
| msg                        | RegisterPdu_34(Ti, Invkid, ussdstring)                                        |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| ASP Constraint Declaration |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterReq_02(ch: LOGICCH; Ti:TI; Invkid:OCTETSTRING; ussdstring: IA5String) |          |
| <b>ASP Type:</b>           | DL_DatRqRegister                                                              |          |
| <b>Derivation Path:</b>    |                                                                               |          |
| <b>Comments:</b>           | To send a REGISTER message containing Invoke for UnstructuredSS-Request       |          |
| Parameter Name             | Parameter Value                                                               | Comments |
| sapi                       | C_Sap0                                                                        |          |
| logic_ch                   | ch                                                                            |          |
| msg                        | RegisterPdu_35(Ti, Invkid, ussdstring)                                        |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| ASP Constraint Declaration |                                                       |          |
|----------------------------|-------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseInd_01                                         |          |
| <b>ASP Type:</b>           | DL_DatInRel                                           |          |
| <b>Derivation Path:</b>    |                                                       |          |
| <b>Comments:</b>           | To match a received CC RELEASE message with cause #96 |          |
| Parameter Name             | Parameter Value                                       | Comments |
| sapi                       | C_Sap0                                                |          |
| logic_ch                   | ?                                                     |          |
| msg                        | Release_01                                            |          |
| fn                         | ?                                                     |          |
| <b>Detailed Comments:</b>  |                                                       |          |

| ASP Constraint Declaration |                                           |          |
|----------------------------|-------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseInd_02                             |          |
| <b>ASP Type:</b>           | DL_DatInRel                               |          |
| <b>Derivation Path:</b>    | ReleaseInd_01.                            |          |
| <b>Comments:</b>           | To match any received CC RELEASE message. |          |
| Parameter Name             | Parameter Value                           | Comments |
| msg                        | Release_02                                |          |
| <b>Detailed Comments:</b>  |                                           |          |

| ASP Constraint Declaration |                                          |          |
|----------------------------|------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseInd_03(Ti:TI)                     |          |
| <b>ASP Type:</b>           | DL_DatInRel                              |          |
| <b>Derivation Path:</b>    |                                          |          |
| <b>Comments:</b>           | To match any received CC RELEASE message |          |
| Parameter Name             | Parameter Value                          | Comments |
| sapi                       | C_Sap0                                   |          |
| logic_ch                   | ?                                        |          |
| msg                        | Release_10(Ti)                           |          |
| fn                         | ?                                        |          |
| <b>Detailed Comments:</b>  |                                          |          |

| ASP Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseInd_06(Ti:Ti)                                                  |          |
| <b>ASP Type:</b>           | DL_DatInRel                                                           |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | To match a received CC RELEASE message containing mandatory IEs only. |          |
| Parameter Name             | Parameter Value                                                       | Comments |
| sapi                       | C_Sap0                                                                |          |
| logic_ch                   | ?                                                                     |          |
| msg                        | Release_09(Ti)                                                        |          |
| fn                         | ?                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| ASP Constraint Declaration |                                  |          |
|----------------------------|----------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseRcv(pdu: REL_PDU)         |          |
| <b>ASP Type:</b>           | DL_DatInRel                      |          |
| <b>Derivation Path:</b>    |                                  |          |
| <b>Comments:</b>           | To receive a CC RELEASE message. |          |
| Parameter Name             | Parameter Value                  | Comments |
| sapi                       | C_Sap0                           |          |
| logic_ch                   | ?                                |          |
| msg                        | pdu                              |          |
| fn                         | ?                                |          |
| <b>Detailed Comments:</b>  |                                  |          |

| ASP Constraint Declaration |                                       |          |
|----------------------------|---------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseSnd(ch: LOGICCH; pdu: REL_PDU) |          |
| <b>ASP Type:</b>           | DL_DatRqRel                           |          |
| <b>Derivation Path:</b>    |                                       |          |
| <b>Comments:</b>           | To send a RELEASE message.            |          |
| Parameter Name             | Parameter Value                       | Comments |
| sapi                       | C_Sap0                                |          |
| logic_ch                   | ch                                    |          |
| msg                        | pdu                                   |          |
| <b>Detailed Comments:</b>  |                                       |          |

| ASP Constraint Declaration |                                                                          |          |
|----------------------------|--------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmp_01(Ti:Ti)                                                         |          |
| <b>ASP Type:</b>           | DL_DatInRelCmp                                                           |          |
| <b>Derivation Path:</b>    |                                                                          |          |
| <b>Comments:</b>           | To match a received RELEASE COMPLETE message containing cause value #81. |          |
| Parameter Name             | Parameter Value                                                          | Comments |
| sapi                       | C_Sap0                                                                   |          |
| logic_ch                   | ?                                                                        |          |
| msg                        | ReleaseCmp_01(Ti)                                                        |          |
| fn                         | ?                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                          |          |



| ASP Constraint Declaration |                                         |          |
|----------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmp_02(Ti:TI)                        |          |
| <b>ASP Type:</b>           | DL_DatInRelCmp                          |          |
| <b>Derivation Path:</b>    |                                         |          |
| <b>Comments:</b>           | To receive any RELEASE COMPLETE message |          |
| Parameter Name             | Parameter Value                         | Comments |
| sapi                       | C_Sap0                                  |          |
| logic_ch                   | ?                                       |          |
| msg                        | ReleaseCmp_03(Ti)                       |          |
| fn                         | ?                                       |          |
| <b>Detailed Comments:</b>  |                                         |          |

| ASP Constraint Declaration |                                                                          |          |
|----------------------------|--------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmp_05(Ti:TI)                                                         |          |
| <b>ASP Type:</b>           | DL_DatInRelCmp                                                           |          |
| <b>Derivation Path:</b>    |                                                                          |          |
| <b>Comments:</b>           | To match a received RELEASE COMPLETE message containing cause value #88. |          |
| Parameter Name             | Parameter Value                                                          | Comments |
| sapi                       | C_Sap0                                                                   |          |
| logic_ch                   | ?                                                                        |          |
| msg                        | ReleaseCmp_07(Ti)                                                        |          |
| fn                         | ?                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                          |          |

| ASP Constraint Declaration |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmp_06                                                                         |          |
| <b>ASP Type:</b>           | DL_DatInRelCmp                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                   |          |
| <b>Comments:</b>           | To receive a RELEASE COMPLETE message containing #81 cause value and TI = '1110'B |          |
| Parameter Name             | Parameter Value                                                                   | Comments |
| sapi                       | C_Sap0                                                                            |          |
| logic_ch                   | ?                                                                                 |          |
| msg                        | ReleaseCmp_52                                                                     |          |
| fn                         | ?                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| ASP Constraint Declaration |                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmp_08(Ti:TI)                                                                   |          |
| <b>ASP Type:</b>           | DL_DatInRelCmp                                                                     |          |
| <b>Derivation Path:</b>    | RelCmp_01.                                                                         |          |
| <b>Comments:</b>           | To match a received RELEASE COMPLETE message containing cause value #17 user busy. |          |
| Parameter Name             | Parameter Value                                                                    | Comments |
| msg                        | ReleaseCmp_08(Ti)                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                    |          |

| ASP Constraint Declaration |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmp_09(Ti:Ti)                                                               |          |
| <b>ASP Type:</b>           | DL_DatInRelCmp                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                |          |
| <b>Comments:</b>           | To receive a RELEASE COMPLETE message which may or may not contain Facility IE |          |
| Parameter Name             | Parameter Value                                                                | Comments |
| sapi                       | C_Sap0                                                                         |          |
| logic_ch                   | ?                                                                              |          |
| msg                        | ReleaseCmp_25(Ti)                                                              |          |
| fn                         | ?                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| ASP Constraint Declaration |                                                                                                                |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmp_10(Ti:TI; Invkid :OCTETSTRING; ussdString: IA5String)                                                   |          |
| <b>ASP Type:</b>           | DL_DatInRelCmp                                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                                                |          |
| <b>Comments:</b>           | To receive a RELEASE COMPLETE message containing the FACILITY IE of the REGISTER message in test case 31.9.1.1 |          |
| Parameter Name             | Parameter Value                                                                                                | Comments |
| sapi                       | C_Sap0                                                                                                         |          |
| logic_ch                   | ?                                                                                                              |          |
| msg                        | ReleaseCmp_40(Ti, Invkid, ussdString)                                                                          |          |
| fn                         | ?                                                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                                                |          |

| ASP Constraint Declaration |                                                                                                                       |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmp_11(Ti:TI; Invkid: OCTETSTRING)                                                                                 |          |
| <b>ASP Type:</b>           | DL_DatInRelCmp                                                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                                                       |          |
| <b>Comments:</b>           | To receive a RELEASE COMPLETE message containing Return Error for UnstructuredSS-Notify with the error code USSD Busy |          |
| Parameter Name             | Parameter Value                                                                                                       | Comments |
| sapi                       | C_Sap0                                                                                                                |          |
| logic_ch                   | ?                                                                                                                     |          |
| msg                        | ReleaseCmp_49(Ti, Invkid)                                                                                             |          |
| fn                         | ?                                                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                                                       |          |

| ASP Constraint Declaration |                                                                                                                        |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmp_12(Ti:TI; Invkid: OCTETSTRING)                                                                                  |          |
| <b>ASP Type:</b>           | DL_DatInRelCmp                                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                                        |          |
| <b>Comments:</b>           | To receive a RELEASE COMPLETE message containing Return Error for UnstructuredSS-Request with the error code USSD Busy |          |
| Parameter Name             | Parameter Value                                                                                                        | Comments |
| sapi                       | C_Sap0                                                                                                                 |          |
| logic_ch                   | ?                                                                                                                      |          |
| msg                        | ReleaseCmp_50(Ti, Invkid)                                                                                              |          |
| fn                         | ?                                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                                        |          |

| ASP Constraint Declaration |                                                          |          |
|----------------------------|----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_01(ch: LOGICCH)                                 |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                           |          |
| <b>Derivation Path:</b>    |                                                          |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing cause #16. |          |
| Parameter Name             | Parameter Value                                          | Comments |
| sapi                       | C_Sap0                                                   |          |
| logic_ch                   | ch                                                       |          |
| msg                        | ReleaseCmp_02                                            |          |
| <b>Detailed Comments:</b>  |                                                          |          |

| ASP Constraint Declaration |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_03(Ti:Ti; ch:LOGICCH)                                                |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                                |          |
| <b>Derivation Path:</b>    |                                                                               |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing cause #1--- unallocated number. |          |
| Parameter Name             | Parameter Value                                                               | Comments |
| sapi                       | C_Sap0                                                                        |          |
| logic_ch                   | ch                                                                            |          |
| msg                        | ReleaseCmp_04(Ti)                                                             |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| ASP Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_05(Ti:Ti; ch: LOGICCH)                                   |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                    |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing mandatory IEs only. |          |
| Parameter Name             | Parameter Value                                                   | Comments |
| sapi                       | C_Sap0                                                            |          |
| logic_ch                   | ch                                                                |          |
| msg                        | ReleaseCmp_08(Ti)                                                 |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| ASP Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_06(ch:LOGICCH; Ti:Ti; Invkid:OCTETSTRING)                |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                    |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing mandatory IEs only. |          |
| Parameter Name             | Parameter Value                                                   | Comments |
| sapi                       | C_Sap0                                                            |          |
| logic_ch                   | ch                                                                |          |
| msg                        | ReleaseCmp_14(Ti, Invkid)                                         |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| ASP Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_07(ch:LOGICCH; Ti:Ti; Invkid:OCTETSTRING)                |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                    |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing mandatory IEs only. |          |
| Parameter Name             | Parameter Value                                                   | Comments |
| sapi                       | C_Sap0                                                            |          |
| logic_ch                   | ch                                                                |          |
| msg                        | ReleaseCmp_11(Ti, Invkid)                                         |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| ASP Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_08(ch:LOGICCH; Ti:Ti)                                    |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                    |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing mandatory IEs only. |          |
| Parameter Name             | Parameter Value                                                   | Comments |
| sapi                       | C_Sap0                                                            |          |
| logic_ch                   | ch                                                                |          |
| msg                        | ReleaseCmp_08(Ti)                                                 |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| ASP Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_09(ch:LOGICCH; Ti:Ti)                                    |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                    |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing mandatory IEs only. |          |
| Parameter Name             | Parameter Value                                                   | Comments |
| sapi                       | C_Sap0                                                            |          |
| logic_ch                   | ch                                                                |          |
| msg                        | ReleaseCmp_08(Ti)                                                 |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| ASP Constraint Declaration |                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_10(ch:LOGICCH; Ti:Ti; Trscld:OCTETSTRING)                                 |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                    |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing ReturnResult of registration ( CFU). |          |
| Parameter Name             | Parameter Value                                                                    | Comments |
| sapi                       | C_Sap0                                                                             |          |
| logic_ch                   | ch                                                                                 |          |
| msg                        | ReleaseCmp_09(Ti, Trscld)                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                    |          |

| ASP Constraint Declaration |                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_11(ch:LOGICCH; Ti:Ti; Trscld:OCTETSTRING)                                                           |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                              |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing ReturnResult of registration ( CFB all asynchronous services). |          |
| Parameter Name             | Parameter Value                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                       |          |
| logic_ch                   | ch                                                                                                           |          |
| msg                        | ReleaseCmp_12(Ti, Trscld)                                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                 |          |
|----------------------------|-------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_12(ch:LOGICCH; Ti:Ti; Trscld:OCTETSTRING)                                              |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                                 |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing ReturnResult of registration ( CF all facsimile). |          |
| Parameter Name             | Parameter Value                                                                                 | Comments |
| sapi                       | C_Sap0                                                                                          |          |
| logic_ch                   | ch                                                                                              |          |
| msg                        | ReleaseCmp_13(Ti, Trscld)                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                 |          |

| ASP Constraint Declaration |                                                                                                    |          |
|----------------------------|----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_13(ch:LOGICCH; Ti:Ti; Trscld:OCTETSTRING)                                                 |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                    |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing ReturnResult of erasure ( CFNRc all basic services). |          |
| Parameter Name             | Parameter Value                                                                                    | Comments |
| sapi                       | C_Sap0                                                                                             |          |
| logic_ch                   | ch                                                                                                 |          |
| msg                        | ReleaseCmp_15(Ti,Trscld)                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                                    |          |

| ASP Constraint Declaration |                                                                                     |          |
|----------------------------|-------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_14(ch:LOGICCH; Ti:Ti; Trscld:OCTETSTRING)                                  |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                     |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing ReturnError of erasure ( CFU Speech). |          |
| Parameter Name             | Parameter Value                                                                     | Comments |
| sapi                       | C_Sap0                                                                              |          |
| logic_ch                   | ch                                                                                  |          |
| msg                        | ReleaseCmp_16(Ti,Trscld)                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                     |          |

| ASP Constraint Declaration |                                                                                         |          |
|----------------------------|-----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_15(ch:LOGICCH; Ti:Ti; Trscld:OCTETSTRING)                                      |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                         |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing Reject of erasure ( CFNRy all facsimile). |          |
| Parameter Name             | Parameter Value                                                                         | Comments |
| sapi                       | C_Sap0                                                                                  |          |
| logic_ch                   | ch                                                                                      |          |
| msg                        | ReleaseCmp_17(Ti,Trscld)                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                         |          |

| ASP Constraint Declaration |                                                                                                   |          |
|----------------------------|---------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_16(ch:LOGICCH; Ti:Ti; Trscld:OCTETSTRING)                                                |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                                   |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing ReturnResult of activate ( CFU all basic services). |          |
| Parameter Name             | Parameter Value                                                                                   | Comments |
| sapi                       | C_Sap0                                                                                            |          |
| logic_ch                   | ch                                                                                                |          |
| msg                        | ReleaseCmp_19(Ti, Trscld)                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                                   |          |

| ASP Constraint Declaration |                                                                                                  |          |
|----------------------------|--------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_17(ch:LOGICCH; Ti:Ti; Trscld:OCTETSTRING)                                               |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                                  |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing ReturnResult of deactivate ( CFNRc all facsimile). |          |
| Parameter Name             | Parameter Value                                                                                  | Comments |
| sapi                       | C_Sap0                                                                                           |          |
| logic_ch                   | ch                                                                                               |          |
| msg                        | ReleaseCmp_21(Ti, Trscld)                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                  |          |

| ASP Constraint Declaration |                                                                                              |          |
|----------------------------|----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_18(ch:LOGICCH; Ti:Ti; Trscld:OCTETSTRING)                                           |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                              |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing ReturnResult of interrogation ( CFNRy Speech). |          |
| Parameter Name             | Parameter Value                                                                              | Comments |
| sapi                       | C_Sap0                                                                                       |          |
| logic_ch                   | ch                                                                                           |          |
| msg                        | ReleaseCmp_23(Ti, Trscld)                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                              |          |

| ASP Constraint Declaration |                                                                                                         |          |
|----------------------------|---------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_19(ch:LOGICCH; Ti:Ti; Trscld:OCTETSTRING)                                                      |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                         |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing ReturnError of interrogation ( CFNRc all basic services). |          |
| Parameter Name             | Parameter Value                                                                                         | Comments |
| sapi                       | C_Sap0                                                                                                  |          |
| logic_ch                   | ch                                                                                                      |          |
| msg                        | ReleaseCmp_24(Ti, Trscld)                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                         |          |

| ASP Constraint Declaration |                                                                                                |          |
|----------------------------|------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_20(ch:LOGICCH; Ti:TI; Trscld:OCTETSTRING)                                             |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                                |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing ReturnRej of interrogation ( CFB all facsimile). |          |
| Parameter Name             | Parameter Value                                                                                | Comments |
| sapi                       | C_Sap0                                                                                         |          |
| logic_ch                   | ch                                                                                             |          |
| msg                        | ReleaseCmp_26(Ti, Trscld)                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                |          |

| ASP Constraint Declaration |                                                                                         |          |
|----------------------------|-----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_21(ch:LOGICCH; Ti:TI; Trscld:OCTETSTRING)                                      |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                         |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing ReturnResult for registration of password |          |
| Parameter Name             | Parameter Value                                                                         | Comments |
| sapi                       | C_Sap0                                                                                  |          |
| logic_ch                   | ch                                                                                      |          |
| msg                        | ReleaseCmp_27(Ti, Trscld)                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                         |          |

| ASP Constraint Declaration |                                                                                        |          |
|----------------------------|----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_22(ch:LOGICCH; Ti:TI; Trscld:OCTETSTRING)                                     |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                        |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing ReturnError for registration of password |          |
| Parameter Name             | Parameter Value                                                                        | Comments |
| sapi                       | C_Sap0                                                                                 |          |
| logic_ch                   | ch                                                                                     |          |
| msg                        | ReleaseCmp_28(Ti, Trscld)                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                        |          |

| ASP Constraint Declaration |                                                                                        |          |
|----------------------------|----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_23(ch:LOGICCH; Ti:TI; Trscld:OCTETSTRING)                                     |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                        |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing ReturnError for registration of password |          |
| Parameter Name             | Parameter Value                                                                        | Comments |
| sapi                       | C_Sap0                                                                                 |          |
| logic_ch                   | ch                                                                                     |          |
| msg                        | ReleaseCmp_29(Ti, Trscld)                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                        |          |

| ASP Constraint Declaration |                                                                                        |          |
|----------------------------|----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_24(ch:LOGICCH; Ti:Ti; Trscld:OCTETSTRING)                                     |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                        |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing ReturnError for registration of password |          |
| Parameter Name             | Parameter Value                                                                        | Comments |
| sapi                       | C_Sap0                                                                                 |          |
| logic_ch                   | ch                                                                                     |          |
| msg                        | ReleaseCmp_30(Ti, Trscld)                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                        |          |

| ASP Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_25(ch:LOGICCH; Ti:Ti; Trscld:OCTETSTRING)                        |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                            |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing ReturnResult for Activation |          |
| Parameter Name             | Parameter Value                                                           | Comments |
| sapi                       | C_Sap0                                                                    |          |
| logic_ch                   | ch                                                                        |          |
| msg                        | ReleaseCmp_32(Ti, Trscld)                                                 |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| ASP Constraint Declaration |                                                                          |          |
|----------------------------|--------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_26(ch:LOGICCH; Ti:Ti; Trscld:OCTETSTRING)                       |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                           |          |
| <b>Derivation Path:</b>    |                                                                          |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing ReturnError for Activation |          |
| Parameter Name             | Parameter Value                                                          | Comments |
| sapi                       | C_Sap0                                                                   |          |
| logic_ch                   | ch                                                                       |          |
| msg                        | ReleaseCmp_33(Ti, Trscld)                                                |          |
| <b>Detailed Comments:</b>  |                                                                          |          |

| ASP Constraint Declaration |                                                                          |          |
|----------------------------|--------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_27(ch:LOGICCH; Ti:Ti; Trscld:OCTETSTRING)                       |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                           |          |
| <b>Derivation Path:</b>    |                                                                          |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing ReturnError for Activation |          |
| Parameter Name             | Parameter Value                                                          | Comments |
| sapi                       | C_Sap0                                                                   |          |
| logic_ch                   | ch                                                                       |          |
| msg                        | ReleaseCmp_34(Ti, Trscld)                                                |          |
| <b>Detailed Comments:</b>  |                                                                          |          |

| ASP Constraint Declaration |                                                                             |          |
|----------------------------|-----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_28(ch:LOGICCH; Ti:Ti; Trscld:OCTETSTRING)                          |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                              |          |
| <b>Derivation Path:</b>    |                                                                             |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing ReturnResult for Deactivation |          |
| Parameter Name             | Parameter Value                                                             | Comments |
| sapi                       | C_Sap0                                                                      |          |
| logic_ch                   | ch                                                                          |          |
| msg                        | ReleaseCmp_36(Ti, Trscld)                                                   |          |
| <b>Detailed Comments:</b>  |                                                                             |          |



| ASP Constraint Declaration |                                                                            |          |
|----------------------------|----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_29(ch:LOGICCH; Ti:Ti; Trscld:OCTETSTRING)                         |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                             |          |
| <b>Derivation Path:</b>    |                                                                            |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing ReturnError for Deactivation |          |
| Parameter Name             | Parameter Value                                                            | Comments |
| sapi                       | C_Sap0                                                                     |          |
| logic_ch                   | ch                                                                         |          |
| msg                        | ReleaseCmp_37(Ti, Trscld)                                                  |          |
| <b>Detailed Comments:</b>  |                                                                            |          |

| ASP Constraint Declaration |                                                                            |          |
|----------------------------|----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_31(ch:LOGICCH; Ti:Ti; Trscld:OCTETSTRING)                         |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                             |          |
| <b>Derivation Path:</b>    |                                                                            |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing ReturnError for Deactivation |          |
| Parameter Name             | Parameter Value                                                            | Comments |
| sapi                       | C_Sap0                                                                     |          |
| logic_ch                   | ch                                                                         |          |
| msg                        | ReleaseCmp_38(Ti, Trscld)                                                  |          |
| <b>Detailed Comments:</b>  |                                                                            |          |

| ASP Constraint Declaration |                                                                             |          |
|----------------------------|-----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_32(ch:LOGICCH; Ti:Ti; Trscld:OCTETSTRING)                          |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                              |          |
| <b>Derivation Path:</b>    |                                                                             |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing ReturnError for Interrogation |          |
| Parameter Name             | Parameter Value                                                             | Comments |
| sapi                       | C_Sap0                                                                      |          |
| logic_ch                   | ch                                                                          |          |
| msg                        | ReleaseCmp_43(Ti, Trscld)                                                   |          |
| <b>Detailed Comments:</b>  |                                                                             |          |

| ASP Constraint Declaration |                                                                        |          |
|----------------------------|------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_33(ch:LOGICCH; Ti:Ti; Trscld:OCTETSTRING)                     |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                         |          |
| <b>Derivation Path:</b>    |                                                                        |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing Reject for Interrogation |          |
| Parameter Name             | Parameter Value                                                        | Comments |
| sapi                       | C_Sap0                                                                 |          |
| logic_ch                   | ch                                                                     |          |
| msg                        | ReleaseCmp_44(Ti, Trscld)                                              |          |
| <b>Detailed Comments:</b>  |                                                                        |          |

| ASP Constraint Declaration |                                                                              |          |
|----------------------------|------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_34(ch:LOGICCH; Ti:Ti; Trscld:OCTETSTRING)                           |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                               |          |
| <b>Derivation Path:</b>    |                                                                              |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing ReturnResult for Interrogation |          |
| Parameter Name             | Parameter Value                                                              | Comments |
| sapi                       | C_Sap0                                                                       |          |
| logic_ch                   | ch                                                                           |          |
| msg                        | ReleaseCmp_41(Ti, Trscld)                                                    |          |
| <b>Detailed Comments:</b>  |                                                                              |          |

| ASP Constraint Declaration |                                                        |          |
|----------------------------|--------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_35(ch:LOGICCH; Ti:Ti)                         |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                         |          |
| <b>Derivation Path:</b>    |                                                        |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing NotifySS |          |
| Parameter Name             | Parameter Value                                        | Comments |
| sapi                       | C_Sap0                                                 |          |
| logic_ch                   | ch                                                     |          |
| msg                        | ReleaseCmp_45(Ti)                                      |          |
| <b>Detailed Comments:</b>  |                                                        |          |

| ASP Constraint Declaration |                                                                                                   |          |
|----------------------------|---------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_36(ch:LOGICCH; Ti :Ti; Invkid:OCTETSTRING; prevbits: OCTETSTRING; follbits: OCTETSTRING) |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                                   |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing Reject for Process Unstructured SS request          |          |
| Parameter Name             | Parameter Value                                                                                   | Comments |
| sapi                       | C_Sap0                                                                                            |          |
| logic_ch                   | ch                                                                                                |          |
| msg                        | ReleaseCmp_48(Ti, Invkid, prevbits, follbits)                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                                   |          |

| ASP Constraint Declaration |                                                                                         |          |
|----------------------------|-----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_37(ch:LOGICCH; Ti :Ti)                                                         |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                         |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing cause 'facility rejected' and without FIE |          |
| Parameter Name             | Parameter Value                                                                         | Comments |
| sapi                       | C_Sap0                                                                                  |          |
| logic_ch                   | ch                                                                                      |          |
| msg                        | ReleaseCmp_42(Ti)                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                         |          |

| ASP Constraint Declaration |                                                                                                   |          |
|----------------------------|---------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_38(ch:LOGICCH; Ti :Ti; Invkid:OCTETSTRING; prevbits: OCTETSTRING; follbits: OCTETSTRING) |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                                   |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing Return Result for Process Unstructured SS Data      |          |
| Parameter Name             | Parameter Value                                                                                   | Comments |
| sapi                       | C_Sap0                                                                                            |          |
| logic_ch                   | ch                                                                                                |          |
| msg                        | ReleaseCmp_51(Ti, Invkid, prevbits, follbits)                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                                   |          |

| <b>ASP Constraint Declaration</b> |                                                                                                   |          |
|-----------------------------------|---------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | RelCmpRq_39(ch:LOGICCH; Ti :TI; Invkid:OCTETSTRING; prevbits: OCTETSTRING; follbits: OCTETSTRING) |          |
| <b>ASP Type:</b>                  | DL_DatRqRelCmp                                                                                    |          |
| <b>Derivation Path:</b>           |                                                                                                   |          |
| <b>Comments:</b>                  | To send a RELEASE COMPLETE message containing Return Error for Process Unstructured SS Request    |          |
| Parameter Name                    | Parameter Value                                                                                   | Comments |
| sapi                              | C_Sap0                                                                                            |          |
| logic_ch                          | ch                                                                                                |          |
| msg                               | ReleaseCmp_53(Ti, Invkid, prevbits, follbits)                                                     |          |
| <b>Detailed Comments:</b>         |                                                                                                   |          |

| <b>ASP Constraint Declaration</b> |                                                                                                   |          |
|-----------------------------------|---------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | RelCmpRq_40(ch:LOGICCH; Ti :TI; Invkid:OCTETSTRING; prevbits: OCTETSTRING; follbits: OCTETSTRING) |          |
| <b>ASP Type:</b>                  | DL_DatRqRelCmp                                                                                    |          |
| <b>Derivation Path:</b>           |                                                                                                   |          |
| <b>Comments:</b>                  | To send a RELEASE COMPLETE message containing Reject for Process Unstructured SS Request          |          |
| Parameter Name                    | Parameter Value                                                                                   | Comments |
| sapi                              | C_Sap0                                                                                            |          |
| logic_ch                          | ch                                                                                                |          |
| msg                               | ReleaseCmp_54(Ti, Invkid, prevbits, follbits)                                                     |          |
| <b>Detailed Comments:</b>         |                                                                                                   |          |

| <b>ASP Constraint Declaration</b> |                                                                                                                          |          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | RelCmpRq_41(ch:LOGICCH; Ti :TI; Invkid:OCTETSTRING; prevbits: OCTETSTRING; follbits: OCTETSTRING; ussdString: IA5String) |          |
| <b>ASP Type:</b>                  | DL_DatRqRelCmp                                                                                                           |          |
| <b>Derivation Path:</b>           |                                                                                                                          |          |
| <b>Comments:</b>                  | To send a RELEASE COMPLETE message containing Return Result for Process Unstructured SS request                          |          |
| Parameter Name                    | Parameter Value                                                                                                          | Comments |
| sapi                              | C_Sap0                                                                                                                   |          |
| logic_ch                          | ch                                                                                                                       |          |
| msg                               | ReleaseCmp_46(Ti, Invkid, prevbits, follbits, ussdString)                                                                |          |
| <b>Detailed Comments:</b>         |                                                                                                                          |          |

| <b>ASP Constraint Declaration</b> |                                                                  |          |
|-----------------------------------|------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | RelCmpRq_42(ch:LOGICCH; Ti :TI)                                  |          |
| <b>ASP Type:</b>                  | DL_DatRqRelCmp                                                   |          |
| <b>Derivation Path:</b>           |                                                                  |          |
| <b>Comments:</b>                  | To send a RELEASE COMPLETE message without cause and without FIE |          |
| Parameter Name                    | Parameter Value                                                  | Comments |
| sapi                              | C_Sap0                                                           |          |
| logic_ch                          | ch                                                               |          |
| msg                               | ReleaseCmp_47(Ti)                                                |          |
| <b>Detailed Comments:</b>         |                                                                  |          |

| ASP Constraint Declaration |                                                                                          |          |
|----------------------------|------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_43(ch:LOGICCH; Ti :TI; Invkid:OCTETSTRING)                                      |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                          |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing Return Result for Unstructured SS - Notify |          |
| Parameter Name             | Parameter Value                                                                          | Comments |
| sapi                       | C_Sap0                                                                                   |          |
| logic_ch                   | ch                                                                                       |          |
| msg                        | ReleaseCmp_55(Ti, Invkid)                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                          |          |

| ASP Constraint Declaration |                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_44(ch:LOGICCH; Ti :TI; Invkid:OCTETSTRING)                                       |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                           |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing Return Result for Unstructured SS - Request |          |
| Parameter Name             | Parameter Value                                                                           | Comments |
| sapi                       | C_Sap0                                                                                    |          |
| logic_ch                   | ch                                                                                        |          |
| msg                        | ReleaseCmp_56(Ti, Invkid)                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                           |          |

| ASP Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_45(ch:LOGICCH; Ti:TI; Invkid:OCTETSTRING)                |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                    |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing mandatory IEs only. |          |
| Parameter Name             | Parameter Value                                                   | Comments |
| sapi                       | C_Sap0                                                            |          |
| logic_ch                   | ch                                                                |          |
| msg                        | ReleaseCmp_18(Ti, Invkid)                                         |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| ASP Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_46(ch:LOGICCH; Ti:TI; Invkid:OCTETSTRING)                |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                    |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing mandatory IEs only. |          |
| Parameter Name             | Parameter Value                                                   | Comments |
| sapi                       | C_Sap0                                                            |          |
| logic_ch                   | ch                                                                |          |
| msg                        | ReleaseCmp_20(Ti, Invkid)                                         |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| ASP Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_47(ch:LOGICCH; Ti:Ti; Invkid:OCTETSTRING)                |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                    |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing mandatory IEs only. |          |
| Parameter Name             | Parameter Value                                                   | Comments |
| sapi                       | C_Sap0                                                            |          |
| logic_ch                   | ch                                                                |          |
| msg                        | ReleaseCmp_22(Ti, Invkid)                                         |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| ASP Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_48(ch:LOGICCH; Ti:Ti; Trscld:OCTETSTRING)                        |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                            |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing ReturnResult for Activation |          |
| Parameter Name             | Parameter Value                                                           | Comments |
| sapi                       | C_Sap0                                                                    |          |
| logic_ch                   | ch                                                                        |          |
| msg                        | ReleaseCmp_31(Ti, Trscld)                                                 |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| ASP Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_49(ch:LOGICCH; Ti:Ti; Trscld:OCTETSTRING)                        |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                            |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing ReturnResult for Activation |          |
| Parameter Name             | Parameter Value                                                           | Comments |
| sapi                       | C_Sap0                                                                    |          |
| logic_ch                   | ch                                                                        |          |
| msg                        | ReleaseCmp_35(Ti, Trscld)                                                 |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| ASP Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_50(ch:LOGICCH; Ti:Ti; Trscld:OCTETSTRING)                        |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                            |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing ReturnResult for Activation |          |
| Parameter Name             | Parameter Value                                                           | Comments |
| sapi                       | C_Sap0                                                                    |          |
| logic_ch                   | ch                                                                        |          |
| msg                        | ReleaseCmp_39(Ti, Trscld)                                                 |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| ASP Constraint Declaration |                                                                             |          |
|----------------------------|-----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelCmpRq_inv_02(ch: LOGICCH)                                                |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                                                              |          |
| <b>Derivation Path:</b>    |                                                                             |          |
| <b>Comments:</b>           | To send an invalid RELEASE COMPLETE message containing unknown optional IE. |          |
| Parameter Name             | Parameter Value                                                             | Comments |
| sapi                       | C_Sap0                                                                      |          |
| logic_ch                   | ch                                                                          |          |
| msg                        | ReleaseCmp_inv_02                                                           |          |
| <b>Detailed Comments:</b>  |                                                                             |          |

| ASP Constraint Declaration |                                        |          |
|----------------------------|----------------------------------------|----------|
| <b>Constraint Name:</b>    | RelComRcv(pdu: REL_COM_PDU)            |          |
| <b>ASP Type:</b>           | DL_DatInRelCmp                         |          |
| <b>Derivation Path:</b>    |                                        |          |
| <b>Comments:</b>           | To receive a RELEASE COMPLETE message. |          |
| Parameter Name             | Parameter Value                        | Comments |
| sapi                       | C_Sap0                                 |          |
| logic_ch                   | ?                                      |          |
| msg                        | pdu                                    |          |
| fn                         | ?                                      |          |
| <b>Detailed Comments:</b>  |                                        |          |

| ASP Constraint Declaration |                                         |          |
|----------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>    | RelComSnd(ch:LOGICCH; pdu: REL_COM_PDU) |          |
| <b>ASP Type:</b>           | DL_DatRqRelCmp                          |          |
| <b>Derivation Path:</b>    |                                         |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message.     |          |
| Parameter Name             | Parameter Value                         | Comments |
| sapi                       | C_Sap0                                  |          |
| logic_ch                   | ch                                      |          |
| msg                        | pdu                                     |          |
| <b>Detailed Comments:</b>  |                                         |          |

| ASP Constraint Declaration |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | RelRq_02(Ti:TI; ch: LOGICCH) |          |
| <b>ASP Type:</b>           | DL_DatRqRel                  |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           | normal, unspecified          |          |
| Parameter Name             | Parameter Value              | Comments |
| sapi                       | C_Sap0                       |          |
| logic_ch                   | ch                           |          |
| msg                        | Release_03(Ti)               |          |
| <b>Detailed Comments:</b>  |                              |          |

| ASP Constraint Declaration |                                                     |          |
|----------------------------|-----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelRq_04(Ti:TI; ch: LOGICCH)                        |          |
| <b>ASP Type:</b>           | DL_DatRqRel                                         |          |
| <b>Derivation Path:</b>    |                                                     |          |
| <b>Comments:</b>           | to send a RELEASE message with mandatory IE's only. |          |
| Parameter Name             | Parameter Value                                     | Comments |
| sapi                       | C_Sap0                                              |          |
| logic_ch                   | ch                                                  |          |
| msg                        | Release_08(Ti)                                      |          |
| <b>Detailed Comments:</b>  |                                                     |          |

| ASP Constraint Declaration |                                                           |          |
|----------------------------|-----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RelRq_inv_01(Ti:TI; ch: LOGICCH)                          |          |
| <b>ASP Type:</b>           | DL_DatRqRel                                               |          |
| <b>Derivation Path:</b>    |                                                           |          |
| <b>Comments:</b>           | To send a RELEASE message containing optional unknown IE. |          |
| Parameter Name             | Parameter Value                                           | Comments |
| sapi                       | C_Sap0                                                    |          |
| logic_ch                   | ch                                                        |          |
| msg                        | ReleaseReq_inv_01(Ti)                                     |          |
| <b>Detailed Comments:</b>  |                                                           |          |

| ASP Constraint Declaration |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RrStatus_01(ch:LOGICCH)                                        |          |
| <b>ASP Type:</b>           | DL_DatInRrst                                                   |          |
| <b>Derivation Path:</b>    |                                                                |          |
| <b>Comments:</b>           | To match a received RR STATUS message containing any RR cause. |          |
| Parameter Name             | Parameter Value                                                | Comments |
| sapi                       | C_Sap0                                                         |          |
| logic_ch                   | ch                                                             |          |
| msg                        | RRStatus_01                                                    |          |
| fn                         | ?                                                              |          |
| <b>Detailed Comments:</b>  |                                                                |          |

| ASP Constraint Declaration |                                                           |          |
|----------------------------|-----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RrStatus_02                                               |          |
| <b>ASP Type:</b>           | DL_DatInRrst                                              |          |
| <b>Derivation Path:</b>    |                                                           |          |
| <b>Comments:</b>           | To receive a RR STATUS message containing cause value #96 |          |
| Parameter Name             | Parameter Value                                           | Comments |
| sapi                       | C_Sap0                                                    |          |
| logic_ch                   | ?                                                         |          |
| msg                        | RRStatus_02                                               |          |
| fn                         | ?                                                         |          |
| <b>Detailed Comments:</b>  |                                                           |          |

| ASP Constraint Declaration |                                                              |          |
|----------------------------|--------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RrStatus_03                                                  |          |
| <b>ASP Type:</b>           | DL_DatInRrst                                                 |          |
| <b>Derivation Path:</b>    |                                                              |          |
| <b>Comments:</b>           | To receive a RR STATUS message containing RR cause value #97 |          |
| Parameter Name             | Parameter Value                                              | Comments |
| sapi                       | C_Sap0                                                       |          |
| logic_ch                   | ?                                                            |          |
| msg                        | RRStatus_03                                                  |          |
| fn                         | ?                                                            |          |
| <b>Detailed Comments:</b>  |                                                              |          |

| ASP Constraint Declaration |                                                 |          |
|----------------------------|-------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SMSCBReq_01(ch: LOGICCH; sernum: SERIAL_NUMBER) |          |
| <b>ASP Type:</b>           | DL_UdatRqSMSCBData                              |          |
| <b>Derivation Path:</b>    |                                                 |          |
| <b>Comments:</b>           | To send a SMSCB message, first block            |          |
| Parameter Name             | Parameter Value                                 | Comments |
| sapi                       | C_Sap3                                          |          |
| logic_ch                   | ch                                              |          |
| msg                        | SMSCB_01(sernum)                                |          |
| <b>Detailed Comments:</b>  |                                                 |          |

| ASP Constraint Declaration |                                                                                                             |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SMSCBReq_02(ch: LOGICCH; sernum: SERIAL_NUMBER; seqnum, lb: BITSTRING; firstoct: INTEGER; lastoct: INTEGER) |          |
| <b>ASP Type:</b>           | DL_UdatRqSMSCBData                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                             |          |
| <b>Comments:</b>           | To send a SMSCB message, second to fourth block (depending on the sequence number)                          |          |
| Parameter Name             | Parameter Value                                                                                             | Comments |
| sapi                       | C_Sap3                                                                                                      |          |
| logic_ch                   | ch                                                                                                          |          |
| msg                        | SMSCB_02(seqnum, lb, firstoct, lastoct)                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                                             |          |

| ASP Constraint Declaration |                                     |          |
|----------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_01                          |          |
| <b>ASP Type:</b>           | DL_DatInSetup                       |          |
| <b>Derivation Path:</b>    |                                     |          |
| <b>Comments:</b>           | To match any received SETUP message |          |
| Parameter Name             | Parameter Value                     | Comments |
| sapi                       | C_Sap0                              |          |
| logic_ch                   | ?                                   |          |
| msg                        | SetupInd_01                         |          |
| fn                         | ?                                   |          |
| <b>Detailed Comments:</b>  |                                     |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_TS_11_12                                                                                                                                             |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | SetupInd_TS11_12                                                                                                                                             |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |



| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_TS_61_2400                                                                                                                                           |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_TS61_1, SetupInd_TS61_2)                                                                                                                           |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_TS_61_4800                                                                                                                                           |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_TS61_1, SetupInd_TS61_2)                                                                                                                           |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_TS_61_9600                                                                                                                                           |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_TS61_1, SetupInd_TS61_2)                                                                                                                           |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_TS_62_2400                                                                                                                                           |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | SetupInd_TS62                                                                                                                                                |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_TS_62_4800                                                                                                                                           |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | SetupInd_TS62                                                                                                                                                |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_TS_62_9600                                                                                                                                           |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | SetupInd_TS62                                                                                                                                                |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_21                                                                                                                                                |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_B121_300_1,<br>SetupInd_B121_300_2,<br>SetupInd_B122_300_1,<br>SetupInd_B122_300_2)                                                                |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_22                                                                                                                                                |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_B121_1200_1,<br>SetupInd_B121_1200_2,<br>SetupInd_B122_1200_1,<br>SetupInd_B122_1200_2)                                                            |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_23                                                                                                                                                |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_B121_120075_1,<br>SetupInd_B121_120075_2,<br>SetupInd_B122_120075_1,<br>SetupInd_B122_120075_2)                                                    |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_24                                                                                                                                                |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_B121_2400_1,<br>SetupInd_B121_2400_2,<br>SetupInd_B122_2400_1,<br>SetupInd_B122_2400_2)                                                            |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_25                                                                                                                                                |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_B121_4800_1,<br>SetupInd_B121_4800_2,<br>SetupInd_B122_4800_1,<br>SetupInd_B122_4800_2)                                                            |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                                                                       |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_26                                                                                                                                                                                         |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                       |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01.                                          |          |
| Parameter Name             | Parameter Value                                                                                                                                                                                       | Comments |
| sapi                       | C_Sap0                                                                                                                                                                                                |          |
| logic_ch                   | ?                                                                                                                                                                                                     |          |
| msg                        | (SetupInd_B121_9600_1,<br>SetupInd_B121_9600_2,<br>SetupInd_B121_9600_3,<br>SetupInd_B121_9600_4,<br>SetupInd_B122_9600_1,<br>SetupInd_B122_9600_2,<br>SetupInd_B122_9600_3,<br>SetupInd_B122_9600_4) |          |
| fn                         | ?                                                                                                                                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                       |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_31                                                                                                                                                |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_B1311_1200,<br>SetupInd_B1321_1200)                                                                                                                |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_32                                                                                                                                                |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_B1311_2400,<br>SetupInd_B1312_2400,<br>SetupInd_B1321_2400,<br>SetupInd_B1322_2400)                                                                |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_33                                                                                                                                                |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_B1311_4800,<br>SetupInd_B1312_4800,<br>SetupInd_B1321_4800,<br>SetupInd_B1322_4800)                                                                |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_34                                                                                                                                                |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_B1311_9600,<br>SetupInd_B1312_9600,<br>SetupInd_B1321_9600,<br>SetupInd_B1322_9600_1,<br>SetupInd_B1322_9600_2)                                    |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_41                                                                                                                                                |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_B14_300_1,<br>SetupInd_B14_300_2)                                                                                                                  |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_42                                                                                                                                                |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_B14_1200_1,<br>SetupInd_B14_1200_2)                                                                                                                |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_43                                                                                                                                                |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_B14_120075_1,<br>SetupInd_B14_120075_2)                                                                                                            |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_44                                                                                                                                                |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_B14_2400_1,<br>SetupInd_B14_2400_2)                                                                                                                |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_45                                                                                                                                                |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_B14_4800_1,<br>SetupInd_B14_4800_2)                                                                                                                |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_46                                                                                                                                                |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_B14_9600_1,<br>SetupInd_B14_9600_2,<br>SetupInd_B14_9600_3,<br>SetupInd_B14_9600_4)                                                                |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_51                                                                                                                                                |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | SetupInd_B15_2400                                                                                                                                            |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_52                                                                                                                                                |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | SetupInd_B15_4800                                                                                                                                            |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_53                                                                                                                                                |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | SetupInd_B15_9600                                                                                                                                            |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_61_300                                                                                                                                            |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_BS61_B161_B1621_300_1,<br>SetupInd_BS61_B161_B1621_300_2)                                                                                          |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_61_1200                                                                                                                                           |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_BS61_B161_B1621_1200_1,<br>SetupInd_BS61_B161_B1621_1200_2,<br>SetupInd_BS61_B161_B1622_1200)                                                      |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_61_120075                                                                                                                                         |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_BS61_B161_B1621_120075_1<br>,<br>SetupInd_BS61_B161_B1621_120075_2)                                                                                |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_61_2400                                                                                                                                           |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_BS61_B161_B1621_2400_1,<br>SetupInd_BS61_B161_B1621_2400_2,<br>SetupInd_BS61_B161_B1622_2400)                                                      |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |



| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_61_4800                                                                                                                                           |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_BS61_B161_B1621_4800_1, SetupInd_BS61_B161_B1621_4800_2, SetupInd_BS61_B161_B1622_4800)                                                            |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_61_9600                                                                                                                                           |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_BS61_B161_B1621_9600_1, SetupInd_BS61_B161_B1621_9600_2, SetupInd_BS61_B161_B1622_9600)                                                            |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_81_300                                                                                                                                            |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_BS81_B161_B1621_300_1, SetupInd_BS81_B161_B1621_300_2)                                                                                             |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_81_1200                                                                                                                                           |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_BS81_B161_B1621_1200_1, SetupInd_BS81_B161_B1621_1200_2, SetupInd_BS81_B161_B1622_1200)                                                            |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_81_120075                                                                                                                                         |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_BS81_B161_B1621_120075_1,<br>SetupInd_BS81_B161_B1621_120075_2)                                                                                    |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_81_2400                                                                                                                                           |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_BS81_B161_B1621_2400_1,<br>SetupInd_BS81_B161_B1621_2400_2,<br>SetupInd_BS81_B161_B1622_2400)                                                      |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_81_4800                                                                                                                                           |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_BS81_B161_B1621_4800_1,<br>SetupInd_BS81_B161_B1621_4800_2,<br>SetupInd_BS81_B161_B1622_4800)                                                      |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupIn_BS_81_9600                                                                                                                                           |          |
| <b>ASP Type:</b>           | DL_DatInSetup                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | To match a SETUP message with specific bcap, llcmp and hlcmp constraints for the selected bearer service / teleservice according to the tables of GSM 07.01. |          |
| Parameter Name             | Parameter Value                                                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                                                       |          |
| logic_ch                   | ?                                                                                                                                                            |          |
| msg                        | (SetupInd_BS81_B161_B1621_9600_1,<br>SetupInd_BS81_B161_B1621_9600_2,<br>SetupInd_BS81_B161_B1622_9600)                                                      |          |
| fn                         | ?                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| ASP Constraint Declaration |                             |          |
|----------------------------|-----------------------------|----------|
| <b>Constraint Name:</b>    | SetupRcv(pdu: SETUP_MO_PDU) |          |
| <b>ASP Type:</b>           | DL_DatInSetup               |          |
| <b>Derivation Path:</b>    |                             |          |
| <b>Comments:</b>           | To receive a SETUP message. |          |
| Parameter Name             | Parameter Value             | Comments |
| sapi                       | C_Sap0                      |          |
| logic_ch                   | ?                           |          |
| msg                        | pdu                         |          |
| fn                         | ?                           |          |
| <b>Detailed Comments:</b>  |                             |          |

| ASP Constraint Declaration |                                                                                                                                                   |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupRq_01(ch:LOGICCH)                                                                                                                            |          |
| <b>ASP Type:</b>           | DL_DatRqSetup                                                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                                                   |          |
| <b>Comments:</b>           | To send a SETUP message containing speech bearer capability. It is also used in the test cases where the value of bearer capability is not care . |          |
| Parameter Name             | Parameter Value                                                                                                                                   | Comments |
| sapi                       | C_Sap0                                                                                                                                            |          |
| logic_ch                   | ch                                                                                                                                                |          |
| msg                        | Setup_01                                                                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                   |          |

| ASP Constraint Declaration |                                                                                       |          |
|----------------------------|---------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupRq_03(ch: LOGICCH)                                                               |          |
| <b>ASP Type:</b>           | DL_DatRqSetup                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                       |          |
| <b>Comments:</b>           | To send a SETUP message with mandatory IE's only. The transaction identity is '0000'B |          |
| Parameter Name             | Parameter Value                                                                       | Comments |
| sapi                       | C_Sap0                                                                                |          |
| logic_ch                   | ch                                                                                    |          |
| msg                        | Setup_03                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                       |          |

| ASP Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupRq_05(ch: LOGICCH; setup:SETUP_MT_PDU)                       |          |
| <b>ASP Type:</b>           | DL_DatRqSetup                                                     |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | To send a SETUP message which is the input parameter of this ASP. |          |
| Parameter Name             | Parameter Value                                                   | Comments |
| sapi                       | C_Sap0                                                            |          |
| logic_ch                   | ch                                                                |          |
| msg                        | setup                                                             |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| ASP Constraint Declaration |                                                                         |          |
|----------------------------|-------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupRq_20(ch: LOGICCH)                                                 |          |
| <b>ASP Type:</b>           | DL_DatRqSetup                                                           |          |
| <b>Derivation Path:</b>    |                                                                         |          |
| <b>Comments:</b>           | To send a SETUP message containing in TSPX_BCa given bearer capability. |          |
| Parameter Name             | Parameter Value                                                         | Comments |
| sapi                       | C_Sap0                                                                  |          |
| logic_ch                   | ch                                                                      |          |
| msg                        | Setup_20(TSPX_BCa)                                                      |          |
| <b>Detailed Comments:</b>  |                                                                         |          |

| ASP Constraint Declaration |                                                                         |          |
|----------------------------|-------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupRq_inv_01(ch: LOGICCH)                                             |          |
| <b>ASP Type:</b>           | DL_DatRqSetup                                                           |          |
| <b>Derivation Path:</b>    |                                                                         |          |
| <b>Comments:</b>           | To send a SETUP message containing incorrect transaction ID flag value. |          |
| Parameter Name             | Parameter Value                                                         | Comments |
| sapi                       | C_Sap0                                                                  |          |
| logic_ch                   | ch                                                                      |          |
| msg                        | Setup_inv_01                                                            |          |
| <b>Detailed Comments:</b>  |                                                                         |          |

| ASP Constraint Declaration |                                                   |          |
|----------------------------|---------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupRq_inv_02(ch: LOGICCH)                       |          |
| <b>ASP Type:</b>           | DL_DatRqSetup                                     |          |
| <b>Derivation Path:</b>    |                                                   |          |
| <b>Comments:</b>           | To send a SETUP message with arbitrary spare bits |          |
| Parameter Name             | Parameter Value                                   | Comments |
| sapi                       | C_Sap0                                            |          |
| logic_ch                   | ch                                                |          |
| msg                        | Setup_inv_02                                      |          |
| <b>Detailed Comments:</b>  |                                                   |          |

| ASP Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupSnd(ch: LOGICCH; pdu:SETUP_MT_PDU)                           |          |
| <b>ASP Type:</b>           | DL_DatRqSetup                                                     |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | To send a SETUP message which is the input parameter of this ASP. |          |
| Parameter Name             | Parameter Value                                                   | Comments |
| sapi                       | C_Sap0                                                            |          |
| logic_ch                   | ch                                                                |          |
| msg                        | pdu                                                               |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| ASP Constraint Declaration |                     |          |
|----------------------------|---------------------|----------|
| <b>Constraint Name:</b>    | StartDTMF_02(Ti:Ti) |          |
| <b>ASP Type:</b>           | DL_DatInStartDtmf   |          |
| <b>Derivation Path:</b>    |                     |          |
| <b>Comments:</b>           |                     |          |
| Parameter Name             | Parameter Value     | Comments |
| sapi                       | C_Sap0              |          |
| logic_ch                   | ?                   |          |
| msg                        | StartDtmf_02(Ti)    |          |
| fn                         | ?                   |          |
| <b>Detailed Comments:</b>  |                     |          |

| ASP Constraint Declaration |                                  |          |
|----------------------------|----------------------------------|----------|
| <b>Constraint Name:</b>    | StartDTMFRcv(msg:START_DTMF_PDU) |          |
| <b>ASP Type:</b>           | DL_DatInStartDtmf                |          |
| <b>Derivation Path:</b>    |                                  |          |
| <b>Comments:</b>           |                                  |          |
| Parameter Name             | Parameter Value                  | Comments |
| sapi                       | C_Sap0                           |          |
| logic_ch                   | ?                                |          |
| msg                        | msg                              |          |
| fn                         | ?                                |          |
| <b>Detailed Comments:</b>  |                                  |          |

| ASP Constraint Declaration |                                                         |          |
|----------------------------|---------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | StartDTMFAck_01(Ti:Ti; character:IA5String; ch:LOGICCH) |          |
| <b>ASP Type:</b>           | DL_DatRqStartDtmfAck                                    |          |
| <b>Derivation Path:</b>    |                                                         |          |
| <b>Comments:</b>           |                                                         |          |
| Parameter Name             | Parameter Value                                         | Comments |
| sapi                       | C_Sap0                                                  |          |
| logic_ch                   | ch                                                      |          |
| msg                        | StartDtmfAck_01(Ti, character)                          |          |
| <b>Detailed Comments:</b>  |                                                         |          |

| ASP Constraint Declaration |                                                     |          |
|----------------------------|-----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | StartDTMFAckSnd(ch:LOGICCH; msg:START_DTMF_ACK_PDU) |          |
| <b>ASP Type:</b>           | DL_DatRqStartDtmfAck                                |          |
| <b>Derivation Path:</b>    |                                                     |          |
| <b>Comments:</b>           |                                                     |          |
| Parameter Name             | Parameter Value                                     | Comments |
| sapi                       | C_Sap0                                              |          |
| logic_ch                   | ch                                                  |          |
| msg                        | msg                                                 |          |
| <b>Detailed Comments:</b>  |                                                     |          |

| ASP Constraint Declaration |                                                      |          |
|----------------------------|------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | StartDTMFRejSnd(ch: LOGICCH; msg:START_DTMF_REJ_PDU) |          |
| <b>ASP Type:</b>           | DL_DatRqStartDtmfRej                                 |          |
| <b>Derivation Path:</b>    |                                                      |          |
| <b>Comments:</b>           |                                                      |          |
| Parameter Name             | Parameter Value                                      | Comments |
| sapi                       | C_Sap0                                               |          |
| logic_ch                   | ch                                                   |          |
| msg                        | msg                                                  |          |
| <b>Detailed Comments:</b>  |                                                      |          |

| ASP Constraint Declaration |                    |          |
|----------------------------|--------------------|----------|
| <b>Constraint Name:</b>    | StopDTMF_01(Ti:Ti) |          |
| <b>ASP Type:</b>           | DL_DatInStopDtmf   |          |
| <b>Derivation Path:</b>    |                    |          |
| <b>Comments:</b>           |                    |          |
| Parameter Name             | Parameter Value    | Comments |
| sapi                       | C_Sap0             |          |
| logic_ch                   | ?                  |          |
| msg                        | StopDtmf_01(Ti)    |          |
| fn                         | ?                  |          |
| <b>Detailed Comments:</b>  |                    |          |

| ASP Constraint Declaration |                                |          |
|----------------------------|--------------------------------|----------|
| <b>Constraint Name:</b>    | StopDTMFRcv(msg:STOP_DTMF_PDU) |          |
| <b>ASP Type:</b>           | DL_DatInStopDtmf               |          |
| <b>Derivation Path:</b>    |                                |          |
| <b>Comments:</b>           |                                |          |
| Parameter Name             | Parameter Value                | Comments |
| sapi                       | C_Sap0                         |          |
| logic_ch                   | ?                              |          |
| msg                        | msg                            |          |
| fn                         | ?                              |          |
| <b>Detailed Comments:</b>  |                                |          |

| ASP Constraint Declaration |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | StopDTMFAck_01(Ti:Ti; ch: LOGICCH) |          |
| <b>ASP Type:</b>           | DL_DatRqStopDtmfAck                |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Parameter Name             | Parameter Value                    | Comments |
| sapi                       | C_Sap0                             |          |
| logic_ch                   | ch                                 |          |
| msg                        | StopDtmfAck_01(Ti)                 |          |
| <b>Detailed Comments:</b>  |                                    |          |

| ASP Constraint Declaration |                                                    |          |
|----------------------------|----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | StopDTMFAckSnd(ch: LOGICCH; msg:STOP_DTMF_ACK_PDU) |          |
| <b>ASP Type:</b>           | DL_DatRqStopDtmfAck                                |          |
| <b>Derivation Path:</b>    |                                                    |          |
| <b>Comments:</b>           |                                                    |          |
| Parameter Name             | Parameter Value                                    | Comments |
| sapi                       | C_Sap0                                             |          |
| logic_ch                   | ch                                                 |          |
| msg                        | msg                                                |          |
| <b>Detailed Comments:</b>  |                                                    |          |

| ASP Constraint Declaration |                                                                      |          |
|----------------------------|----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SyncInfo(ch:LOGICCH)                                                 |          |
| <b>ASP Type:</b>           | DL_UdatRqSchinfo                                                     |          |
| <b>Derivation Path:</b>    |                                                                      |          |
| <b>Comments:</b>           | To send SYNCHRONIZATION INFORMATION message with default parameters. |          |
| Parameter Name             | Parameter Value                                                      | Comments |
| sapi                       | C_Sap0                                                               |          |
| logic_ch                   | ch                                                                   |          |
| msg                        | SyncInfor_01                                                         |          |
| <b>Detailed Comments:</b>  |                                                                      |          |

| ASP Constraint Declaration |                                                                      |          |
|----------------------------|----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SyncInfo_01                                                          |          |
| <b>ASP Type:</b>           | DL_UdatRqSchinfo                                                     |          |
| <b>Derivation Path:</b>    |                                                                      |          |
| <b>Comments:</b>           | To send SYNCHRONIZATION INFORMATION message with default parameters. |          |
| Parameter Name             | Parameter Value                                                      | Comments |
| sapi                       | C_Sap0                                                               |          |
| logic_ch                   | C_SCH_A                                                              |          |
| msg                        | SyncInfor_01                                                         |          |
| <b>Detailed Comments:</b>  |                                                                      |          |

| ASP Constraint Declaration |                                                          |          |
|----------------------------|----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInfo1_MM(bcch: LOGICCH; cchd: CCHD; rachcpar: RACHCP) |          |
| <b>ASP Type:</b>           | DL_UdatRqSysinfo1                                        |          |
| <b>Derivation Path:</b>    |                                                          |          |
| <b>Comments:</b>           | To send the default SYSTEM INFORMATION TYPE 1 message.   |          |
| Parameter Name             | Parameter Value                                          | Comments |
| sapi                       | C_Sap0                                                   |          |
| logic_ch                   | bcch                                                     |          |
| msg                        | SysInf1_MM(cchd, rachcpar)                               |          |
| <b>Detailed Comments:</b>  |                                                          |          |

| ASP Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInfo1(ch:LOGICCH; cchd:CCHD; maxtx:B_2; txint:B_4; re:B_1)         |          |
| <b>ASP Type:</b>           | DL_UdatRqSysinfo1                                                     |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | To send SYSTEM INFORMATION TYPE 1 in cell A for RR testing of GSM900. |          |
| Parameter Name             | Parameter Value                                                       | Comments |
| sapi                       | C_Sap0                                                                |          |
| logic_ch                   | ch                                                                    |          |
| msg                        | SysInf1(cchd, maxtx, txint, re)                                       |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| ASP Constraint Declaration |                                                                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInfo1_nh(ch:LOGICCH; ci:CI; mnc, lac:OCTETSTRING; ccd:CCD; co:CO; crh, mtmc:INTEGER; neci:B_1; maxtx:B_2; txint:B_4; re:B_1) |          |
| <b>ASP Type:</b>           | DL_UdatRqSysinfo1_nh                                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                                                 |          |
| <b>Comments:</b>           |                                                                                                                                 |          |
| Parameter Name             | Parameter Value                                                                                                                 | Comments |
| sapi                       | C_Sap0                                                                                                                          |          |
| logic_ch                   | ch                                                                                                                              |          |
| msg                        | SysInf3(ci, mnc, lac, ccd, co, crh, mtmc, neci, maxtx, txint, re)                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                 |          |

| ASP Constraint Declaration |                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInfo1_nh_07(ch:LOGICCH; ci:CI; lai:LAI; ccd:CCD; co:CO; csp:CSP; rachcpar:RACHCP) |          |
| <b>ASP Type:</b>           | DL_UdatRqSysinfo1_nh                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                      |          |
| <b>Comments:</b>           | To send SYSTEM INFORMATION TYPE 3.                                                   |          |
| Parameter Name             | Parameter Value                                                                      | Comments |
| sapi                       | C_Sap0                                                                               |          |
| logic_ch                   | ch                                                                                   |          |
| msg                        | SysInf3_07(ci, lai, ccd, co, csp, rachcpar)                                          |          |
| <b>Detailed Comments:</b>  |                                                                                      |          |

| ASP Constraint Declaration |                                                        |          |
|----------------------------|--------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInfo2_MM(bcch:LOGICCH; bcchfl:NCD; rachcpar:RACHCP) |          |
| <b>ASP Type:</b>           | DL_UdatRqSysinfo2                                      |          |
| <b>Derivation Path:</b>    |                                                        |          |
| <b>Comments:</b>           | To send the default SYSTEM INFORMATION TYPE 2 message. |          |
| Parameter Name             | Parameter Value                                        | Comments |
| sapi                       | C_Sap0                                                 |          |
| logic_ch                   | bcch                                                   |          |
| msg                        | SysInf2_MM(bcchfl, rachcpar)                           |          |
| <b>Detailed Comments:</b>  |                                                        |          |

| ASP Constraint Declaration |                                                                                                                            |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInfo2(ch:LOGICCH; bcchfl:NCD; maxtx:B_2; txint:B_4; re:B_1)                                                             |          |
| <b>ASP Type:</b>           | DL_UdatRqSysinfo2                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                            |          |
| <b>Comments:</b>           | To send the default SYSTEM INFORMATION TYPE 2 message containing default neighbour cells description in cell B for GSM900. |          |
| Parameter Name             | Parameter Value                                                                                                            | Comments |
| sapi                       | C_Sap0                                                                                                                     |          |
| logic_ch                   | ch                                                                                                                         |          |
| msg                        | SysInf2(bcchfl, maxtx, txint, re)                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                                                            |          |



| ASP Constraint Declaration |                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInfo2_07(ch: LOGICCH; bcchfl: NCD; rachcpar: RACHCP)                              |          |
| <b>ASP Type:</b>           | DL_UdatRqSysinfo2                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                      |          |
| <b>Comments:</b>           | To send SYSTEM INFORMATION TYPE 2 message in cell 1 for idle mode testing of GSM900. |          |
| Parameter Name             | Parameter Value                                                                      | Comments |
| sapi                       | C_Sap0                                                                               |          |
| logic_ch                   | ch                                                                                   |          |
| msg                        | SysInf2_07(bcchfl, rachcpar)                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                      |          |

| ASP Constraint Declaration |                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInfo2bis(ch: LOGICCH)                                                             |          |
| <b>ASP Type:</b>           | DL_UdatRqSysinfo2bis                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                      |          |
| <b>Comments:</b>           | SYSTEM INFORMATION 2bis in cell A under EGSM with the ARFCN list = {988, 990, 1003}. |          |
| Parameter Name             | Parameter Value                                                                      | Comments |
| sapi                       | C_Sap0                                                                               |          |
| logic_ch                   | ch                                                                                   |          |
| msg                        | SysInf2bis                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                      |          |

| ASP Constraint Declaration |                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInfo3_MM(bcch: LOGICCH; ci: CI; lai: LAI; ccd: CCD; csp: CSP; rachcpar: RACHCP) |          |
| <b>ASP Type:</b>           | DL_UdatRqSysinfo3                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                    |          |
| <b>Comments:</b>           |                                                                                    |          |
| Parameter Name             | Parameter Value                                                                    | Comments |
| sapi                       | C_Sap0                                                                             |          |
| logic_ch                   | bcch                                                                               |          |
| msg                        | SysInf3_MM(ci, lai, ccd, csp, rachcpar)                                            |          |
| <b>Detailed Comments:</b>  |                                                                                    |          |

| ASP Constraint Declaration |                                                                                                                              |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInfo3(ch:LOGICCH; ci:CI; mnc, lac:OCTETSTRING; ccd:CCD; co:CO; crh, mtmc:INTEGER; neci:B_1; maxtx:B_2; txint:B_4; re:B_1) |          |
| <b>ASP Type:</b>           | DL_UdatRqSysinfo3                                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                                              |          |
| <b>Comments:</b>           |                                                                                                                              |          |
| Parameter Name             | Parameter Value                                                                                                              | Comments |
| sapi                       | C_Sap0                                                                                                                       |          |
| logic_ch                   | ch                                                                                                                           |          |
| msg                        | SysInf3(ci, mnc, lac, ccd, co, crh, mtmc, neci, maxtx, txint, re)                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                              |          |

| ASP Constraint Declaration |                                                                                        |          |
|----------------------------|----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInfo3_07(ch:LOGICCH; ci: CI; lai: LAI; ccd: CCD; co:CO; csp: CSP; rachcpar: RACHCP) |          |
| <b>ASP Type:</b>           | DL_UdatRqSysinfo3                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                        |          |
| <b>Comments:</b>           | To send SYSTEM INFORMATION TYPE3.                                                      |          |
| Parameter Name             | Parameter Value                                                                        | Comments |
| sapi                       | C_Sap0                                                                                 |          |
| logic_ch                   | ch                                                                                     |          |
| msg                        | SysInf3_07(ci, lai, ccd, co, csp, rachcpar)                                            |          |
| <b>Detailed Comments:</b>  |                                                                                        |          |

| ASP Constraint Declaration |                                                                                                           |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInfo3_inv_01                                                                                           |          |
| <b>ASP Type:</b>           | DL_UdatRqSysinfo3                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                           |          |
| <b>Comments:</b>           | To send a SYSTEM INFORMATION message containing new location area and rest octets which are not all '2B'0 |          |
| Parameter Name             | Parameter Value                                                                                           | Comments |
| sapi                       | C_Sap0                                                                                                    |          |
| logic_ch                   | C_BCCH_A_1                                                                                                |          |
| msg                        | SysInf3_inv_01                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                           |          |

| ASP Constraint Declaration |                                                                  |          |
|----------------------------|------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInfo4_MM(bcch: LOGICCH; lai: LAI; csp: CSP; rachcpar: RACHCP) |          |
| <b>ASP Type:</b>           | DL_UdatRqSysinfo4                                                |          |
| <b>Derivation Path:</b>    |                                                                  |          |
| <b>Comments:</b>           | To send a SYSTEM INFORMATION TYPE 4 message.                     |          |
| Parameter Name             | Parameter Value                                                  | Comments |
| sapi                       | C_Sap0                                                           |          |
| logic_ch                   | bcch                                                             |          |
| msg                        | SysInf4_MM(lai, csp, rachcpar)                                   |          |
| <b>Detailed Comments:</b>  |                                                                  |          |

| ASP Constraint Declaration |                                                                                                       |          |
|----------------------------|-------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInfo4(ch:LOGICCH; mnc, lac:OCTETSTRING; crh, mtmc:INTEGER; neci:B_1; maxtx:B_2; txint:B_4; re:B_1) |          |
| <b>ASP Type:</b>           | DL_UdatRqSysinfo4                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                       |          |
| <b>Comments:</b>           | To send a default SYSTEM INFORMATION TYPE 4 message                                                   |          |
| Parameter Name             | Parameter Value                                                                                       | Comments |
| sapi                       | C_Sap0                                                                                                |          |
| logic_ch                   | ch                                                                                                    |          |
| msg                        | SysInf4(mnc, lac, crh, mtmc, neci, maxtx, txint, re)                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                       |          |

| <b>ASP Constraint Declaration</b> |                                                                                                                       |          |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | SysInfo4_CBMS(ch:LOGICCH; mnc, lac:OCTETSTRING; crh, mtmc:INTEGER; neci:B_1; maxtx:B_2; txint:B_4; re:B_1; cbchd:CHD) |          |
| <b>ASP Type:</b>                  | DL_UdatRqSysinfo4                                                                                                     |          |
| <b>Derivation Path:</b>           |                                                                                                                       |          |
| <b>Comments:</b>                  | To send a SYSTEM INFORMATION TYPE 4 message for SMSCB with the values or GSM 11.10, 34.3                              |          |
| Parameter Name                    | Parameter Value                                                                                                       | Comments |
| sapi                              | C_Sap0                                                                                                                |          |
| logic_ch                          | ch                                                                                                                    |          |
| msg                               | SysInf4_CBMS(mnc, lac, crh, mtmc, neci, maxtx,txint, re, cbchd)                                                       |          |
| <b>Detailed Comments:</b>         |                                                                                                                       |          |

| <b>ASP Constraint Declaration</b> |                                                                                     |          |
|-----------------------------------|-------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | SysInfo4_inv_01                                                                     |          |
| <b>ASP Type:</b>                  | DL_UdatRqSysinfo4                                                                   |          |
| <b>Derivation Path:</b>           |                                                                                     |          |
| <b>Comments:</b>                  | To send a SYSTEM INFORMATION message containing rest octets which are not all '2B'O |          |
| Parameter Name                    | Parameter Value                                                                     | Comments |
| sapi                              | C_Sap0                                                                              |          |
| logic_ch                          | C_BCCH_A_1                                                                          |          |
| msg                               | SysInf4_inv_01                                                                      |          |
| <b>Detailed Comments:</b>         |                                                                                     |          |

| <b>ASP Constraint Declaration</b> |                                                     |          |
|-----------------------------------|-----------------------------------------------------|----------|
| <b>Constraint Name:</b>           | SysInfo5(sacch: LOGICCH; sysinfo5_pdu:SYSINFO5_PDU) |          |
| <b>ASP Type:</b>                  | DL_UdatRqSysinfo5                                   |          |
| <b>Derivation Path:</b>           |                                                     |          |
| <b>Comments:</b>                  | To send a SYSTEM INFORMATION TYPE 5 message.        |          |
| Parameter Name                    | Parameter Value                                     | Comments |
| sapi                              | C_Sap0                                              |          |
| logic_ch                          | sacch                                               |          |
| msg                               | sysinfo5_pdu                                        |          |
| <b>Detailed Comments:</b>         |                                                     |          |

| <b>ASP Constraint Declaration</b> |                                              |          |
|-----------------------------------|----------------------------------------------|----------|
| <b>Constraint Name:</b>           | SysInfo5_MM(sacch: LOGICCH; bcchfl: NCD)     |          |
| <b>ASP Type:</b>                  | DL_UdatRqSysinfo5                            |          |
| <b>Derivation Path:</b>           |                                              |          |
| <b>Comments:</b>                  | To send a SYSTEM INFORMATION TYPE 5 message. |          |
| Parameter Name                    | Parameter Value                              | Comments |
| sapi                              | C_Sap0                                       |          |
| logic_ch                          | sacch                                        |          |
| msg                               | SysInf5_MM(bcchfl)                           |          |
| <b>Detailed Comments:</b>         |                                              |          |

| ASP Constraint Declaration |                                                                                                                                       |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInfo5_01(ch:LOGICCH; bcchfl: NCD)                                                                                                  |          |
| <b>ASP Type:</b>           | DL_UdatRqSysinfo5                                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                                       |          |
| <b>Comments:</b>           | To send the default SYSTEM INFORMATION TYPE 5 message containing default neighbour cells description. This is used in GSM900 testing. |          |
| Parameter Name             | Parameter Value                                                                                                                       | Comments |
| sapi                       | C_Sap0                                                                                                                                |          |
| logic_ch                   | ch                                                                                                                                    |          |
| msg                        | SysInf5(bcchfl)                                                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                                                       |          |

| ASP Constraint Declaration |                                                              |          |
|----------------------------|--------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInfo5bis(sacch: LOGICCH; sysinfo5bis_pdu:SYSINFO5bis_PDU) |          |
| <b>ASP Type:</b>           | DL_UdatRqSysinfo5bis                                         |          |
| <b>Derivation Path:</b>    |                                                              |          |
| <b>Comments:</b>           | To send a SYSTEM INFORMATION TYPE 5bis message.              |          |
| Parameter Name             | Parameter Value                                              | Comments |
| sapi                       | C_Sap0                                                       |          |
| logic_ch                   | sacch                                                        |          |
| msg                        | sysinfo5bis_pdu                                              |          |
| <b>Detailed Comments:</b>  |                                                              |          |

| ASP Constraint Declaration                                    |                                                                                                                                              |          |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>                                       | SysInfo5bis_01(ch :LOGICCH; bcchfl: NCD)                                                                                                     |          |
| <b>ASP Type:</b>                                              | DL_UdatRqSysinfo5bis                                                                                                                         |          |
| <b>Derivation Path:</b>                                       |                                                                                                                                              |          |
| <b>Comments:</b>                                              | To send the SYSTEM INFORMATION TYPE 5bis message containing partial neighbour cells description. This is used in GSM900 measurement testing. |          |
| Parameter Name                                                | Parameter Value                                                                                                                              | Comments |
| sapi                                                          | C_Sap0                                                                                                                                       |          |
| logic_ch                                                      | ch                                                                                                                                           |          |
| msg                                                           | SysInf5bis_01(bcchfl)                                                                                                                        |          |
| <b>Detailed Comments:</b> Used in TC_26_6_3_1 and TC_26_6_3_4 |                                                                                                                                              |          |

| ASP Constraint Declaration |                                                     |          |
|----------------------------|-----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInfo6(sacch: LOGICCH; sysinfo6_pdu:SYSINFO6_PDU) |          |
| <b>ASP Type:</b>           | DL_UdatRqSysinfo6                                   |          |
| <b>Derivation Path:</b>    |                                                     |          |
| <b>Comments:</b>           | To send a SYSTEM INFORMATION TYPE 6 message.        |          |
| Parameter Name             | Parameter Value                                     | Comments |
| sapi                       | C_Sap0                                              |          |
| logic_ch                   | sacch                                               |          |
| msg                        | sysinfo6_pdu                                        |          |
| <b>Detailed Comments:</b>  |                                                     |          |

| ASP Constraint Declaration |                                                      |          |
|----------------------------|------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInfo6_MM(sacch: LOGICCH; ci: CI; lai: LAI; co:CO) |          |
| <b>ASP Type:</b>           | DL_UdatRqSysinfo6                                    |          |
| <b>Derivation Path:</b>    |                                                      |          |
| <b>Comments:</b>           | To send a SYSTEM INFORMATION TYPE 6 message.         |          |
| Parameter Name             | Parameter Value                                      | Comments |
| sapi                       | C_Sap0                                               |          |
| logic_ch                   | sacch                                                |          |
| msg                        | SysInf6_MM(ci, lai, co)                              |          |
| <b>Detailed Comments:</b>  |                                                      |          |

| ASP Constraint Declaration |                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInfo6_01(ch:LOGICCH; ci:CI; mnc, lac:OCTETSTRING; co:CO)                          |          |
| <b>ASP Type:</b>           | DL_UdatRqSysinfo6                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                      |          |
| <b>Comments:</b>           | To send the default SYSTEM INFORMATION TYPE 6 message containing default parameters. |          |
| Parameter Name             | Parameter Value                                                                      | Comments |
| sapi                       | C_Sap0                                                                               |          |
| logic_ch                   | ch                                                                                   |          |
| msg                        | SysInf6(ci, mnc, lac, co)                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                      |          |

| ASP Constraint Declaration |                                                          |          |
|----------------------------|----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | TmsiReallocCmd_01(par:MI; ch: LOGICCH; lac: OCTETSTRING) |          |
| <b>ASP Type:</b>           | DL_DatRqTmsireCmd                                        |          |
| <b>Derivation Path:</b>    |                                                          |          |
| <b>Comments:</b>           | To send a TMSI REALLOCATION COMMAND message.             |          |
| Parameter Name             | Parameter Value                                          | Comments |
| sapi                       | C_Sap0                                                   |          |
| logic_ch                   | ch                                                       |          |
| msg                        | TmsiReallocCmd(par, lac)                                 |          |
| <b>Detailed Comments:</b>  |                                                          |          |

| ASP Constraint Declaration |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | TmsiReallocCmp_01                                |          |
| <b>ASP Type:</b>           | DL_DatInTmsireCom                                |          |
| <b>Derivation Path:</b>    |                                                  |          |
| <b>Comments:</b>           | To receive a TMSI REALLOCATION COMPLETE message. |          |
| Parameter Name             | Parameter Value                                  | Comments |
| sapi                       | C_Sap0                                           |          |
| logic_ch                   | ?                                                |          |
| msg                        | TmsiReallocComp                                  |          |
| fn                         | ?                                                |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| ASP Constraint Declaration |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | TmsiReallocCmp_02(ch:LOGICCH)                    |          |
| <b>ASP Type:</b>           | DL_DatInTmsireCom                                |          |
| <b>Derivation Path:</b>    |                                                  |          |
| <b>Comments:</b>           | To receive a TMSI REALLOCATION COMPLETE message. |          |
| Parameter Name             | Parameter Value                                  | Comments |
| sapi                       | C_Sap0                                           |          |
| logic_ch                   | ch                                               |          |
| msg                        | TmsiReallocComp                                  |          |
| fn                         | ?                                                |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| ASP Constraint Declaration |                                      |          |
|----------------------------|--------------------------------------|----------|
| <b>Constraint Name:</b>    | Undef(ch: LOGICCH; pdu: CONN_PDU)    |          |
| <b>ASP Type:</b>           | DL_DatRqUndefCC                      |          |
| <b>Derivation Path:</b>    |                                      |          |
| <b>Comments:</b>           | To send an undefined Layer 3 message |          |
| Parameter Name             | Parameter Value                      | Comments |
| sapi                       | C_Sap0                               |          |
| logic_ch                   | ch                                   |          |
| msg                        | pdu                                  |          |
| <b>Detailed Comments:</b>  |                                      |          |

| ASP Constraint Declaration |                                 |          |
|----------------------------|---------------------------------|----------|
| <b>Constraint Name:</b>    | Undef_01(ch: LOGICCH)           |          |
| <b>ASP Type:</b>           | DL_DatRqUndefCC                 |          |
| <b>Derivation Path:</b>    |                                 |          |
| <b>Comments:</b>           | To send an undefined CC message |          |
| Parameter Name             | Parameter Value                 | Comments |
| sapi                       | C_Sap0                          |          |
| logic_ch                   | ch                              |          |
| msg                        | UndefCC_02(TI_02)               |          |
| <b>Detailed Comments:</b>  |                                 |          |

| ASP Constraint Declaration |                                 |          |
|----------------------------|---------------------------------|----------|
| <b>Constraint Name:</b>    | Undef_02(ch:LOGICCH)            |          |
| <b>ASP Type:</b>           | DL_DatRqUndefMM                 |          |
| <b>Derivation Path:</b>    |                                 |          |
| <b>Comments:</b>           | To send an undefined MM message |          |
| Parameter Name             | Parameter Value                 | Comments |
| sapi                       | C_Sap0                          |          |
| logic_ch                   | ch                              |          |
| msg                        | UndefMM_01                      |          |
| <b>Detailed Comments:</b>  |                                 |          |

| ASP Constraint Declaration |                                 |          |
|----------------------------|---------------------------------|----------|
| <b>Constraint Name:</b>    | Undef_03(ch: LOGICCH)           |          |
| <b>ASP Type:</b>           | DL_DatRqUndefRR                 |          |
| <b>Derivation Path:</b>    |                                 |          |
| <b>Comments:</b>           | To send an undefined RR message |          |
| Parameter Name             | Parameter Value                 | Comments |
| sapi                       | C_Sap0                          |          |
| logic_ch                   | ch                              |          |
| msg                        | UndefRR_01                      |          |
| <b>Detailed Comments:</b>  |                                 |          |

| ASP Constraint Declaration |                                                                        |          |
|----------------------------|------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Unknown_01(ch: LOGICCH)                                                |          |
| <b>ASP Type:</b>           | DL_DatRqUnknown                                                        |          |
| <b>Derivation Path:</b>    |                                                                        |          |
| <b>Comments:</b>           | To send an unknown CC message which is coded like a CC STATUS ENQUIRY. |          |
| Parameter Name             | Parameter Value                                                        | Comments |
| sapi                       | C_Sap0                                                                 |          |
| logic_ch                   | ch                                                                     |          |
| msg                        | UnknownMsg_01                                                          |          |
| <b>Detailed Comments:</b>  |                                                                        |          |

| ASP Constraint Declaration |                                                                        |          |
|----------------------------|------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Unknown_02(ch: LOGICCH)                                                |          |
| <b>ASP Type:</b>           | DL_DatRqUnknown                                                        |          |
| <b>Derivation Path:</b>    |                                                                        |          |
| <b>Comments:</b>           | To send an unknown CC message which is coded like a CC STATUS ENQUIRY. |          |
| Parameter Name             | Parameter Value                                                        | Comments |
| sapi                       | C_Sap0                                                                 |          |
| logic_ch                   | ch                                                                     |          |
| msg                        | UnknownMsg_02                                                          |          |
| <b>Detailed Comments:</b>  |                                                                        |          |

| ASP Constraint Declaration |                                                                                                                    |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | DatInCpData(message:CP_DATA_PDU)                                                                                   |          |
| <b>ASP Type:</b>           | DL_DatInCpData                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                    |          |
| <b>Comments:</b>           | The ASP is used to indicate the receipt of the SMS CP DATA message using acknowledged operation (L2 -> L3) for MT. |          |
| Parameter Name             | Parameter Value                                                                                                    | Comments |
| sapi                       | C_Sap3                                                                                                             |          |
| logic_ch                   | ?                                                                                                                  |          |
| msg                        | message                                                                                                            |          |
| fn                         | ?                                                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                                    |          |

| ASP Constraint Declaration |                                                                                                                    |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | DatInCpData_01(message:CP_DATA_PDU; ch:LOGICCH)                                                                    |          |
| <b>ASP Type:</b>           | DL_DatInCpData                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                    |          |
| <b>Comments:</b>           | The ASP is used to indicate the receipt of the SMS CP DATA message using acknowledged operation (L2 -> L3) for MT. |          |
| Parameter Name             | Parameter Value                                                                                                    | Comments |
| sapi                       | C_Sap3                                                                                                             |          |
| logic_ch                   | ch                                                                                                                 |          |
| msg                        | message                                                                                                            |          |
| fn                         | ?                                                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                                    |          |

| ASP Constraint Declaration |                                                                                                            |          |
|----------------------------|------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | DatRqCpData(message:CP_DATA_PDU; ch: LOGICCH)                                                              |          |
| <b>ASP Type:</b>           | DL_DatRqCpData                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                            |          |
| <b>Comments:</b>           | ASP to request the transmission of the SMS CP DATA message using acknowledged operation (L3 -> L2) for MO. |          |
| Parameter Name             | Parameter Value                                                                                            | Comments |
| sapi                       | C_Sap3                                                                                                     |          |
| logic_ch                   | ch                                                                                                         |          |
| msg                        | message                                                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                                            |          |

| ASP Constraint Declaration |                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | DatInCpDataAck(message:CPDATA_ACK_PDU)                                                                       |          |
| <b>ASP Type:</b>           | DL_DatInCpDataAck                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                              |          |
| <b>Comments:</b>           | The ASP is used to indicate the receipt of the SMS CP DATA message using acknowledged operation (L2 -> L3) . |          |
| Parameter Name             | Parameter Value                                                                                              | Comments |
| sapi                       | C_Sap3                                                                                                       |          |
| logic_ch                   | ?                                                                                                            |          |
| msg                        | message                                                                                                      |          |
| fn                         | ?                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                              |          |

| ASP Constraint Declaration |                                                                                                                 |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | DatRqCpDataAck(message:CPDATA_ACK_PDU; ch: LOGICCH)                                                             |          |
| <b>ASP Type:</b>           | DL_DatRqCpDataAck                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                 |          |
| <b>Comments:</b>           | The ASP is used to request the transmission of the SMS CP DATA message using acknowledged operation (L3 -> L2). |          |
| Parameter Name             | Parameter Value                                                                                                 | Comments |
| sapi                       | C_Sap3                                                                                                          |          |
| logic_ch                   | ch                                                                                                              |          |
| msg                        | message                                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                                                 |          |



| ASP Constraint Declaration |                                                                                                             |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | DatRqCpError_01(message:CPERR_PDU; ch: LOGICCH)                                                             |          |
| <b>ASP Type:</b>           | DL_DatRqCpError                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                             |          |
| <b>Comments:</b>           | ASP to request the transmission of the SMS CP ERROR message using acknowledged operation (L3 -> L2) for MO. |          |
| Parameter Name             | Parameter Value                                                                                             | Comments |
| sapi                       | C_Sap3                                                                                                      |          |
| logic_ch                   | ch                                                                                                          |          |
| msg                        | message                                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                                             |          |

## PDU constraint declarations

### TTCN PDU constraint declarations

| PDU Constraint Declaration |                                                                          |          |
|----------------------------|--------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Alerting_01(Ti :TI)                                                      |          |
| <b>PDU Type:</b>           | ALERT_PDU                                                                |          |
| <b>Derivation Path:</b>    |                                                                          |          |
| <b>Comments:</b>           | An ALERTING message containing mandatory IE's only to be sent to the MS. |          |
| Field Name                 | Field Value                                                              | Comments |
| ti                         | Ti                                                                       |          |
| ccpd                       | '0011'B                                                                  |          |
| mt                         | '00000001'B                                                              |          |
| fi                         | OMIT                                                                     |          |
| pi                         | OMIT                                                                     |          |
| uu                         | OMIT                                                                     |          |
| ssvi                       | OMIT                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                          |          |

| PDU Constraint Declaration |                                                                  |          |
|----------------------------|------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Alerting_04(Ti :TI)                                              |          |
| <b>PDU Type:</b>           | ALERT_PDU                                                        |          |
| <b>Derivation Path:</b>    |                                                                  |          |
| <b>Comments:</b>           | An ALERTING message containing facility IE to be sent to the MS. |          |
| Field Name                 | Field Value                                                      | Comments |
| ti                         | Ti                                                               |          |
| ccpd                       | '0011'B                                                          |          |
| mt                         | '00000001'B                                                      |          |
| fi                         | facilityIE_37                                                    |          |
| pi                         | OMIT                                                             |          |
| uu                         | OMIT                                                             |          |
| ssvi                       | OMIT                                                             |          |
| <b>Detailed Comments:</b>  |                                                                  |          |

| PDU Constraint Declaration |                                       |          |
|----------------------------|---------------------------------------|----------|
| <b>Constraint Name:</b>    | AlertingInd_01                        |          |
| <b>PDU Type:</b>           | ALERT_PDU                             |          |
| <b>Derivation Path:</b>    |                                       |          |
| <b>Comments:</b>           | To match an received ALERTING message |          |
| Field Name                 | Field Value                           | Comments |
| ti                         | Tl_01                                 |          |
| ccpd                       | '0011'B                               |          |
| mt                         | '0?000001'B                           |          |
| fie                        | *                                     |          |
| pi                         | OMIT                                  |          |
| uu                         | *                                     |          |
| ssvi                       | *                                     |          |
| <b>Detailed Comments:</b>  |                                       |          |

| PDU Constraint Declaration |                                       |          |
|----------------------------|---------------------------------------|----------|
| <b>Constraint Name:</b>    | AlertingInd_02(Ti:Tl)                 |          |
| <b>PDU Type:</b>           | ALERT_PDU                             |          |
| <b>Derivation Path:</b>    |                                       |          |
| <b>Comments:</b>           | To match an received ALERTING message |          |
| Field Name                 | Field Value                           | Comments |
| ti                         | Ti                                    |          |
| ccpd                       | '0011'B                               |          |
| mt                         | '0?000001'B                           |          |
| fie                        | *                                     |          |
| pi                         | OMIT                                  |          |
| uu                         | *                                     |          |
| ssvi                       | *                                     |          |
| <b>Detailed Comments:</b>  |                                       |          |

| PDU Constraint Declaration |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_sdcch4(ch:BITSTRING; slot:SN; tsc:TSC; cphms:CPHMS)                     |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                 |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message assigning a SDCCH4 subchannel<br>TSPX_SDCCH4SubC. |          |
| Field Name                 | Field Value                                                                     | Comments |
| ski                        | '0000'B                                                                         |          |
| rrpd                       | '0110'B                                                                         |          |
| mt                         | '00101110'B                                                                     |          |
| ch1d_at                    | ChDescrp_r04(ch, slot, tsc)                                                     |          |
| pcmd                       | Pcmd_19('01001'B)                                                               |          |
| frql_at                    | OMIT                                                                            |          |
| cchd                       | OMIT                                                                            |          |
| ch1mod                     | OMIT                                                                            |          |
| ch2d_at                    | OMIT                                                                            |          |
| ch2mod                     | OMIT                                                                            |          |
| ma_at                      | OMIT                                                                            |          |
| strt                       | OMIT                                                                            |          |
| frql_bt                    | OMIT                                                                            |          |
| ch1d_bt                    | OMIT                                                                            |          |
| ch2d_bt                    | OMIT                                                                            |          |
| frqchs_bt                  | OMIT                                                                            |          |
| ma_bt                      | OMIT                                                                            |          |
| cphms                      | cphms                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| PDU Constraint Declaration |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_dsdccch4(ch:BITSTRING; slot:SN; tsc:TSC; cphms:CPHMS)                   |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                 |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message assigning a SDCCH4 subchannel<br>TSPX_SDCCH4SubC. |          |
| Field Name                 | Field Value                                                                     | Comments |
| ski                        | '0000'B                                                                         |          |
| rrpd                       | '0110'B                                                                         |          |
| mt                         | '00101110'B                                                                     |          |
| ch1d_at                    | ChDescrp_r04d(ch, slot, tsc)                                                    |          |
| pcmd                       | Pcmd_19('01001'B)                                                               |          |
| frql_at                    | OMIT                                                                            |          |
| cchd                       | OMIT                                                                            |          |
| ch1mod                     | OMIT                                                                            |          |
| ch2d_at                    | OMIT                                                                            |          |
| ch2mod                     | OMIT                                                                            |          |
| ma_at                      | OMIT                                                                            |          |
| strt                       | OMIT                                                                            |          |
| frql_bt                    | OMIT                                                                            |          |
| ch1d_bt                    | OMIT                                                                            |          |
| ch2d_bt                    | OMIT                                                                            |          |
| frqchs_bt                  | OMIT                                                                            |          |
| ma_bt                      | OMIT                                                                            |          |
| cphms                      | cphms                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| PDU Constraint Declaration |                                |          |
|----------------------------|--------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_tchf(slot:SN; tsc:TSC) |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                    |          |
| <b>Derivation Path:</b>    |                                |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message. |          |
| Field Name                 | Field Value                    | Comments |
| ski                        | '0000'B                        |          |
| rrpd                       | '0110'B                        |          |
| mt                         | '00101110'B                    |          |
| ch1d_at                    | ChDescrp_r02(slot, tsc)        |          |
| pcmd                       | Pcmd_19('01001'B)              |          |
| frql_at                    | OMIT                           |          |
| cchd                       | OMIT                           |          |
| ch1mod                     | OMIT                           |          |
| ch2d_at                    | OMIT                           |          |
| ch2mod                     | OMIT                           |          |
| ma_at                      | OMIT                           |          |
| strt                       | OMIT                           |          |
| frql_bt                    | OMIT                           |          |
| ch1d_bt                    | OMIT                           |          |
| ch2d_bt                    | OMIT                           |          |
| frqchs_bt                  | OMIT                           |          |
| ma_bt                      | OMIT                           |          |
| cphms                      | OMIT                           |          |
| <b>Detailed Comments:</b>  |                                |          |

| PDU Constraint Declaration |                                      |          |
|----------------------------|--------------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_tchf_fh_01(slot:SN; tsc:TSC) |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                          |          |
| <b>Derivation Path:</b>    |                                      |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message        |          |
| Field Name                 | Field Value                          | Comments |
| ski                        | '0000'B                              |          |
| rrpd                       | '0110'B                              |          |
| mt                         | '00101110'B                          |          |
| ch1d_at                    | ChDescrp_12(slot,tsc)                |          |
| pcmd                       | Pcmd_19('00111'B)                    |          |
| frql_at                    | OMIT                                 |          |
| cchd                       | OMIT                                 |          |
| ch1mod                     | OMIT                                 |          |
| ch2d_at                    | OMIT                                 |          |
| ch2mod                     | OMIT                                 |          |
| ma_at                      | MobIAllc_04                          |          |
| strt                       | OMIT                                 |          |
| frql_bt                    | OMIT                                 |          |
| ch1d_bt                    | OMIT                                 |          |
| ch2d_bt                    | OMIT                                 |          |
| frqchs_bt                  | OMIT                                 |          |
| ma_bt                      | OMIT                                 |          |
| cphms                      | OMIT                                 |          |
| <b>Detailed Comments:</b>  | used in TC_26_6_4_2_2                |          |

| PDU Constraint Declaration |                                      |          |
|----------------------------|--------------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_tchf_fh_02(slot:SN; tsc:TSC) |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                          |          |
| <b>Derivation Path:</b>    |                                      |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message        |          |
| Field Name                 | Field Value                          | Comments |
| ski                        | '0000'B                              |          |
| rrpd                       | '0110'B                              |          |
| mt                         | '00101110'B                          |          |
| ch1d_at                    | ChDescrp_13(slot,tsc)                |          |
| pcmd                       | Pcmd_19('00111'B)                    |          |
| frql_at                    | OMIT                                 |          |
| cchd                       | OMIT                                 |          |
| ch1mod                     | OMIT                                 |          |
| ch2d_at                    | OMIT                                 |          |
| ch2mod                     | OMIT                                 |          |
| ma_at                      | MobIAllc_04                          |          |
| strt                       | OMIT                                 |          |
| frql_bt                    | OMIT                                 |          |
| ch1d_bt                    | OMIT                                 |          |
| ch2d_bt                    | OMIT                                 |          |
| frqchs_bt                  | OMIT                                 |          |
| ma_bt                      | OMIT                                 |          |
| cphms                      | OMIT                                 |          |
| <b>Detailed Comments:</b>  | used in TC_26_6_4_2_2                |          |

| PDU Constraint Declaration |                                 |          |
|----------------------------|---------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_dtchf(slot:SN; tsc:TSC) |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                     |          |
| <b>Derivation Path:</b>    |                                 |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message.  |          |
| Field Name                 | Field Value                     | Comments |
| ski                        | '0000'B                         |          |
| rrpd                       | '0110'B                         |          |
| mt                         | '00101110'B                     |          |
| ch1d_at                    | ChDescrp_r02(slot, tsc)         |          |
| pcmd                       | Pcmd_19('00011'B)               |          |
| frql_at                    | OMIT                            |          |
| cchd                       | OMIT                            |          |
| ch1mod                     | OMIT                            |          |
| ch2d_at                    | OMIT                            |          |
| ch2mod                     | OMIT                            |          |
| ma_at                      | OMIT                            |          |
| strt                       | OMIT                            |          |
| frql_bt                    | OMIT                            |          |
| ch1d_bt                    | OMIT                            |          |
| ch2d_bt                    | OMIT                            |          |
| frqchs_bt                  | OMIT                            |          |
| ma_bt                      | OMIT                            |          |
| cphms                      | OMIT                            |          |
| <b>Detailed Comments:</b>  |                                 |          |

| PDU Constraint Declaration |                                                 |          |
|----------------------------|-------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_tchh(subch:BITSTRING; slot:SN; tsc:TSC) |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                                     |          |
| <b>Derivation Path:</b>    |                                                 |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message.                  |          |
| Field Name                 | Field Value                                     | Comments |
| ski                        | '0000'B                                         |          |
| rrpd                       | '0110'B                                         |          |
| mt                         | '00101110'B                                     |          |
| ch1d_at                    | ChDescrp_r03(subch, slot, tsc)                  |          |
| pcmd                       | Pcmd_19('01001'B)                               |          |
| frql_at                    | OMIT                                            |          |
| cchd                       | OMIT                                            |          |
| ch1mod                     | OMIT                                            |          |
| ch2d_at                    | OMIT                                            |          |
| ch2mod                     | OMIT                                            |          |
| ma_at                      | OMIT                                            |          |
| strt                       | OMIT                                            |          |
| frql_bt                    | OMIT                                            |          |
| ch1d_bt                    | OMIT                                            |          |
| ch2d_bt                    | OMIT                                            |          |
| frqchs_bt                  | OMIT                                            |          |
| ma_bt                      | OMIT                                            |          |
| cphms                      | OMIT                                            |          |
| <b>Detailed Comments:</b>  |                                                 |          |

| PDU Constraint Declaration |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_dtchh(subch:BITSTRING; slot:SN; tsc:TSC) |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                                      |          |
| <b>Derivation Path:</b>    |                                                  |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message.                   |          |
| Field Name                 | Field Value                                      | Comments |
| ski                        | '0000'B                                          |          |
| rrpd                       | '0110'B                                          |          |
| mt                         | '00101110'B                                      |          |
| ch1d_at                    | ChDescrp_r03d(subch, slot, tsc)                  |          |
| pcmd                       | Pcmd_19('01111'B)                                |          |
| frql_at                    | OMIT                                             |          |
| cchd                       | OMIT                                             |          |
| ch1mod                     | OMIT                                             |          |
| ch2d_at                    | OMIT                                             |          |
| ch2mod                     | OMIT                                             |          |
| ma_at                      | OMIT                                             |          |
| strt                       | OMIT                                             |          |
| frql_bt                    | OMIT                                             |          |
| ch1d_bt                    | OMIT                                             |          |
| ch2d_bt                    | OMIT                                             |          |
| frqchs_bt                  | OMIT                                             |          |
| ma_bt                      | OMIT                                             |          |
| cphms                      | OMIT                                             |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| PDU Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_21(ts_ccch: BITSTRING; par_arfcn: INTEGER)                        |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                                                               |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message assigning TCH/F non FH channel in any cell. |          |
| Field Name                 | Field Value                                                               | Comments |
| ski                        | '0000'B                                                                   |          |
| rrpd                       | '0110'B                                                                   |          |
| mt                         | '00101110'B                                                               |          |
| ch1d_at                    | ChDescrp_21(ts_ccch, par_arfcn)                                           |          |
| pcmd                       | Pcmd_19('01001'B)                                                         |          |
| frql_at                    | OMIT                                                                      |          |
| cchd                       | OMIT                                                                      |          |
| ch1mod                     | OMIT                                                                      |          |
| ch2d_at                    | OMIT                                                                      |          |
| ch2mod                     | OMIT                                                                      |          |
| ma_at                      | OMIT                                                                      |          |
| strt                       | OMIT                                                                      |          |
| frql_bt                    | OMIT                                                                      |          |
| ch1d_bt                    | OMIT                                                                      |          |
| ch2d_bt                    | OMIT                                                                      |          |
| frqchs_bt                  | OMIT                                                                      |          |
| ma_bt                      | OMIT                                                                      |          |
| cphms                      | OMIT                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| PDU Constraint Declaration |                                                                     |          |
|----------------------------|---------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_22(ts_ccch: SN; tsc:TSC; maio, hsn:BITSTRING; frql:FRQL)    |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                                                         |          |
| <b>Derivation Path:</b>    |                                                                     |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message assigning TCH/F FH channel in cell A. |          |
| Field Name                 | Field Value                                                         | Comments |
| ski                        | '0000'B                                                             |          |
| rrpd                       | '0110'B                                                             |          |
| mt                         | '00101110'B                                                         |          |
| ch1d_at                    | ChDescrp_20(ts_ccch, tsc, maio, hsn)                                |          |
| pcmd                       | Pcmd_19('01001'B)                                                   |          |
| frql_at                    | frql                                                                |          |
| cchd                       | OMIT                                                                |          |
| ch1mod                     | OMIT                                                                |          |
| ch2d_at                    | OMIT                                                                |          |
| ch2mod                     | OMIT                                                                |          |
| ma_at                      | OMIT                                                                |          |
| strt                       | OMIT                                                                |          |
| frql_bt                    | OMIT                                                                |          |
| ch1d_bt                    | OMIT                                                                |          |
| ch2d_bt                    | OMIT                                                                |          |
| frqchs_bt                  | OMIT                                                                |          |
| ma_bt                      | OMIT                                                                |          |
| cphms                      | OMIT                                                                |          |
| <b>Detailed Comments:</b>  |                                                                     |          |

| PDU Constraint Declaration |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_22d(ts_ccch: SN; tsc:TSC; maio, hsn:BITSTRING; frql:FRQL)               |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                 |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message assigning TCH/F FH channel in cell A for DCS1800. |          |
| Field Name                 | Field Value                                                                     | Comments |
| ski                        | '0000'B                                                                         |          |
| rrpd                       | '0110'B                                                                         |          |
| mt                         | '00101110'B                                                                     |          |
| ch1d_at                    | ChDescrp_20(ts_ccch, tsc, maio, hsn)                                            |          |
| pcmd                       | Pcmd_19('01111'B)                                                               |          |
| frql_at                    | frql                                                                            |          |
| cchd                       | OMIT                                                                            |          |
| ch1mod                     | OMIT                                                                            |          |
| ch2d_at                    | OMIT                                                                            |          |
| ch2mod                     | OMIT                                                                            |          |
| ma_at                      | OMIT                                                                            |          |
| strt                       | OMIT                                                                            |          |
| frql_bt                    | OMIT                                                                            |          |
| ch1d_bt                    | OMIT                                                                            |          |
| ch2d_bt                    | OMIT                                                                            |          |
| frqchs_bt                  | OMIT                                                                            |          |
| ma_bt                      | OMIT                                                                            |          |
| cphms                      | OMIT                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| PDU Constraint Declaration |                                                                                                            |          |
|----------------------------|------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_22_Ae1(ts_ccch: BITSTRING; par_chtype: BITSTRING; par_flist: OCTETSTRING; par_flistl: OCTETSTRING) |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                            |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message assigning TCH/F non FH channel in cell A for EGSM.                           |          |
| Field Name                 | Field Value                                                                                                | Comments |
| ski                        | '0000'B                                                                                                    |          |
| rrpd                       | '0110'B                                                                                                    |          |
| mt                         | '00101110'B                                                                                                |          |
| ch1d_at                    | ChDescrp_22e(ts_ccch, par_chtype)                                                                          |          |
| pcmd                       | Pcmd_19('01001'B)                                                                                          |          |
| frql_at                    | Frql_20_egsm(par_flist, par_flistl)                                                                        |          |
| cchd                       | OMIT                                                                                                       |          |
| ch1mod                     | OMIT                                                                                                       |          |
| ch2d_at                    | OMIT                                                                                                       |          |
| ch2mod                     | OMIT                                                                                                       |          |
| ma_at                      | OMIT                                                                                                       |          |
| strt                       | OMIT                                                                                                       |          |
| frql_bt                    | OMIT                                                                                                       |          |
| ch1d_bt                    | OMIT                                                                                                       |          |
| ch2d_bt                    | OMIT                                                                                                       |          |
| frqchs_bt                  | OMIT                                                                                                       |          |
| ma_bt                      | OMIT                                                                                                       |          |
| cphms                      | OMIT                                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                     |          |
|----------------------------|-----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_22_Ae2(ts_ccch: BITSTRING; par_chtype: BITSTRING; par_cchd: OCTETSTRING; par_ma: BITSTRING) |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                     |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message assigning TCH/F non FH channel in cell A for EGSM.                    |          |
| Field Name                 | Field Value                                                                                         | Comments |
| ski                        | '0000'B                                                                                             |          |
| rrpd                       | '0110'B                                                                                             |          |
| mt                         | '00101110'B                                                                                         |          |
| ch1d_at                    | ChDescrp_22e(ts_ccch, par_chtype)                                                                   |          |
| pcmd                       | Pcmd_19('01001'B)                                                                                   |          |
| frql_at                    | OMIT                                                                                                |          |
| cchd                       | CellChDes_20_Be(par_cchd)                                                                           |          |
| ch1mod                     | OMIT                                                                                                |          |
| ch2d_at                    | OMIT                                                                                                |          |
| ch2mod                     | OMIT                                                                                                |          |
| ma_at                      | MobAllc_20_Be1(par_ma)                                                                              |          |
| strt                       | OMIT                                                                                                |          |
| frql_bt                    | OMIT                                                                                                |          |
| ch1d_bt                    | OMIT                                                                                                |          |
| ch2d_bt                    | OMIT                                                                                                |          |
| frqchs_bt                  | OMIT                                                                                                |          |
| ma_bt                      | OMIT                                                                                                |          |
| cphms                      | OMIT                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                     |          |



| PDU Constraint Declaration |                                                                                                                       |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_22_Ae3(ts_ccch: BITSTRING; par_chtype:BITSTRING; par_cchd: OCTETSTRING; par_ma1:BITSTRING; par_ma2:BITSTRING) |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                       |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message assigning TCH/F non FH channel in cell A for EGSM.                                      |          |
| Field Name                 | Field Value                                                                                                           | Comments |
| ski                        | '0000'B                                                                                                               |          |
| rrpd                       | '0110'B                                                                                                               |          |
| mt                         | '00101110'B                                                                                                           |          |
| ch1d_at                    | ChDescrp_22e(ts_ccch, par_chtype)                                                                                     |          |
| pcmd                       | Pcmd_19('01001'B)                                                                                                     |          |
| frql_at                    | OMIT                                                                                                                  |          |
| cchd                       | CellChDes_20_Be(par_cchd)                                                                                             |          |
| ch1mod                     | OMIT                                                                                                                  |          |
| ch2d_at                    | OMIT                                                                                                                  |          |
| ch2mod                     | OMIT                                                                                                                  |          |
| ma_at                      | MoblAllc_20_Be2iei(par_ma1, par_ma2)                                                                                  |          |
| strt                       | OMIT                                                                                                                  |          |
| frql_bt                    | OMIT                                                                                                                  |          |
| ch1d_bt                    | OMIT                                                                                                                  |          |
| ch2d_bt                    | OMIT                                                                                                                  |          |
| frqchs_bt                  | OMIT                                                                                                                  |          |
| ma_bt                      | OMIT                                                                                                                  |          |
| cphms                      | OMIT                                                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                                       |          |

| PDU Constraint Declaration |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_23(ts_ccch: BITSTRING; par_arfcn: INTEGER)                               |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                  |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message assigning non hopping half rate channel in cell A. |          |
| Field Name                 | Field Value                                                                      | Comments |
| ski                        | '0000'B                                                                          |          |
| rrpd                       | '0110'B                                                                          |          |
| mt                         | '00101110'B                                                                      |          |
| ch1d_at                    | ChDescrp_23(ts_ccch, par_arfcn)                                                  |          |
| pcmd                       | Pcmd_19('01001'B)                                                                |          |
| frql_at                    | OMIT                                                                             |          |
| cchd                       | OMIT                                                                             |          |
| ch1mod                     | OMIT                                                                             |          |
| ch2d_at                    | OMIT                                                                             |          |
| ch2mod                     | OMIT                                                                             |          |
| ma_at                      | OMIT                                                                             |          |
| strt                       | OMIT                                                                             |          |
| frql_bt                    | OMIT                                                                             |          |
| ch1d_bt                    | OMIT                                                                             |          |
| ch2d_bt                    | OMIT                                                                             |          |
| frqchs_bt                  | OMIT                                                                             |          |
| ma_bt                      | OMIT                                                                             |          |
| cphms                      | OMIT                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |

| PDU Constraint Declaration |                                                                              |          |
|----------------------------|------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_24(ts_ccch: SN; tsc:TSC; maio, hsn:BITSTRING; frql:FRQL)             |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                                                                  |          |
| <b>Derivation Path:</b>    |                                                                              |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message assigning hopping half rate channel in cell A. |          |
| Field Name                 | Field Value                                                                  | Comments |
| ski                        | '0000'B                                                                      |          |
| rrpd                       | '0110'B                                                                      |          |
| mt                         | '00101110'B                                                                  |          |
| ch1d_at                    | ChDescrp_19(ts_ccch, tsc, maio, hsn)                                         |          |
| pcmd                       | Pcmd_19('01001'B)                                                            |          |
| frql_at                    | frql                                                                         |          |
| cchd                       | OMIT                                                                         |          |
| ch1mod                     | OMIT                                                                         |          |
| ch2d_at                    | OMIT                                                                         |          |
| ch2mod                     | OMIT                                                                         |          |
| ma_at                      | OMIT                                                                         |          |
| strt                       | OMIT                                                                         |          |
| frql_bt                    | OMIT                                                                         |          |
| ch1d_bt                    | OMIT                                                                         |          |
| ch2d_bt                    | OMIT                                                                         |          |
| frqchs_bt                  | OMIT                                                                         |          |
| ma_bt                      | OMIT                                                                         |          |
| cphms                      | OMIT                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                              |          |

| PDU Constraint Declaration |                                                                              |          |
|----------------------------|------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_24d(ts_ccch: SN; tsc:TSC; maio, hsn:BITSTRING; frql:FRQL)            |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                                                                  |          |
| <b>Derivation Path:</b>    |                                                                              |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message assigning hopping half rate channel in cell A. |          |
| Field Name                 | Field Value                                                                  | Comments |
| ski                        | '0000'B                                                                      |          |
| rrpd                       | '0110'B                                                                      |          |
| mt                         | '00101110'B                                                                  |          |
| ch1d_at                    | ChDescrp_19(ts_ccch, tsc, maio, hsn)                                         |          |
| pcmd                       | Pcmd_19('01111'B)                                                            |          |
| frql_at                    | frql                                                                         |          |
| cchd                       | OMIT                                                                         |          |
| ch1mod                     | OMIT                                                                         |          |
| ch2d_at                    | OMIT                                                                         |          |
| ch2mod                     | OMIT                                                                         |          |
| ma_at                      | OMIT                                                                         |          |
| strt                       | OMIT                                                                         |          |
| frql_bt                    | OMIT                                                                         |          |
| ch1d_bt                    | OMIT                                                                         |          |
| ch2d_bt                    | OMIT                                                                         |          |
| frqchs_bt                  | OMIT                                                                         |          |
| ma_bt                      | OMIT                                                                         |          |
| cphms                      | OMIT                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                              |          |

| PDU Constraint Declaration |                                                                                       |          |
|----------------------------|---------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_31(type:BITSTRING; mod:CHMOD; slot:SN; tsc:TSC)                               |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                       |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message. The channel mode and type are specified as parameters. |          |
| Field Name                 | Field Value                                                                           | Comments |
| ski                        | '0000'B                                                                               |          |
| rrpd                       | '0110'B                                                                               |          |
| mt                         | '00101110'B                                                                           |          |
| ch1d_at                    | ChDescrp_r05(type, slot, tsc)                                                         |          |
| pcmd                       | Pcmd_19('00111'B)                                                                     |          |
| frq_at                     | OMIT                                                                                  |          |
| cchd                       | OMIT                                                                                  |          |
| ch1mod                     | mod                                                                                   |          |
| ch2d_at                    | OMIT                                                                                  |          |
| ch2mod                     | OMIT                                                                                  |          |
| ma_at                      | OMIT                                                                                  |          |
| strt                       | OMIT                                                                                  |          |
| frq_bt                     | OMIT                                                                                  |          |
| ch1d_bt                    | OMIT                                                                                  |          |
| ch2d_bt                    | OMIT                                                                                  |          |
| frqchs_bt                  | OMIT                                                                                  |          |
| ma_bt                      | OMIT                                                                                  |          |
| cphms                      | OMIT                                                                                  |          |
| <b>Detailed Comments:</b>  | used iin CC testing                                                                   |          |

| PDU Constraint Declaration |                                                                                       |          |
|----------------------------|---------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_31d(type:BITSTRING; mod:CHMOD; slot:SN; tsc:TSC)                              |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                       |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message. The channel mode and type are specified as parameters. |          |
| Field Name                 | Field Value                                                                           | Comments |
| ski                        | '0000'B                                                                               |          |
| rrpd                       | '0110'B                                                                               |          |
| mt                         | '00101110'B                                                                           |          |
| ch1d_at                    | ChDescrp_r05d(type, slot, tsc)                                                        |          |
| pcmd                       | Pcmd_19('00011'B)                                                                     |          |
| frq_at                     | OMIT                                                                                  |          |
| cchd                       | OMIT                                                                                  |          |
| ch1mod                     | mod                                                                                   |          |
| ch2d_at                    | OMIT                                                                                  |          |
| ch2mod                     | OMIT                                                                                  |          |
| ma_at                      | OMIT                                                                                  |          |
| strt                       | OMIT                                                                                  |          |
| frq_bt                     | OMIT                                                                                  |          |
| ch1d_bt                    | OMIT                                                                                  |          |
| ch2d_bt                    | OMIT                                                                                  |          |
| frqchs_bt                  | OMIT                                                                                  |          |
| ma_bt                      | OMIT                                                                                  |          |
| cphms                      | OMIT                                                                                  |          |
| <b>Detailed Comments:</b>  | used iin CC testing                                                                   |          |

| PDU Constraint Declaration |                                                                  |          |
|----------------------------|------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_inv_01(slot:SN; tsc:TSC)                                 |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                                                      |          |
| <b>Derivation Path:</b>    |                                                                  |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message containing invalid skip identifier |          |
| Field Name                 | Field Value                                                      | Comments |
| ski                        | '0100'B                                                          |          |
| rrpd                       | '0110'B                                                          |          |
| mt                         | '00101110'B                                                      |          |
| ch1d_at                    | ChDescrp_r02Def( slot, tsc)                                      |          |
| pcmd                       | Pcmd_19('01001'B)                                                |          |
| frql_at                    | OMIT                                                             |          |
| cchd                       | OMIT                                                             |          |
| ch1mod                     | OMIT                                                             |          |
| ch2d_at                    | OMIT                                                             |          |
| ch2mod                     | OMIT                                                             |          |
| ma_at                      | OMIT                                                             |          |
| strt                       | OMIT                                                             |          |
| frql_bt                    | OMIT                                                             |          |
| ch1d_bt                    | OMIT                                                             |          |
| ch2d_bt                    | OMIT                                                             |          |
| frqchs_bt                  | OMIT                                                             |          |
| ma_bt                      | OMIT                                                             |          |
| cphms                      | OMIT                                                             |          |
| <b>Detailed Comments:</b>  |                                                                  |          |

| PDU Constraint Declaration |                                                                                     |          |
|----------------------------|-------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_inv_02(slot:SN; tsc:TSC)                                                    |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                     |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message containing IE unknown in the RR protocol. For GSM900. |          |
| Field Name                 | Field Value                                                                         | Comments |
| ski                        | '0000'B                                                                             |          |
| rrpd                       | '0110'B                                                                             |          |
| mt                         | '00101110'B                                                                         |          |
| ch1d_at                    | ChDescrp_11(slot, tsc)                                                              |          |
| pcmd                       | Pcmd_19('00111'B)                                                                   |          |
| frql_at                    | Frql_02                                                                             |          |
| cchd                       | CellChDes_12                                                                        |          |
| ch1mod                     | OMIT                                                                                |          |
| ch2d_at                    | UnknownIE                                                                           |          |
| ch2mod                     | OMIT                                                                                |          |
| ma_at                      | MobIAllic_02                                                                        |          |
| strt                       | OMIT                                                                                |          |
| frql_bt                    | OMIT                                                                                |          |
| ch1d_bt                    | OMIT                                                                                |          |
| ch2d_bt                    | OMIT                                                                                |          |
| frqchs_bt                  | OMIT                                                                                |          |
| ma_bt                      | OMIT                                                                                |          |
| cphms                      | OMIT                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                     |          |

| PDU Constraint Declaration |                                                |          |
|----------------------------|------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_r14(slot:SN; tsc:TSC; strt:STRT)       |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                                    |          |
| <b>Derivation Path:</b>    |                                                |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message defined by PIXIT |          |
| Field Name                 | Field Value                                    | Comments |
| ski                        | '0000'B                                        |          |
| rrpd                       | '0110'B                                        |          |
| mt                         | '00101110'B                                    |          |
| ch1d_at                    | ChDescrp_r29(slot, tsc)                        |          |
| pcmd                       | Pcmd_19(TSPX_PwrlvIA)                          |          |
| frql_at                    | OMIT                                           |          |
| cchd                       | OMIT                                           |          |
| ch1mod                     | ChMod_r01                                      |          |
| ch2d_at                    | OMIT                                           |          |
| ch2mod                     | OMIT                                           |          |
| ma_at                      | MoblAllc_r06                                   |          |
| strt                       | strt                                           |          |
| frql_bt                    | OMIT                                           |          |
| ch1d_bt                    | ChDescrp_r30(slot, tsc)                        |          |
| ch2d_bt                    | OMIT                                           |          |
| frqchs_bt                  | OMIT                                           |          |
| ma_bt                      | MoblAllc_r07                                   |          |
| cphms                      | OMIT                                           |          |
| <b>Detailed Comments:</b>  | used in TC_26_6_13_1 only.                     |          |

| PDU Constraint Declaration |                                                              |          |
|----------------------------|--------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_r15(slot:SN; tsc:TSC; slot2:SN; tsc2:TSC; strt:STRT) |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                                                  |          |
| <b>Derivation Path:</b>    |                                                              |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message defined by PIXIT               |          |
| Field Name                 | Field Value                                                  | Comments |
| ski                        | '0000'B                                                      |          |
| rrpd                       | '0110'B                                                      |          |
| mt                         | '00101110'B                                                  |          |
| ch1d_at                    | ChDescrp_r32(slot, tsc)                                      |          |
| pcmd                       | Pcmd_19(TSPX_PwrlvIB)                                        |          |
| frql_at                    | OMIT                                                         |          |
| cchd                       | OMIT                                                         |          |
| ch1mod                     | ChMod_r02                                                    |          |
| ch2d_at                    | OMIT                                                         |          |
| ch2mod                     | OMIT                                                         |          |
| ma_at                      | MoblAllc_r09                                                 |          |
| strt                       | strt                                                         |          |
| frql_bt                    | OMIT                                                         |          |
| ch1d_bt                    | ChDescrp_r30(slot2, tsc2)                                    |          |
| ch2d_bt                    | OMIT                                                         |          |
| frqchs_bt                  | OMIT                                                         |          |
| ma_bt                      | MoblAllc_r07                                                 |          |
| cphms                      | OMIT                                                         |          |
| <b>Detailed Comments:</b>  | used in TC_26_6_13_2 only.                                   |          |

| PDU Constraint Declaration |                                                |          |
|----------------------------|------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_r16(slot:SN; tsc:TSC; strt:STRT)       |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                                    |          |
| <b>Derivation Path:</b>    |                                                |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message defined by PIXIT |          |
| Field Name                 | Field Value                                    | Comments |
| ski                        | '0000'B                                        |          |
| rrpd                       | '0110'B                                        |          |
| mt                         | '00101110'B                                    |          |
| ch1d_at                    | ChDescrp_r35(slot, tsc)                        |          |
| pcmd                       | Pcmd_19(TSPX_PwrlvIC)                          |          |
| frql_at                    | OMIT                                           |          |
| cchd                       | OMIT                                           |          |
| ch1mod                     | ChMod_sign_iei                                 |          |
| ch2d_at                    | OMIT                                           |          |
| ch2mod                     | OMIT                                           |          |
| ma_at                      | MoblAllc_r12                                   |          |
| strt                       | strt                                           |          |
| frql_bt                    | OMIT                                           |          |
| ch1d_bt                    | ChDescrp_r36(slot, tsc)                        |          |
| ch2d_bt                    | OMIT                                           |          |
| frqchs_bt                  | OMIT                                           |          |
| ma_bt                      | MoblAllc_r13                                   |          |
| cphms                      | OMIT                                           |          |
| <b>Detailed Comments:</b>  | used in TC_26_6_13_3 only.                     |          |

| PDU Constraint Declaration |                                                |          |
|----------------------------|------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_r17(slot:SN; tsc:TSC; strt:STRT)       |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                                    |          |
| <b>Derivation Path:</b>    |                                                |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message defined by PIXIT |          |
| Field Name                 | Field Value                                    | Comments |
| ski                        | '0000'B                                        |          |
| rrpd                       | '0110'B                                        |          |
| mt                         | '00101110'B                                    |          |
| ch1d_at                    | ChDescrp_r39(slot, tsc)                        |          |
| pcmd                       | Pcmd_19(TSPX_PwrlvID)                          |          |
| frql_at                    | OMIT                                           |          |
| cchd                       | OMIT                                           |          |
| ch1mod                     | ChMod_sign_iei                                 |          |
| ch2d_at                    | OMIT                                           |          |
| ch2mod                     | OMIT                                           |          |
| ma_at                      | MoblAllc_r16                                   |          |
| strt                       | strt                                           |          |
| frql_bt                    | OMIT                                           |          |
| ch1d_bt                    | ChDescrp_r40(slot, tsc)                        |          |
| ch2d_bt                    | OMIT                                           |          |
| frqchs_bt                  | OMIT                                           |          |
| ma_bt                      | MoblAllc_r17                                   |          |
| cphms                      | OMIT                                           |          |
| <b>Detailed Comments:</b>  | used in TC_26_6_13_3 only.                     |          |

| PDU Constraint Declaration |                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_fh(slot:SN; tsc:TSC; par_pwlvl, maio, hsn:INTEGER; cchd:CCHD; chmod:CHMOD; ma:MA) |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                           |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message                                                             |          |
| Field Name                 | Field Value                                                                               | Comments |
| ski                        | '0000'B                                                                                   |          |
| rrpd                       | '0110'B                                                                                   |          |
| mt                         | '00101110'B                                                                               |          |
| ch1d_at                    | ChDescrp_fh(slot, tsc, maio, hsn)                                                         |          |
| pcmd                       | Pcmd_19(INT_TO_BIT(par_pwlvl, 5))                                                         |          |
| frql_at                    | OMIT                                                                                      |          |
| cchd                       | cchd                                                                                      |          |
| ch1mod                     | chmod                                                                                     |          |
| ch2d_at                    | OMIT                                                                                      |          |
| ch2mod                     | OMIT                                                                                      |          |
| ma_at                      | ma                                                                                        |          |
| strt                       | OMIT                                                                                      |          |
| frql_bt                    | OMIT                                                                                      |          |
| ch1d_bt                    | OMIT                                                                                      |          |
| ch2d_bt                    | OMIT                                                                                      |          |
| frqchs_bt                  | OMIT                                                                                      |          |
| ma_bt                      | OMIT                                                                                      |          |
| cphms                      | OMIT                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                           |          |

| PDU Constraint Declaration |                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_nfh(slot:SN; tsc:TSC; par_pwlvl, arfcn:INTEGER; cchd:CCHD; chmod:CHMOD; strt:STRT) |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                            |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message                                                              |          |
| Field Name                 | Field Value                                                                                | Comments |
| ski                        | '0000'B                                                                                    |          |
| rrpd                       | '0110'B                                                                                    |          |
| mt                         | '00101110'B                                                                                |          |
| ch1d_at                    | ChDescrp_nfh(slot, tsc, arfcn)                                                             |          |
| pcmd                       | Pcmd_19(INT_TO_BIT(par_pwlvl, 5))                                                          |          |
| frql_at                    | OMIT                                                                                       |          |
| cchd                       | cchd                                                                                       |          |
| ch1mod                     | chmod                                                                                      |          |
| ch2d_at                    | OMIT                                                                                       |          |
| ch2mod                     | OMIT                                                                                       |          |
| ma_at                      | OMIT                                                                                       |          |
| strt                       | strt                                                                                       |          |
| frql_bt                    | OMIT                                                                                       |          |
| ch1d_bt                    | OMIT                                                                                       |          |
| ch2d_bt                    | OMIT                                                                                       |          |
| frqchs_bt                  | OMIT                                                                                       |          |
| ma_bt                      | OMIT                                                                                       |          |
| cphms                      | OMIT                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                 |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_tchh_fh(subch:BITSTRING; slot:SN; tsc:TSC; par_pwlvl, maio, hsn:INTEGER; chmod:CHMOD; frql:FRQL; ma:MA) |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                 |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message                                                                                   |          |
| Field Name                 | Field Value                                                                                                     | Comments |
| ski                        | '0000'B                                                                                                         |          |
| rrpd                       | '0110'B                                                                                                         |          |
| mt                         | '00101110'B                                                                                                     |          |
| ch1d_at                    | ChDescrp_tchh_fh(subch, slot, tsc, maio, hsn)                                                                   |          |
| pcmd                       | Pcmd_19(INT_TO_BIT(par_pwlvl, 5))                                                                               |          |
| frql_at                    | frql                                                                                                            |          |
| cchd                       | OMIT                                                                                                            |          |
| ch1mod                     | chmod                                                                                                           |          |
| ch2d_at                    | OMIT                                                                                                            |          |
| ch2mod                     | OMIT                                                                                                            |          |
| ma_at                      | ma                                                                                                              |          |
| strt                       | OMIT                                                                                                            |          |
| frql_bt                    | OMIT                                                                                                            |          |
| ch1d_bt                    | OMIT                                                                                                            |          |
| ch2d_bt                    | OMIT                                                                                                            |          |
| frqchs_bt                  | OMIT                                                                                                            |          |
| ma_bt                      | OMIT                                                                                                            |          |
| cphms                      | OMIT                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                 |          |

| PDU Constraint Declaration |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmd_tchh_nfh(subch:BITSTRING; slot:SN; tsc:TSC; par_pwlvl, arfcn:INTEGER) |          |
| <b>PDU Type:</b>           | ASS_CMD_PDU                                                                   |          |
| <b>Derivation Path:</b>    |                                                                               |          |
| <b>Comments:</b>           | An ASSIGNMENT COMMAND message                                                 |          |
| Field Name                 | Field Value                                                                   | Comments |
| ski                        | '0000'B                                                                       |          |
| rrpd                       | '0110'B                                                                       |          |
| mt                         | '00101110'B                                                                   |          |
| ch1d_at                    | ChDescrp_tchh_nfh(subch, slot, tsc, arfcn)                                    |          |
| pcmd                       | Pcmd_19(INT_TO_BIT(par_pwlvl, 5))                                             |          |
| frql_at                    | OMIT                                                                          |          |
| cchd                       | OMIT                                                                          |          |
| ch1mod                     | OMIT                                                                          |          |
| ch2d_at                    | OMIT                                                                          |          |
| ch2mod                     | OMIT                                                                          |          |
| ma_at                      | OMIT                                                                          |          |
| strt                       | OMIT                                                                          |          |
| frql_bt                    | OMIT                                                                          |          |
| ch1d_bt                    | OMIT                                                                          |          |
| ch2d_bt                    | OMIT                                                                          |          |
| frqchs_bt                  | OMIT                                                                          |          |
| ma_bt                      | OMIT                                                                          |          |
| cphms                      | OMIT                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                               |          |



| PDU Constraint Declaration |                                                      |          |
|----------------------------|------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AsgnCmp_02                                           |          |
| <b>PDU Type:</b>           | ASS_COM_PDU                                          |          |
| <b>Derivation Path:</b>    |                                                      |          |
| <b>Comments:</b>           | An ASSIGNMENT COMPLETE message containing any cause. |          |
| Field Name                 | Field Value                                          | Comments |
| ski                        | '0000'B                                              |          |
| rrpd                       | '0110'B                                              |          |
| mt                         | '00101001'B                                          |          |
| rrcau                      | ?                                                    |          |
| <b>Detailed Comments:</b>  |                                                      |          |

| PDU Constraint Declaration |             |          |
|----------------------------|-------------|----------|
| <b>Constraint Name:</b>    | AssgnFI_01  |          |
| <b>PDU Type:</b>           | ASSFL_PDU   |          |
| <b>Derivation Path:</b>    |             |          |
| <b>Comments:</b>           |             |          |
| Field Name                 | Field Value | Comments |
| ski                        | '0000'B     |          |
| rrpd                       | '0110'B     |          |
| mt                         | '00101111'B |          |
| rrcau                      | ?           |          |
| <b>Detailed Comments:</b>  |             |          |

| PDU Constraint Declaration |             |          |
|----------------------------|-------------|----------|
| <b>Constraint Name:</b>    | AssgnFI_02  |          |
| <b>PDU Type:</b>           | ASSFL_PDU   |          |
| <b>Derivation Path:</b>    | AssgnFI_01. |          |
| <b>Comments:</b>           | #6F         |          |
| Field Name                 | Field Value | Comments |
| rrcau                      | '01101111'B |          |
| <b>Detailed Comments:</b>  |             |          |

| PDU Constraint Declaration |                                                                        |          |
|----------------------------|------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Abortmsg_01(par: REJCAU)                                               |          |
| <b>PDU Type:</b>           | ABRT_PDU                                                               |          |
| <b>Derivation Path:</b>    |                                                                        |          |
| <b>Comments:</b>           | An ABORT message with reject cause which should be given as parameter. |          |
| Field Name                 | Field Value                                                            | Comments |
| ski                        | '0000'B                                                                |          |
| mmpd                       | '0101'B                                                                |          |
| mt                         | '00101001'B                                                            |          |
| rejcau                     | par                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                        |          |

| PDU Constraint Declaration |                                                                                                                           |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AuthRequest_01                                                                                                            |          |
| <b>PDU Type:</b>           | AUTH_RQ_PDU                                                                                                               |          |
| <b>Derivation Path:</b>    | AuthRequest_01.                                                                                                           |          |
| <b>Comments:</b>           | An AUTHENTICATION REQUEST message containing default ciphering key sequence number and default challenge RAND from PIXIT. |          |
| Field Name                 | Field Value                                                                                                               | Comments |
| ski                        | '0000'B                                                                                                                   |          |
| mmpd                       | '0101'B                                                                                                                   |          |
| mt                         | '00010010'B                                                                                                               |          |
| shoot                      | '0000'B                                                                                                                   |          |
| cphksn                     | CphKeySN_01                                                                                                               |          |
| rand                       | TSPX_RANDDef                                                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                                                           |          |

| PDU Constraint Declaration |                                                                                                                              |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AuthRequest_02                                                                                                               |          |
| <b>PDU Type:</b>           | AUTH_RQ_PDU                                                                                                                  |          |
| <b>Derivation Path:</b>    | AuthRequest_01.                                                                                                              |          |
| <b>Comments:</b>           | An AUTHENTICATION REQUEST message containing ciphering key sequence number and RAND which are different from default values. |          |
| Field Name                 | Field Value                                                                                                                  | Comments |
| cphksn                     | CphKeySN_03                                                                                                                  |          |
| rand                       | TSPX_RANDB                                                                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                                                              |          |

| PDU Constraint Declaration |                                                                                                                                                                       |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AuthRequest_03                                                                                                                                                        |          |
| <b>PDU Type:</b>           | AUTH_RQ_PDU                                                                                                                                                           |          |
| <b>Derivation Path:</b>    | AuthRequest_01.                                                                                                                                                       |          |
| <b>Comments:</b>           | An AUTHENTICATION REQUEST message containing ciphering key sequence number and RAND which are different from default values and the value used by the AuthRequest_02. |          |
| Field Name                 | Field Value                                                                                                                                                           | Comments |
| cphksn                     | CphKeySN_04                                                                                                                                                           |          |
| rand                       | TSPX_RANDC                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                       |          |

| PDU Constraint Declaration |                                                                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AuthRequest_05                                                                                                                |          |
| <b>PDU Type:</b>           | AUTH_RQ_PDU                                                                                                                   |          |
| <b>Derivation Path:</b>    | AuthRequest_01.                                                                                                               |          |
| <b>Comments:</b>           | An AUTHENTICATION REQUEST message containing ciphering key sequence number and RAND from PIXIT different from default values. |          |
| Field Name                 | Field Value                                                                                                                   | Comments |
| cphksn                     | CphKeySN_05                                                                                                                   |          |
| rand                       | TSPX_RANDA                                                                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                                                               |          |

| PDU Constraint Declaration |                                                                                                                           |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AuthRequest_30(cksn: BITSTRING)                                                                                           |          |
| <b>PDU Type:</b>           | AUTH_RQ_PDU                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                           |          |
| <b>Comments:</b>           | An AUTHENTICATION REQUEST message containing default ciphering key sequence number and default challenge RAND from PIXIT. |          |
| Field Name                 | Field Value                                                                                                               | Comments |
| ski                        | '0000'B                                                                                                                   |          |
| mmpd                       | '0101'B                                                                                                                   |          |
| mt                         | '00010010'B                                                                                                               |          |
| shoct                      | '0000'B                                                                                                                   |          |
| cphksn                     | CphKeySN_07(cksn)                                                                                                         |          |
| rand                       | TSPX_RANDDef                                                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                                                           |          |

| PDU Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AuthRequest_inv_01                                                        |          |
| <b>PDU Type:</b>           | AUTH_RQ_PDU                                                               |          |
| <b>Derivation Path:</b>    | AuthRequest_01.                                                           |          |
| <b>Comments:</b>           | An invalid AUTHENTICATION REQUEST message containing arbitrary spare bits |          |
| Field Name                 | Field Value                                                               | Comments |
| shoct                      | '0101'B                                                                   |          |
| cphksn                     | CphKeySN_02                                                               |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| PDU Constraint Declaration |                                   |          |
|----------------------------|-----------------------------------|----------|
| <b>Constraint Name:</b>    | AuthReject_01                     |          |
| <b>PDU Type:</b>           | AUTH_REJ_PDU                      |          |
| <b>Derivation Path:</b>    |                                   |          |
| <b>Comments:</b>           | An AUTHENTICATION REJECT message. |          |
| Field Name                 | Field Value                       | Comments |
| ski                        | '0000'B                           |          |
| mmpd                       | '0101'B                           |          |
| mt                         | '00010001'B                       |          |
| <b>Detailed Comments:</b>  |                                   |          |

| PDU Constraint Declaration |                                                       |          |
|----------------------------|-------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | AuthResponse_01                                       |          |
| <b>PDU Type:</b>           | AUTH_RES_PDU                                          |          |
| <b>Derivation Path:</b>    |                                                       |          |
| <b>Comments:</b>           | An AUTHENTICATION RESPONSE message matching any SRES. |          |
| Field Name                 | Field Value                                           | Comments |
| ski                        | '0000'B                                               |          |
| mmpd                       | '0101'B                                               |          |
| mt                         | '0?010100'B                                           |          |
| sres                       | ?                                                     |          |
| <b>Detailed Comments:</b>  |                                                       |          |

| PDU Constraint Declaration |                                              |          |
|----------------------------|----------------------------------------------|----------|
| <b>Constraint Name:</b>    | CallConfirm_01                               |          |
| <b>PDU Type:</b>           | CALL_CO_PDU                                  |          |
| <b>Derivation Path:</b>    |                                              |          |
| <b>Comments:</b>           | a CALL CONFIRMED message with TI value = 000 |          |
| Field Name                 | Field Value                                  | Comments |
| ti                         | TI_01                                        |          |
| ccpd                       | '0011'B                                      |          |
| mt                         | '0?001000'B                                  |          |
| bcri                       | *                                            |          |
| bcap1                      | *                                            |          |
| bcap2                      | *                                            |          |
| cau                        | OMIT                                         |          |
| cccap                      | *                                            |          |
| <b>Detailed Comments:</b>  |                                              |          |

| PDU Constraint Declaration |                                          |          |
|----------------------------|------------------------------------------|----------|
| <b>Constraint Name:</b>    | CallConfirm_02(Ti:TI)                    |          |
| <b>PDU Type:</b>           | CALL_CO_PDU                              |          |
| <b>Derivation Path:</b>    |                                          |          |
| <b>Comments:</b>           | a CALL CONFIRMED message with cause #17. |          |
| Field Name                 | Field Value                              | Comments |
| ti                         | Ti                                       |          |
| ccpd                       | '0011'B                                  |          |
| mt                         | '0?001000'B                              |          |
| bcri                       | *                                        |          |
| bcap1                      | *                                        |          |
| bcap2                      | *                                        |          |
| cau                        | Cause_17                                 |          |
| cccap                      | *                                        |          |
| <b>Detailed Comments:</b>  |                                          |          |

| PDU Constraint Declaration |                                      |          |
|----------------------------|--------------------------------------|----------|
| <b>Constraint Name:</b>    | CallConfirm_20                       |          |
| <b>PDU Type:</b>           | CALL_CO_PDU                          |          |
| <b>Derivation Path:</b>    |                                      |          |
| <b>Comments:</b>           | a CALL CONFIRMED message with bearer |          |
| Field Name                 | Field Value                          | Comments |
| ti                         | TI_01                                |          |
| ccpd                       | '0011'B                              |          |
| mt                         | '0?001000'B                          |          |
| bcri                       | *                                    |          |
| bcap1                      | OMIT                                 |          |
| bcap2                      | OMIT                                 |          |
| cau                        | OMIT                                 |          |
| cccap                      | OMIT                                 |          |
| <b>Detailed Comments:</b>  |                                      |          |

| PDU Constraint Declaration |                                                      |          |
|----------------------------|------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CallProced_01(Ti:TI)                                 |          |
| <b>PDU Type:</b>           | CALL_PROC_PDU                                        |          |
| <b>Derivation Path:</b>    |                                                      |          |
| <b>Comments:</b>           | An CALL PROCEEDING message with mandatory IE's only. |          |
| Field Name                 | Field Value                                          | Comments |
| ti                         | Ti                                                   |          |
| ccpd                       | '0011'B                                              |          |
| mt                         | '00000010'B                                          |          |
| bcri                       | OMIT                                                 |          |
| bcap1                      | OMIT                                                 |          |
| bcap2                      | OMIT                                                 |          |
| fie                        | OMIT                                                 |          |
| pi                         | OMIT                                                 |          |
| <b>Detailed Comments:</b>  |                                                      |          |

| PDU Constraint Declaration |                                                                                     |          |
|----------------------------|-------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CallProced_02(Ti:TI)                                                                |          |
| <b>PDU Type:</b>           | CALL_PROC_PDU                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                     |          |
| <b>Comments:</b>           | An CALL PROCEEDING message with bearer capability 1 assigned in the send statement. |          |
| Field Name                 | Field Value                                                                         | Comments |
| ti                         | Ti                                                                                  |          |
| ccpd                       | '0011'B                                                                             |          |
| mt                         | '00000010'B                                                                         |          |
| bcri                       | OMIT                                                                                |          |
| bcap1                      | ?                                                                                   |          |
| bcap2                      | OMIT                                                                                |          |
| fie                        | OMIT                                                                                |          |
| pi                         | OMIT                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                     |          |

| PDU Constraint Declaration |                                                    |          |
|----------------------------|----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CallProced_03                                      |          |
| <b>PDU Type:</b>           | CALL_PROC_PDU                                      |          |
| <b>Derivation Path:</b>    |                                                    |          |
| <b>Comments:</b>           | An CALL PROCEEDING message without optionnal IE's. |          |
| Field Name                 | Field Value                                        | Comments |
| ti                         | ?                                                  |          |
| ccpd                       | '0011'B                                            |          |
| mt                         | '00000010'B                                        |          |
| bcri                       | ?                                                  |          |
| bcap1                      | ?                                                  |          |
| bcap2                      | ?                                                  |          |
| fie                        | OMIT                                               |          |
| pi                         | OMIT                                               |          |
| <b>Detailed Comments:</b>  |                                                    |          |

| PDU Constraint Declaration |                                |          |
|----------------------------|--------------------------------|----------|
| <b>Constraint Name:</b>    | CallProced_inv_02(Ti:TI)       |          |
| <b>PDU Type:</b>           | CALL_PROC_PDU                  |          |
| <b>Derivation Path:</b>    |                                |          |
| <b>Comments:</b>           | used as an invalid CC message. |          |
| Field Name                 | Field Value                    | Comments |
| ti                         | Ti                             |          |
| ccpd                       | '0011'B                        |          |
| mt                         | '00000010'B                    |          |
| bcri                       | '01011110'B                    |          |
| bcap1                      | Bcap_02                        |          |
| bcap2                      | OMIT                           |          |
| fie                        | OMIT                           |          |
| pi                         | OMIT                           |          |
| <b>Detailed Comments:</b>  |                                |          |

| PDU Constraint Declaration |                                                      |          |
|----------------------------|------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CCStatus_01(Ti:TI)                                   |          |
| <b>PDU Type:</b>           | CCST_PDU                                             |          |
| <b>Derivation Path:</b>    |                                                      |          |
| <b>Comments:</b>           | A CC STATUS message to match any received CC STATUS. |          |
| Field Name                 | Field Value                                          | Comments |
| ti                         | Ti                                                   |          |
| ccpd                       | '0011'B                                              |          |
| mt                         | '0?111101'B                                          |          |
| cau                        | ?                                                    |          |
| cst                        | ?                                                    |          |
| acst                       | *                                                    |          |
| <b>Detailed Comments:</b>  |                                                      |          |

| PDU Constraint Declaration |                                             |          |
|----------------------------|---------------------------------------------|----------|
| <b>Constraint Name:</b>    | CCStatus_02                                 |          |
| <b>PDU Type:</b>           | CCST_PDU                                    |          |
| <b>Derivation Path:</b>    |                                             |          |
| <b>Comments:</b>           | A STATUS message containing cause value #97 |          |
| Field Name                 | Field Value                                 | Comments |
| ti                         | TI_01                                       |          |
| ccpd                       | '0011'B                                     |          |
| mt                         | '0?111101'B                                 |          |
| cau                        | Cause_02                                    |          |
| cst                        | ?                                           |          |
| acst                       | *                                           |          |
| <b>Detailed Comments:</b>  |                                             |          |

| PDU Constraint Declaration |                                              |          |
|----------------------------|----------------------------------------------|----------|
| <b>Constraint Name:</b>    | CCStatus_03(Ti:TI)                           |          |
| <b>PDU Type:</b>           | CCST_PDU                                     |          |
| <b>Derivation Path:</b>    | CCStatus_01.                                 |          |
| <b>Comments:</b>           | CC STATUS message containing cause value #98 |          |
| Field Name                 | Field Value                                  | Comments |
| ti                         | Ti                                           |          |
| cau                        | Cause_03                                     |          |
| <b>Detailed Comments:</b>  |                                              |          |

| PDU Constraint Declaration |                                                |          |
|----------------------------|------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CCStatus_04(Ti:TI)                             |          |
| <b>PDU Type:</b>           | CCST_PDU                                       |          |
| <b>Derivation Path:</b>    | CCStatus_01.                                   |          |
| <b>Comments:</b>           | A CC STATUS message containing cause value #96 |          |
| Field Name                 | Field Value                                    | Comments |
| ti                         | Ti                                             |          |
| cau                        | Cause_04                                       |          |
| <b>Detailed Comments:</b>  |                                                |          |

| PDU Constraint Declaration |                                                                                         |          |
|----------------------------|-----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CCStatus_08(Ti:TI; st:INTEGER)                                                          |          |
| <b>PDU Type:</b>           | CCST_PDU                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                         |          |
| <b>Comments:</b>           | A CC STATUS message to match a received CC STATUS containing CC state 'st', cause = #97 |          |
| Field Name                 | Field Value                                                                             | Comments |
| ti                         | Ti                                                                                      |          |
| ccpd                       | '0011'B                                                                                 |          |
| mt                         | '0?111101'B                                                                             |          |
| cau                        | Cause_02                                                                                |          |
| cst                        | CallState_01(st)                                                                        |          |
| acst                       | *                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                         |          |

| PDU Constraint Declaration |                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CCStatus_14(Ti:TI; st:INTEGER)                                                            |          |
| <b>PDU Type:</b>           | CCST_PDU                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                           |          |
| <b>Comments:</b>           | A CC STATUS message to match a received CC STATUS containing CC state = `st`, cause = #30 |          |
| Field Name                 | Field Value                                                                               | Comments |
| ti                         | Ti                                                                                        |          |
| ccpd                       | '0011'B                                                                                   |          |
| mt                         | '0?111101'B                                                                               |          |
| cau                        | Cause_18                                                                                  |          |
| cst                        | CallState_01(st)                                                                          |          |
| acst                       | *                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                           |          |

| PDU Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CCStatus_inv_01                                                   |          |
| <b>PDU Type:</b>           | CCST_PDU                                                          |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | A CC STATUS message without mandatory cause IE and call state IE. |          |
| Field Name                 | Field Value                                                       | Comments |
| ti                         | TI_02                                                             |          |
| ccpd                       | '0011'B                                                           |          |
| mt                         | '00111101'B                                                       |          |
| cau                        | OMIT                                                              |          |
| cst                        | OMIT                                                              |          |
| acst                       | OMIT                                                              |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| PDU Constraint Declaration |                          |          |
|----------------------------|--------------------------|----------|
| <b>Constraint Name:</b>    | CCStatusEq_01(Ti:Ti)     |          |
| <b>PDU Type:</b>           | CCST_ENQ_PDU             |          |
| <b>Derivation Path:</b>    |                          |          |
| <b>Comments:</b>           | A STATUS ENQUIRY message |          |
| Field Name                 | Field Value              | Comments |
| ti                         | Ti                       |          |
| ccpd                       | '0011'B                  |          |
| mt                         | '00110100'B              |          |
| <b>Detailed Comments:</b>  |                          |          |

| PDU Constraint Declaration |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | ChmomoAck_01(chmd:CHMOD; chd: CHD) |          |
| <b>PDU Type:</b>           | CHMMO_ACK_PDU                      |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           |                                    |          |
| Field Name                 | Field Value                        | Comments |
| ski                        | '0000'B                            |          |
| rrpd                       | '0110'B                            |          |
| mt                         | '00010111'B                        |          |
| chd                        | chd                                |          |
| chmod                      | chmd                               |          |
| <b>Detailed Comments:</b>  |                                    |          |

| PDU Constraint Declaration |                                   |          |
|----------------------------|-----------------------------------|----------|
| <b>Constraint Name:</b>    | ChmomoAck_02(chmd:CHMOD; chd:CHD) |          |
| <b>PDU Type:</b>           | CHMMO_ACK_PDU                     |          |
| <b>Derivation Path:</b>    |                                   |          |
| <b>Comments:</b>           |                                   |          |
| Field Name                 | Field Value                       | Comments |
| ski                        | '0000'B                           |          |
| rrpd                       | '0110'B                           |          |
| mt                         | '00010111'B                       |          |
| chd                        | chd                               |          |
| chmod                      | chmd                              |          |
| <b>Detailed Comments:</b>  |                                   |          |

| PDU Constraint Declaration |                                                           |          |
|----------------------------|-----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChmomoAck_08(type:BITSTRING; chmd:B_8; slot:SN; tsc :TSC) |          |
| <b>PDU Type:</b>           | CHMMO_ACK_PDU                                             |          |
| <b>Derivation Path:</b>    |                                                           |          |
| <b>Comments:</b>           |                                                           |          |
| Field Name                 | Field Value                                               | Comments |
| ski                        | '0000'B                                                   |          |
| rrpd                       | '0110'B                                                   |          |
| mt                         | '00010111'B                                               |          |
| chd                        | ChDescrp_14(type, slot, tsc)                              |          |
| chmod                      | ChMod_mand(chmd)                                          |          |
| <b>Detailed Comments:</b>  |                                                           |          |



| PDU Constraint Declaration |                                                                  |          |
|----------------------------|------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChmomoReq_01(chmd:CHMOD; chd:CHD)                                |          |
| <b>PDU Type:</b>           | CHMMO_PDU                                                        |          |
| <b>Derivation Path:</b>    |                                                                  |          |
| <b>Comments:</b>           | the channel being modified is default full rate traffic channel. |          |
| Field Name                 | Field Value                                                      | Comments |
| ski                        | '0000'B                                                          |          |
| rrpd                       | '0110'B                                                          |          |
| mt                         | '00010000'B                                                      |          |
| chd                        | chd                                                              |          |
| chmod                      | chmd                                                             |          |
| <b>Detailed Comments:</b>  |                                                                  |          |

| PDU Constraint Declaration |                                   |          |
|----------------------------|-----------------------------------|----------|
| <b>Constraint Name:</b>    | ChmomoReq_02(chmd:CHMOD; chd:CHD) |          |
| <b>PDU Type:</b>           | CHMMO_PDU                         |          |
| <b>Derivation Path:</b>    |                                   |          |
| <b>Comments:</b>           |                                   |          |
| Field Name                 | Field Value                       | Comments |
| ski                        | '0000'B                           |          |
| rrpd                       | '0110'B                           |          |
| mt                         | '00010000'B                       |          |
| chd                        | chd                               |          |
| chmod                      | chmd                              |          |
| <b>Detailed Comments:</b>  |                                   |          |

| PDU Constraint Declaration |                                                          |          |
|----------------------------|----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChmomoReq_07(type:BITSTRING; chmd:B_8; slot:SN; tsc:TSC) |          |
| <b>PDU Type:</b>           | CHMMO_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                          |          |
| <b>Comments:</b>           |                                                          |          |
| Field Name                 | Field Value                                              | Comments |
| ski                        | '0000'B                                                  |          |
| rrpd                       | '0110'B                                                  |          |
| mt                         | '00010000'B                                              |          |
| chd                        | ChDescrp_14(type, slot, tsc)                             |          |
| chmod                      | ChMod_mand(chmd)                                         |          |
| <b>Detailed Comments:</b>  |                                                          |          |

| PDU Constraint Declaration |                                                        |          |
|----------------------------|--------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChRelease_01                                           |          |
| <b>PDU Type:</b>           | CH_REL_PDU                                             |          |
| <b>Derivation Path:</b>    |                                                        |          |
| <b>Comments:</b>           | A CHANNEL RELEASE message with RR cause = normal event |          |
| Field Name                 | Field Value                                            | Comments |
| ski                        | '0000'B                                                |          |
| rrpd                       | '0110'B                                                |          |
| mt                         | '00001101'B                                            |          |
| rrcau                      | '00000000'B                                            |          |
| <b>Detailed Comments:</b>  |                                                        |          |

| PDU Constraint Declaration |                                                                  |          |
|----------------------------|------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChRelease_inv_01                                                 |          |
| <b>PDU Type:</b>           | CH_REL_PDU                                                       |          |
| <b>Derivation Path:</b>    | ChRelease_01.                                                    |          |
| <b>Comments:</b>           | An invalid CHANNEL RELEASE message without mandatory IE RR cause |          |
| Field Name                 | Field Value                                                      | Comments |
| rrcau                      | OMIT                                                             |          |
| <b>Detailed Comments:</b>  |                                                                  |          |

| PDU Constraint Declaration |                                                                  |          |
|----------------------------|------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChRelease_inv_02                                                 |          |
| <b>PDU Type:</b>           | CH_REL_PDU                                                       |          |
| <b>Derivation Path:</b>    | ChRelease_01.                                                    |          |
| <b>Comments:</b>           | A CHANNEL RELEASE message containing incorrect skip indicator 6. |          |
| Field Name                 | Field Value                                                      | Comments |
| ski                        | '0110'B                                                          |          |
| <b>Detailed Comments:</b>  |                                                                  |          |

| PDU Constraint Declaration |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChRelease_inv_03                                                              |          |
| <b>PDU Type:</b>           | CH_REL_PDU_ERR                                                                |          |
| <b>Derivation Path:</b>    |                                                                               |          |
| <b>Comments:</b>           | A CHANNEL RELEASE message containing additional IE unknown in the RR protocol |          |
| Field Name                 | Field Value                                                                   | Comments |
| ski                        | '0000'B                                                                       |          |
| rrpd                       | '0110'B                                                                       |          |
| mt                         | '00001101'B                                                                   |          |
| rrcau                      | '00000000'B                                                                   |          |
| add                        | '6205AA55EF6701'O                                                             |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| PDU Constraint Declaration |                                                                              |          |
|----------------------------|------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChRequest_01                                                                 |          |
| <b>PDU Type:</b>           | CH_RQ_PDU                                                                    |          |
| <b>Derivation Path:</b>    |                                                                              |          |
| <b>Comments:</b>           | A CHANNEL REQUEST message containing establishment cause = answer to paging. |          |
| Field Name                 | Field Value                                                                  | Comments |
| ecau_rrf                   | '100?????'B                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                              |          |

| PDU Constraint Declaration |                                               |          |
|----------------------------|-----------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChRequest_02                                  |          |
| <b>PDU Type:</b>           | CH_RQ_PDU                                     |          |
| <b>Derivation Path:</b>    |                                               |          |
| <b>Comments:</b>           | To match any received CHANNEL REQUEST message |          |
| Field Name                 | Field Value                                   | Comments |
| ecau_rrf                   | '????????'B                                   |          |
| <b>Detailed Comments:</b>  |                                               |          |

| PDU Constraint Declaration |                                                                                                                                                     |                 |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <b>Constraint Name:</b>    | ChRequest_03                                                                                                                                        |                 |
| <b>PDU Type:</b>           | CH_RQ_PDU                                                                                                                                           |                 |
| <b>Derivation Path:</b>    |                                                                                                                                                     |                 |
| <b>Comments:</b>           | To match the received CHANNEL REQUEST message containing establishment cause = '0001'B,<br>"other procedures which can be completed with an SDCCH". |                 |
| <b>Field Name</b>          | <b>Field Value</b>                                                                                                                                  | <b>Comments</b> |
| ecau_rrf                   | '0001????'B                                                                                                                                         |                 |
| <b>Detailed Comments:</b>  |                                                                                                                                                     |                 |

| PDU Constraint Declaration |                                                                                                                                               |                 |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <b>Constraint Name:</b>    | ChRequest_04                                                                                                                                  |                 |
| <b>PDU Type:</b>           | CH_RQ_PDU                                                                                                                                     |                 |
| <b>Derivation Path:</b>    |                                                                                                                                               |                 |
| <b>Comments:</b>           | To match the received CHANNEL REQUEST message which originates a call (establishment cause = '111'B), "Originating call and TCH/F is needed". |                 |
| <b>Field Name</b>          | <b>Field Value</b>                                                                                                                            | <b>Comments</b> |
| ecau_rrf                   | '111????'B                                                                                                                                    |                 |
| <b>Detailed Comments:</b>  |                                                                                                                                               |                 |

| PDU Constraint Declaration |                                                                                                                                                                                                             |                 |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <b>Constraint Name:</b>    | ChRequest_05                                                                                                                                                                                                |                 |
| <b>PDU Type:</b>           | CH_RQ_PDU                                                                                                                                                                                                   |                 |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                             |                 |
| <b>Comments:</b>           | To match the received CHANNEL REQUEST message containing establishment cause = '0100'B, "Originating speech call from dual-rate mobile station when TCH/H is sufficient and the network sets NECL bit to 1" |                 |
| <b>Field Name</b>          | <b>Field Value</b>                                                                                                                                                                                          | <b>Comments</b> |
| ecau_rrf                   | '0100????'B                                                                                                                                                                                                 |                 |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                             |                 |

| PDU Constraint Declaration |                                                                                                                       |                 |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------|
| <b>Constraint Name:</b>    | ChRequest_06                                                                                                          |                 |
| <b>PDU Type:</b>           | CH_RQ_PDU                                                                                                             |                 |
| <b>Derivation Path:</b>    |                                                                                                                       |                 |
| <b>Comments:</b>           | To match the received CHANNEL REQUEST message which originates a half rate data call (establishment cause = '0101'B). |                 |
| <b>Field Name</b>          | <b>Field Value</b>                                                                                                    | <b>Comments</b> |
| ecau_rrf                   | '0101????'B                                                                                                           |                 |
| <b>Detailed Comments:</b>  |                                                                                                                       |                 |

| PDU Constraint Declaration |                                                                                   |                 |
|----------------------------|-----------------------------------------------------------------------------------|-----------------|
| <b>Constraint Name:</b>    | ChRequest_07                                                                      |                 |
| <b>PDU Type:</b>           | CH_RQ_PDU                                                                         |                 |
| <b>Derivation Path:</b>    |                                                                                   |                 |
| <b>Comments:</b>           | To match the received CHANNEL REQUEST message with establishment cause = '0010'B. |                 |
| <b>Field Name</b>          | <b>Field Value</b>                                                                | <b>Comments</b> |
| ecau_rrf                   | '0010????'B                                                                       |                 |
| <b>Detailed Comments:</b>  |                                                                                   |                 |

| PDU Constraint Declaration |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChRequest_08                                                                      |          |
| <b>PDU Type:</b>           | CH_RQ_PDU                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                   |          |
| <b>Comments:</b>           | To match the received CHANNEL REQUEST message with establishment cause = '0011'B. |          |
| Field Name                 | Field Value                                                                       | Comments |
| ecau_rrf                   | '0011????'B                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| PDU Constraint Declaration |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChRequest_09                                                                     |          |
| <b>PDU Type:</b>           | CH_RQ_PDU                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                  |          |
| <b>Comments:</b>           | To match the received CHANNEL REQUEST message with establishment cause = '000'B. |          |
| Field Name                 | Field Value                                                                      | Comments |
| ecau_rrf                   | '000?????'B                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |

| PDU Constraint Declaration |                                                              |          |
|----------------------------|--------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChRequest_10                                                 |          |
| <b>PDU Type:</b>           | CH_RQ_PDU                                                    |          |
| <b>Derivation Path:</b>    |                                                              |          |
| <b>Comments:</b>           | A CHANNEL REQUEST message with establishment cause = '110'B. |          |
| Field Name                 | Field Value                                                  | Comments |
| ecau_rrf                   | '110?????'B                                                  |          |
| <b>Detailed Comments:</b>  |                                                              |          |

| PDU Constraint Declaration |                                                                                     |          |
|----------------------------|-------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChRequest_11                                                                        |          |
| <b>PDU Type:</b>           | CH_RQ_PDU                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                     |          |
| <b>Comments:</b>           | To match the received CHANNEL REQUEST message with establishment cause = '011010'B. |          |
| Field Name                 | Field Value                                                                         | Comments |
| ecau_rrf                   | '011010???'B                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                     |          |

| PDU Constraint Declaration |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChRequest_12                                                                     |          |
| <b>PDU Type:</b>           | CH_RQ_PDU                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                  |          |
| <b>Comments:</b>           | To match the received CHANNEL REQUEST message with establishment cause = '100'B. |          |
| Field Name                 | Field Value                                                                      | Comments |
| ecau_rrf                   | '100?????'B                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |

| PDU Constraint Declaration |                                                                                                        |          |
|----------------------------|--------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChRequest_13                                                                                           |          |
| <b>PDU Type:</b>           | CH_RQ_PDU                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                        |          |
| <b>Comments:</b>           | To match the received CHANNEL REQUEST message with establishment cause = '100'B or '0010'B or '0001'B. |          |
| Field Name                 | Field Value                                                                                            | Comments |
| ecau_rrf                   | ('100?????B, '0010?????B, '0001?????B)                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                        |          |

| PDU Constraint Declaration |                                                                                                        |          |
|----------------------------|--------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChRequest_14                                                                                           |          |
| <b>PDU Type:</b>           | CH_RQ_PDU                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                        |          |
| <b>Comments:</b>           | To match the received CHANNEL REQUEST message with establishment cause = '100'B or '0011'B or '0001'B. |          |
| Field Name                 | Field Value                                                                                            | Comments |
| ecau_rrf                   | ('100?????B, '0011?????B, '0001?????B)                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                        |          |

| PDU Constraint Declaration |                                                                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChRequest_15                                                                                                                     |          |
| <b>PDU Type:</b>           | CH_RQ_PDU                                                                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                                                                  |          |
| <b>Comments:</b>           | To match the received CHANNEL REQUEST message with establishment cause = '111'B or '0100'B or '0101'B --- initiate outgoing call |          |
| Field Name                 | Field Value                                                                                                                      | Comments |
| ecau_rrf                   | ('111?????B, '0100?????B, '0101?????B, '101?????B)                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                  |          |

| PDU Constraint Declaration |                                                                                                     |          |
|----------------------------|-----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChRequest_16                                                                                        |          |
| <b>PDU Type:</b>           | CH_RQ_PDU                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                     |          |
| <b>Comments:</b>           | To match the received CHANNEL REQUEST message with establishment cause = '101'B for emergency call. |          |
| Field Name                 | Field Value                                                                                         | Comments |
| ecau_rrf                   | '101?????B                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                                     |          |

| PDU Constraint Declaration |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChRequest_17                                                                     |          |
| <b>PDU Type:</b>           | CH_RQ_PDU                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                  |          |
| <b>Comments:</b>           | A CHANNEL REQUEST message containing establishment cause = 100, 0010, 0011, 0001 |          |
| Field Name                 | Field Value                                                                      | Comments |
| ecau_rrf                   | ('100?????B, '0010?????B, '0011?????B, '0001?????B)                              |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |

| PDU Constraint Declaration |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChRequest_18                                                                      |          |
| <b>PDU Type:</b>           | CH_RQ_PDU                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                   |          |
| <b>Comments:</b>           | To match the received CHANNEL REQUEST message with establishment cause = '0000'B. |          |
| Field Name                 | Field Value                                                                       | Comments |
| ecau_rrf                   | '0000????'B                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| PDU Constraint Declaration |                                                                                                                      |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ChRequest_19                                                                                                         |          |
| <b>PDU Type:</b>           | CH_RQ_PDU                                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                                      |          |
| <b>Comments:</b>           | To match the received CHANNEL REQUEST message with establishment cause = '111'B or '101'B --- initiate outgoing call |          |
| Field Name                 | Field Value                                                                                                          | Comments |
| ecau_rrf                   | ('111????'B, '101????'B)                                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                                                      |          |

| PDU Constraint Declaration |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ClassChange_01                                                                    |          |
| <b>PDU Type:</b>           | CLM_CHN_PDU                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                   |          |
| <b>Comments:</b>           | CLASSMARK CHANGE message containing classmark2 indicating original rf power class |          |
| Field Name                 | Field Value                                                                       | Comments |
| ski                        | '0000'B                                                                           |          |
| rrpd                       | '0110'B                                                                           |          |
| mt                         | '00010110'B                                                                       |          |
| msclm                      | TSPX_ClassMark2                                                                   |          |
| msclm_adi                  | OMIT                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| PDU Constraint Declaration |                                                                                                                     |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ClassChange_02                                                                                                      |          |
| <b>PDU Type:</b>           | CLM_CHN_PDU                                                                                                         |          |
| <b>Derivation Path:</b>    | ClassChange_01.                                                                                                     |          |
| <b>Comments:</b>           | CLASSMARK CHANGE message containing classmark2 indicating new rf power class due to addition of power amplification |          |
| Field Name                 | Field Value                                                                                                         | Comments |
| msclm                      | TSPX_ClassMark2Amp                                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                                     |          |

| PDU Constraint Declaration |                                                                                                            |          |
|----------------------------|------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ClassChange_03                                                                                             |          |
| <b>PDU Type:</b>           | CLM_CHN_PDU                                                                                                |          |
| <b>Derivation Path:</b>    | ClassChange_01.                                                                                            |          |
| <b>Comments:</b>           | CLASSMARK CHANGE message containing classmark2 indicating original rf power class and possible classmark3. |          |
| Field Name                 | Field Value                                                                                                | Comments |
| msclm                      | TSPX_ClassMark2                                                                                            |          |
| msclm_adi                  | TSPX_ClassMark3 IF_PRESENT                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                            |          |

| PDU Constraint Declaration |                 |          |
|----------------------------|-----------------|----------|
| <b>Constraint Name:</b>    | ClassMarkEnq_01 |          |
| <b>PDU Type:</b>           | CLM_ENQ_PDU     |          |
| <b>Derivation Path:</b>    |                 |          |
| <b>Comments:</b>           |                 |          |
| Field Name                 | Field Value     | Comments |
| ski                        | '0000'B         |          |
| rrpd                       | '0110'B         |          |
| mt                         | '00010011'B     |          |
| <b>Detailed Comments:</b>  |                 |          |

| PDU Constraint Declaration |                 |          |
|----------------------------|-----------------|----------|
| <b>Constraint Name:</b>    | CMReEstReq_02   |          |
| <b>PDU Type:</b>           | CMRE_RQ_PDU     |          |
| <b>Derivation Path:</b>    |                 |          |
| <b>Comments:</b>           |                 |          |
| Field Name                 | Field Value     | Comments |
| ski                        | '0000'B         |          |
| mmpd                       | '0101'B         |          |
| mt                         | '0?101000'B     |          |
| shoct                      | '0000'B         |          |
| cphksn                     | CphKeySN_05     |          |
| msclm                      | TSPX_ClassMark2 |          |
| mi                         | MiTmsi_01       |          |
| lai                        | LocAreald_01iei |          |
| <b>Detailed Comments:</b>  |                 |          |

| PDU Constraint Declaration |                 |          |
|----------------------------|-----------------|----------|
| <b>Constraint Name:</b>    | CMReEstReq_03   |          |
| <b>PDU Type:</b>           | CMRE_RQ_PDU     |          |
| <b>Derivation Path:</b>    |                 |          |
| <b>Comments:</b>           |                 |          |
| Field Name                 | Field Value     | Comments |
| ski                        | '0000'B         |          |
| mmpd                       | '0101'B         |          |
| mt                         | '0?101000'B     |          |
| shoct                      | '0000'B         |          |
| cphksn                     | CphKeySN_05     |          |
| msclm                      | TSPX_ClassMark2 |          |
| mi                         | Milmsi_31       |          |
| lai                        | LocAreald_01iei |          |
| <b>Detailed Comments:</b>  |                 |          |

| PDU Constraint Declaration |                             |          |
|----------------------------|-----------------------------|----------|
| <b>Constraint Name:</b>    | CMServiceAcp_01             |          |
| <b>PDU Type:</b>           | CMS_ACP_PDU                 |          |
| <b>Derivation Path:</b>    |                             |          |
| <b>Comments:</b>           | a CM SERVICE ACCEPT message |          |
| Field Name                 | Field Value                 | Comments |
| ski                        | '0000'B                     |          |
| mmpd                       | '0101'B                     |          |
| mt                         | '00100001'B                 |          |
| <b>Detailed Comments:</b>  |                             |          |

| PDU Constraint Declaration |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CMServiceRej_01                                               |          |
| <b>PDU Type:</b>           | CMS_REJ_PDU                                                   |          |
| <b>Derivation Path:</b>    |                                                               |          |
| <b>Comments:</b>           | reject cause = 'service or option not available, unspecified" |          |
| Field Name                 | Field Value                                                   | Comments |
| ski                        | '0000'B                                                       |          |
| mmpd                       | '0101'B                                                       |          |
| mt                         | '00100010'B                                                   |          |
| mmcau                      | '20'O                                                         |          |
| <b>Detailed Comments:</b>  |                                                               |          |

| PDU Constraint Declaration |                                    |          |
|----------------------------|------------------------------------|----------|
| <b>Constraint Name:</b>    | CMServiceRej_02                    |          |
| <b>PDU Type:</b>           | CMS_REJ_PDU                        |          |
| <b>Derivation Path:</b>    |                                    |          |
| <b>Comments:</b>           | reject cause = "IMEI not accepted" |          |
| Field Name                 | Field Value                        | Comments |
| ski                        | '0000'B                            |          |
| mmpd                       | '0101'B                            |          |
| mt                         | '00100010'B                        |          |
| mmcau                      | '05'O                              |          |
| <b>Detailed Comments:</b>  |                                    |          |

| PDU Constraint Declaration |                                               |          |
|----------------------------|-----------------------------------------------|----------|
| <b>Constraint Name:</b>    | CMServiceRej_03                               |          |
| <b>PDU Type:</b>           | CMS_REJ_PDU                                   |          |
| <b>Derivation Path:</b>    |                                               |          |
| <b>Comments:</b>           | reject cause = "Service Option not supported" |          |
| Field Name                 | Field Value                                   | Comments |
| ski                        | '0000'B                                       |          |
| mmpd                       | '0101'B                                       |          |
| mt                         | '00100010'B                                   |          |
| mmcau                      | '20'O                                         |          |
| <b>Detailed Comments:</b>  |                                               |          |

| PDU Constraint Declaration |                                  |          |
|----------------------------|----------------------------------|----------|
| <b>Constraint Name:</b>    | CMServiceRej_04                  |          |
| <b>PDU Type:</b>           | CMS_REJ_PDU                      |          |
| <b>Derivation Path:</b>    |                                  |          |
| <b>Comments:</b>           | reject cause = 'network failure" |          |
| Field Name                 | Field Value                      | Comments |
| ski                        | '0000'B                          |          |
| mmpd                       | '0101'B                          |          |
| mt                         | '00100010'B                      |          |
| mmcau                      | '11'O                            |          |
| <b>Detailed Comments:</b>  |                                  |          |



| PDU Constraint Declaration |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CMServiceRej_30(par: REJCAU)                                  |          |
| <b>PDU Type:</b>           | CMS_REJ_PDU                                                   |          |
| <b>Derivation Path:</b>    |                                                               |          |
| <b>Comments:</b>           | reject cause = 'service or option not available, unsepcified" |          |
| Field Name                 | Field Value                                                   | Comments |
| ski                        | '0000'B                                                       |          |
| mmpd                       | '0101'B                                                       |          |
| mt                         | '00100010'B                                                   |          |
| mmcau                      | par                                                           |          |
| <b>Detailed Comments:</b>  |                                                               |          |

| PDU Constraint Declaration |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CMServiceReq_01                                  |          |
| <b>PDU Type:</b>           | CMS_RQ_PDU                                       |          |
| <b>Derivation Path:</b>    |                                                  |          |
| <b>Comments:</b>           | To match any received CM SERVICE REQUEST message |          |
| Field Name                 | Field Value                                      | Comments |
| ski                        | '0000'B                                          |          |
| mmpd                       | '0101'B                                          |          |
| mt                         | '0?100100'B                                      |          |
| cphksn                     | ?                                                |          |
| svtype                     | ?                                                |          |
| msclm                      | ?                                                |          |
| mi                         | ?                                                |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| PDU Constraint Declaration |                                                                                                                          |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CMServiceReq_02                                                                                                          |          |
| <b>PDU Type:</b>           | CMS_RQ_PDU                                                                                                               |          |
| <b>Derivation Path:</b>    | CMServiceReq_01.                                                                                                         |          |
| <b>Comments:</b>           | To match a received CM SERVICE REQUEST message containing mobile station classmark 2 indicating new RF power capability. |          |
| Field Name                 | Field Value                                                                                                              | Comments |
| msclm                      | TSPX_ClassMark2Amp                                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                                          |          |

| PDU Constraint Declaration |                                                                                                                                                                                                 |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CMServiceReq_04                                                                                                                                                                                 |          |
| <b>PDU Type:</b>           | CMS_RQ_PDU                                                                                                                                                                                      |          |
| <b>Derivation Path:</b>    | CMServiceReq_01.                                                                                                                                                                                |          |
| <b>Comments:</b>           | To match a received CM SERVICE REQUEST message containing CM service type = "Mobile originating call establishment or packet mode connection establishment" or " emergency call establishment". |          |
| Field Name                 | Field Value                                                                                                                                                                                     | Comments |
| svtype                     | ('0001'B, '0010'B)                                                                                                                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                 |          |

| PDU Constraint Declaration |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CMServiceReq_05                                                                |          |
| <b>PDU Type:</b>           | CMS_RQ_PDU                                                                     |          |
| <b>Derivation Path:</b>    | CMServiceReq_01.                                                               |          |
| <b>Comments:</b>           | To match any received CM SERVICE REQUEST message for emergency call with IMEI. |          |
| Field Name                 | Field Value                                                                    | Comments |
| svtype                     | C_CMServiceTypeE                                                               |          |
| mi                         | Milmei_01                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| PDU Constraint Declaration |                                                                                                 |          |
|----------------------------|-------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CMServiceReq_06                                                                                 |          |
| <b>PDU Type:</b>           | CMS_RQ_PDU                                                                                      |          |
| <b>Derivation Path:</b>    | CMServiceReq_01.                                                                                |          |
| <b>Comments:</b>           | To match any received CM SERVICE REQUEST message for emergency call with TMSI and correct CKSN. |          |
| Field Name                 | Field Value                                                                                     | Comments |
| cphksn                     | CphKeySN_01                                                                                     |          |
| svtype                     | C_CMServiceTypeE                                                                                |          |
| mi                         | MiTmsi_01                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                 |          |

| PDU Constraint Declaration |                                                                                                                          |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CMServiceReq_07                                                                                                          |          |
| <b>PDU Type:</b>           | CMS_RQ_PDU                                                                                                               |          |
| <b>Derivation Path:</b>    | CMServiceReq_01.                                                                                                         |          |
| <b>Comments:</b>           | To match any received CM SERVICE REQUEST message for emergency call with IMEI and CKSN indicating "no key is available". |          |
| Field Name                 | Field Value                                                                                                              | Comments |
| cphksn                     | CphKeySN_06                                                                                                              |          |
| svtype                     | C_CMServiceTypeE                                                                                                         |          |
| msclm                      | TSPX_ClassMark2                                                                                                          |          |
| mi                         | Milmei_01                                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                                          |          |

| PDU Constraint Declaration |                                                                                                 |          |
|----------------------------|-------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CMServiceReq_08                                                                                 |          |
| <b>PDU Type:</b>           | CMS_RQ_PDU                                                                                      |          |
| <b>Derivation Path:</b>    | CMServiceReq_01.                                                                                |          |
| <b>Comments:</b>           | To match the received CM SERVICE REQUEST message indicating " supplementary service activation" |          |
| Field Name                 | Field Value                                                                                     | Comments |
| svtype                     | '1000'B                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                                 |          |

| PDU Constraint Declaration |                                                                                       |          |
|----------------------------|---------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CMServiceReq_09                                                                       |          |
| <b>PDU Type:</b>           | CMS_RQ_PDU                                                                            |          |
| <b>Derivation Path:</b>    | CMServiceReq_01.                                                                      |          |
| <b>Comments:</b>           | To match the received CM SERVICE REQUEST message indicating " short message transfer" |          |
| Field Name                 | Field Value                                                                           | Comments |
| svtype                     | '0100'B                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                       |          |

| PDU Constraint Declaration |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CMServiceReq_30(parexpected_mi: MI)              |          |
| <b>PDU Type:</b>           | CMS_RQ_PDU                                       |          |
| <b>Derivation Path:</b>    |                                                  |          |
| <b>Comments:</b>           | To match any received CM SERVICE REQUEST message |          |
| Field Name                 | Field Value                                      | Comments |
| ski                        | '0000'B                                          |          |
| mmpd                       | '0101'B                                          |          |
| mt                         | '0?100100'B                                      |          |
| cphksn                     | ?                                                |          |
| svtype                     | ?                                                |          |
| msclm                      | ?                                                |          |
| mi                         | parexpected_mi                                   |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| PDU Constraint Declaration |                                                      |          |
|----------------------------|------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CMServiceReq_31(parexpected_mi: MI; cksn: BITSTRING) |          |
| <b>PDU Type:</b>           | CMS_RQ_PDU                                           |          |
| <b>Derivation Path:</b>    |                                                      |          |
| <b>Comments:</b>           | To match any received CM SERVICE REQUEST message     |          |
| Field Name                 | Field Value                                          | Comments |
| ski                        | '0000'B                                              |          |
| mmpd                       | '0101'B                                              |          |
| mt                         | '0?100100'B                                          |          |
| cphksn                     | CphKeySN_07(cksn)                                    |          |
| svtype                     | '0010'B                                              |          |
| msclm                      | ?                                                    |          |
| mi                         | parexpected_mi                                       |          |
| <b>Detailed Comments:</b>  |                                                      |          |

| PDU Constraint Declaration |                                                      |          |
|----------------------------|------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CMServiceReq_32(parexpected_mi: MI; cksn: BITSTRING) |          |
| <b>PDU Type:</b>           | CMS_RQ_PDU                                           |          |
| <b>Derivation Path:</b>    |                                                      |          |
| <b>Comments:</b>           | To match any received CM SERVICE REQUEST message     |          |
| Field Name                 | Field Value                                          | Comments |
| ski                        | '0000'B                                              |          |
| mmpd                       | '0101'B                                              |          |
| mt                         | '0?100100'B                                          |          |
| cphksn                     | CphKeySN_07(cksn)                                    |          |
| svtype                     | ?                                                    |          |
| msclm                      | ?                                                    |          |
| mi                         | parexpected_mi                                       |          |
| <b>Detailed Comments:</b>  |                                                      |          |

| PDU Constraint Declaration |                                                |          |
|----------------------------|------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Connect_01                                     |          |
| <b>PDU Type:</b>           | CONN_PDU                                       |          |
| <b>Derivation Path:</b>    |                                                |          |
| <b>Comments:</b>           | CC CONNECT message matching any received value |          |
| Field Name                 | Field Value                                    | Comments |
| ti                         | TI_01                                          |          |
| ccpd                       | '0011'B                                        |          |
| mt                         | '0?000111'B                                    |          |
| fie                        | *                                              |          |
| pi                         | OMIT                                           |          |
| cnn                        | OMIT                                           |          |
| cns                        | *                                              |          |
| uu                         | *                                              |          |
| ssvi                       | *                                              |          |
| <b>Detailed Comments:</b>  |                                                |          |

| PDU Constraint Declaration |                                                    |          |
|----------------------------|----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Connect_02(Ti:TI)                                  |          |
| <b>PDU Type:</b>           | CONN_PDU                                           |          |
| <b>Derivation Path:</b>    |                                                    |          |
| <b>Comments:</b>           | CC CONNECT message containing mandatory IE's only. |          |
| Field Name                 | Field Value                                        | Comments |
| ti                         | Ti                                                 |          |
| ccpd                       | '0011'B                                            |          |
| mt                         | '00000111'B                                        |          |
| fie                        | OMIT                                               |          |
| pi                         | OMIT                                               |          |
| cnn                        | OMIT                                               |          |
| cns                        | OMIT                                               |          |
| uu                         | OMIT                                               |          |
| ssvi                       | OMIT                                               |          |
| <b>Detailed Comments:</b>  |                                                    |          |

| PDU Constraint Declaration |                                                 |          |
|----------------------------|-------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Connect_04(Ti:TI)                               |          |
| <b>PDU Type:</b>           | CONN_PDU                                        |          |
| <b>Derivation Path:</b>    |                                                 |          |
| <b>Comments:</b>           | CC CONNECT message containing AOCC information. |          |
| Field Name                 | Field Value                                     | Comments |
| ti                         | Ti                                              |          |
| ccpd                       | '0011'B                                         |          |
| mt                         | '00000111'B                                     |          |
| fie                        | facilityIE_06                                   |          |
| pi                         | OMIT                                            |          |
| cnn                        | OMIT                                            |          |
| cns                        | OMIT                                            |          |
| uu                         | OMIT                                            |          |
| ssvi                       | OMIT                                            |          |
| <b>Detailed Comments:</b>  |                                                 |          |

| PDU Constraint Declaration |                                            |          |
|----------------------------|--------------------------------------------|----------|
| <b>Constraint Name:</b>    | Connect_05(Ti:TI)                          |          |
| <b>PDU Type:</b>           | CONN_PDU                                   |          |
| <b>Derivation Path:</b>    |                                            |          |
| <b>Comments:</b>           | CC CONNECT message containing facility IE. |          |
| Field Name                 | Field Value                                | Comments |
| ti                         | Ti                                         |          |
| ccpd                       | '0011'B                                    |          |
| mt                         | '00000111'B                                |          |
| fie                        | facilityIE_38                              |          |
| pi                         | OMIT                                       |          |
| cnn                        | OMIT                                       |          |
| cns                        | OMIT                                       |          |
| uu                         | OMIT                                       |          |
| ssvi                       | OMIT                                       |          |
| <b>Detailed Comments:</b>  |                                            |          |

| PDU Constraint Declaration |                                            |          |
|----------------------------|--------------------------------------------|----------|
| <b>Constraint Name:</b>    | Connect_06(Ti:TI)                          |          |
| <b>PDU Type:</b>           | CONN_PDU                                   |          |
| <b>Derivation Path:</b>    |                                            |          |
| <b>Comments:</b>           | CC CONNECT message containing facility IE. |          |
| Field Name                 | Field Value                                | Comments |
| ti                         | Ti                                         |          |
| ccpd                       | '0011'B                                    |          |
| mt                         | '00000111'B                                |          |
| fie                        | facilityIE_40                              |          |
| pi                         | OMIT                                       |          |
| cnn                        | OMIT                                       |          |
| cns                        | OMIT                                       |          |
| uu                         | OMIT                                       |          |
| ssvi                       | OMIT                                       |          |
| <b>Detailed Comments:</b>  |                                            |          |

| PDU Constraint Declaration |                                            |          |
|----------------------------|--------------------------------------------|----------|
| <b>Constraint Name:</b>    | Connect_07(Ti:TI)                          |          |
| <b>PDU Type:</b>           | CONN_PDU                                   |          |
| <b>Derivation Path:</b>    |                                            |          |
| <b>Comments:</b>           | CC CONNECT message containing facility IE. |          |
| Field Name                 | Field Value                                | Comments |
| ti                         | Ti                                         |          |
| ccpd                       | '0011'B                                    |          |
| mt                         | '00000111'B                                |          |
| fie                        | facilityIE_41                              |          |
| pi                         | OMIT                                       |          |
| cnn                        | OMIT                                       |          |
| cns                        | OMIT                                       |          |
| uu                         | OMIT                                       |          |
| ssvi                       | OMIT                                       |          |
| <b>Detailed Comments:</b>  |                                            |          |

| PDU Constraint Declaration |                                            |          |
|----------------------------|--------------------------------------------|----------|
| <b>Constraint Name:</b>    | Connect_08(Ti:TI)                          |          |
| <b>PDU Type:</b>           | CONN_PDU                                   |          |
| <b>Derivation Path:</b>    |                                            |          |
| <b>Comments:</b>           | CC CONNECT message containing facility IE. |          |
| Field Name                 | Field Value                                | Comments |
| ti                         | Ti                                         |          |
| ccpd                       | '0011'B                                    |          |
| mt                         | '00000111'B                                |          |
| fie                        | facilityIE_42                              |          |
| pi                         | OMIT                                       |          |
| cnn                        | OMIT                                       |          |
| cns                        | OMIT                                       |          |
| uu                         | OMIT                                       |          |
| ssvi                       | OMIT                                       |          |
| <b>Detailed Comments:</b>  |                                            |          |

| PDU Constraint Declaration |                                            |          |
|----------------------------|--------------------------------------------|----------|
| <b>Constraint Name:</b>    | Connect_09(Ti:TI)                          |          |
| <b>PDU Type:</b>           | CONN_PDU                                   |          |
| <b>Derivation Path:</b>    |                                            |          |
| <b>Comments:</b>           | CC CONNECT message containing facility IE. |          |
| Field Name                 | Field Value                                | Comments |
| ti                         | Ti                                         |          |
| ccpd                       | '0011'B                                    |          |
| mt                         | '00000111'B                                |          |
| fie                        | facilityIE_43                              |          |
| pi                         | OMIT                                       |          |
| cnn                        | OMIT                                       |          |
| cns                        | OMIT                                       |          |
| uu                         | OMIT                                       |          |
| ssvi                       | OMIT                                       |          |
| <b>Detailed Comments:</b>  |                                            |          |

| PDU Constraint Declaration |                                            |          |
|----------------------------|--------------------------------------------|----------|
| <b>Constraint Name:</b>    | Connect_10(Ti:TI)                          |          |
| <b>PDU Type:</b>           | CONN_PDU                                   |          |
| <b>Derivation Path:</b>    |                                            |          |
| <b>Comments:</b>           | CC CONNECT message containing facility IE. |          |
| Field Name                 | Field Value                                | Comments |
| ti                         | Ti                                         |          |
| ccpd                       | '0011'B                                    |          |
| mt                         | '00000111'B                                |          |
| fie                        | facilityIE_44                              |          |
| pi                         | OMIT                                       |          |
| cnn                        | OMIT                                       |          |
| cns                        | OMIT                                       |          |
| uu                         | OMIT                                       |          |
| ssvi                       | OMIT                                       |          |
| <b>Detailed Comments:</b>  |                                            |          |

| PDU Constraint Declaration |                                            |          |
|----------------------------|--------------------------------------------|----------|
| <b>Constraint Name:</b>    | Connect_11(Ti:TI)                          |          |
| <b>PDU Type:</b>           | CONN_PDU                                   |          |
| <b>Derivation Path:</b>    |                                            |          |
| <b>Comments:</b>           | CC CONNECT message containing facility IE. |          |
| Field Name                 | Field Value                                | Comments |
| ti                         | Ti                                         |          |
| ccpd                       | '0011'B                                    |          |
| mt                         | '00000111'B                                |          |
| fie                        | facilityIE_55                              |          |
| pi                         | OMIT                                       |          |
| cnn                        | OMIT                                       |          |
| cns                        | OMIT                                       |          |
| uu                         | OMIT                                       |          |
| ssvi                       | OMIT                                       |          |
| <b>Detailed Comments:</b>  |                                            |          |

| PDU Constraint Declaration |                                            |          |
|----------------------------|--------------------------------------------|----------|
| <b>Constraint Name:</b>    | Connect_12(Ti:TI)                          |          |
| <b>PDU Type:</b>           | CONN_PDU                                   |          |
| <b>Derivation Path:</b>    |                                            |          |
| <b>Comments:</b>           | CC CONNECT message containing facility IE. |          |
| Field Name                 | Field Value                                | Comments |
| ti                         | Ti                                         |          |
| ccpd                       | '0011'B                                    |          |
| mt                         | '00000111'B                                |          |
| fie                        | facilityIE_56                              |          |
| pi                         | OMIT                                       |          |
| cnn                        | OMIT                                       |          |
| cns                        | OMIT                                       |          |
| uu                         | OMIT                                       |          |
| ssvi                       | OMIT                                       |          |
| <b>Detailed Comments:</b>  |                                            |          |

| PDU Constraint Declaration |                                            |          |
|----------------------------|--------------------------------------------|----------|
| <b>Constraint Name:</b>    | Connect_13(Ti:TI)                          |          |
| <b>PDU Type:</b>           | CONN_PDU                                   |          |
| <b>Derivation Path:</b>    |                                            |          |
| <b>Comments:</b>           | CC CONNECT message containing facility IE. |          |
| Field Name                 | Field Value                                | Comments |
| ti                         | Ti                                         |          |
| ccpd                       | '0011'B                                    |          |
| mt                         | '00000111'B                                |          |
| fie                        | facilityIE_57                              |          |
| pi                         | OMIT                                       |          |
| cnn                        | OMIT                                       |          |
| cns                        | OMIT                                       |          |
| uu                         | OMIT                                       |          |
| ssvi                       | OMIT                                       |          |
| <b>Detailed Comments:</b>  |                                            |          |

| PDU Constraint Declaration |                                           |          |
|----------------------------|-------------------------------------------|----------|
| <b>Constraint Name:</b>    | Connect_14(Ti:TI)                         |          |
| <b>PDU Type:</b>           | CONN_PDU                                  |          |
| <b>Derivation Path:</b>    |                                           |          |
| <b>Comments:</b>           | CC CONNECT message containing faciliy IE. |          |
| Field Name                 | Field Value                               | Comments |
| ti                         | Ti                                        |          |
| ccpd                       | '0011'B                                   |          |
| mt                         | '00000111'B                               |          |
| fie                        | facilityIE_58                             |          |
| pi                         | OMIT                                      |          |
| cnn                        | OMIT                                      |          |
| cns                        | OMIT                                      |          |
| uu                         | OMIT                                      |          |
| ssvi                       | OMIT                                      |          |
| <b>Detailed Comments:</b>  |                                           |          |

| PDU Constraint Declaration |                                           |          |
|----------------------------|-------------------------------------------|----------|
| <b>Constraint Name:</b>    | Connect_15(Ti:TI)                         |          |
| <b>PDU Type:</b>           | CONN_PDU                                  |          |
| <b>Derivation Path:</b>    |                                           |          |
| <b>Comments:</b>           | CC CONNECT message containing faciliy IE. |          |
| Field Name                 | Field Value                               | Comments |
| ti                         | Ti                                        |          |
| ccpd                       | '0011'B                                   |          |
| mt                         | '00000111'B                               |          |
| fie                        | facilityIE_60                             |          |
| pi                         | OMIT                                      |          |
| cnn                        | OMIT                                      |          |
| cns                        | OMIT                                      |          |
| uu                         | OMIT                                      |          |
| ssvi                       | OMIT                                      |          |
| <b>Detailed Comments:</b>  |                                           |          |

| PDU Constraint Declaration |                                           |          |
|----------------------------|-------------------------------------------|----------|
| <b>Constraint Name:</b>    | Connect_16(Ti:TI)                         |          |
| <b>PDU Type:</b>           | CONN_PDU                                  |          |
| <b>Derivation Path:</b>    |                                           |          |
| <b>Comments:</b>           | CC CONNECT message containing faciliy IE. |          |
| Field Name                 | Field Value                               | Comments |
| ti                         | Ti                                        |          |
| ccpd                       | '0011'B                                   |          |
| mt                         | '00000111'B                               |          |
| fie                        | facilityIE_61                             |          |
| pi                         | OMIT                                      |          |
| cnn                        | OMIT                                      |          |
| cns                        | OMIT                                      |          |
| uu                         | OMIT                                      |          |
| ssvi                       | OMIT                                      |          |
| <b>Detailed Comments:</b>  |                                           |          |



| PDU Constraint Declaration |                                            |          |
|----------------------------|--------------------------------------------|----------|
| <b>Constraint Name:</b>    | Connect_17(Ti:TI)                          |          |
| <b>PDU Type:</b>           | CONN_PDU                                   |          |
| <b>Derivation Path:</b>    |                                            |          |
| <b>Comments:</b>           | CC CONNECT message containing facility IE. |          |
| Field Name                 | Field Value                                | Comments |
| ti                         | Ti                                         |          |
| ccpd                       | '0011'B                                    |          |
| mt                         | '00000111'B                                |          |
| fie                        | facilityIE_62                              |          |
| pi                         | OMIT                                       |          |
| cnn                        | OMIT                                       |          |
| cns                        | OMIT                                       |          |
| uu                         | OMIT                                       |          |
| ssvi                       | OMIT                                       |          |
| <b>Detailed Comments:</b>  |                                            |          |

| PDU Constraint Declaration |                                                                                       |          |
|----------------------------|---------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Connect_inv_01(Ti:TI)                                                                 |          |
| <b>PDU Type:</b>           | CONN_PDU_ERR                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                       |          |
| <b>Comments:</b>           | An invalid CONNECT message containing an optional IE coded as comprehension required. |          |
| Field Name                 | Field Value                                                                           | Comments |
| ti                         | Ti                                                                                    |          |
| ccpd                       | '0011'B                                                                               |          |
| mt                         | '00000111'B                                                                           |          |
| unknown                    | UnknownIE_01                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                       |          |

| PDU Constraint Declaration |                                       |          |
|----------------------------|---------------------------------------|----------|
| <b>Constraint Name:</b>    | ConnectAck_01                         |          |
| <b>PDU Type:</b>           | CONN_ACK_PDU                          |          |
| <b>Derivation Path:</b>    |                                       |          |
| <b>Comments:</b>           | A CONNECT ACKNOWLEDGE message n -> ms |          |
| Field Name                 | Field Value                           | Comments |
| ti                         | TI_02                                 |          |
| ccpd                       | '0011'B                               |          |
| mt                         | '00001111'B                           |          |
| <b>Detailed Comments:</b>  |                                       |          |

| PDU Constraint Declaration |                               |          |
|----------------------------|-------------------------------|----------|
| <b>Constraint Name:</b>    | ConnectAck_02(Ti:TI)          |          |
| <b>PDU Type:</b>           | CONN_ACK_PDU                  |          |
| <b>Derivation Path:</b>    |                               |          |
| <b>Comments:</b>           | A CONNECT ACKNOWLEDGE message |          |
| Field Name                 | Field Value                   | Comments |
| ti                         | Ti                            |          |
| ccpd                       | '0011'B                       |          |
| mt                         | '0?001111'B                   |          |
| <b>Detailed Comments:</b>  |                               |          |

| PDU Constraint Declaration |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CphModeCmd_01                                                                  |          |
| <b>PDU Type:</b>           | CPHM_CMD_PDU                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                |          |
| <b>Comments:</b>           | CIPHERING MODE COMMAND message, the ciphering algorithm is specified by PIXIT. |          |
| Field Name                 | Field Value                                                                    | Comments |
| ski                        | '0000'B                                                                        |          |
| rrpd                       | '0110'B                                                                        |          |
| mt                         | '00110101'B                                                                    |          |
| cph_res                    | CiphRes_01                                                                     |          |
| cphms                      | CphMod_01                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| PDU Constraint Declaration |                                                   |          |
|----------------------------|---------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CphModeCmd_02                                     |          |
| <b>PDU Type:</b>           | CPHM_CMD_PDU                                      |          |
| <b>Derivation Path:</b>    | CphModeCmd_01.                                    |          |
| <b>Comments:</b>           | CIPHERING MODE COMMAND message with no ciphering. |          |
| Field Name                 | Field Value                                       | Comments |
| cphms                      | CphMod_02                                         |          |
| <b>Detailed Comments:</b>  |                                                   |          |

| PDU Constraint Declaration |                                                                                                                    |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CphModeCmd_03                                                                                                      |          |
| <b>PDU Type:</b>           | CPHM_CMD_PDU                                                                                                       |          |
| <b>Derivation Path:</b>    | CphModeCmd_01.                                                                                                     |          |
| <b>Comments:</b>           | CIPHERING MODE COMMAND message with no ciphering and IMEI included, the ciphering algorithm is specified by PIXIT. |          |
| Field Name                 | Field Value                                                                                                        | Comments |
| cph_res                    | CiphRes_02                                                                                                         |          |
| cphms                      | CphMod_02                                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                                                    |          |

| PDU Constraint Declaration |                                                                    |          |
|----------------------------|--------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CphModeCmd_inv_01                                                  |          |
| <b>PDU Type:</b>           | CPHM_CMD_PDU                                                       |          |
| <b>Derivation Path:</b>    | CphModeCmd_01.                                                     |          |
| <b>Comments:</b>           | Invalid CIPHERING MODE COMMAND message with mandatory IE's missing |          |
| Field Name                 | Field Value                                                        | Comments |
| cph_res                    | OMIT                                                               |          |
| cphms                      | OMIT                                                               |          |
| <b>Detailed Comments:</b>  |                                                                    |          |

| PDU Constraint Declaration |                                                                     |          |
|----------------------------|---------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CphModeCmd_inv_02                                                   |          |
| <b>PDU Type:</b>           | CPHM_CMD_PDU                                                        |          |
| <b>Derivation Path:</b>    | CphModeCmd_01.                                                      |          |
| <b>Comments:</b>           | CIPHERING MODE COMMAND message containing incorrect skip identifier |          |
| Field Name                 | Field Value                                                         | Comments |
| ski                        | '0011'B                                                             |          |
| <b>Detailed Comments:</b>  |                                                                     |          |

| PDU Constraint Declaration |                                                      |          |
|----------------------------|------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CphModeCmd_inv_03                                    |          |
| <b>PDU Type:</b>           | CPHM_CMD_PDU_ERR                                     |          |
| <b>Derivation Path:</b>    |                                                      |          |
| <b>Comments:</b>           | CIPHERING MODE COMMAND message containing unknown IE |          |
| Field Name                 | Field Value                                          | Comments |
| ski                        | '0000'B                                              |          |
| rrpd                       | '0110'B                                              |          |
| mt                         | '00110101'B                                          |          |
| cph_res                    | CiphRes_01                                           |          |
| cphms                      | CphMod_03                                            |          |
| add                        | '92'O                                                |          |
| <b>Detailed Comments:</b>  |                                                      |          |

| PDU Constraint Declaration |                                                       |          |
|----------------------------|-------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CphModeCmp_01                                         |          |
| <b>PDU Type:</b>           | CPHM_COM_PDU                                          |          |
| <b>Derivation Path:</b>    |                                                       |          |
| <b>Comments:</b>           | To match any received CIPHERING MODE COMPLETE message |          |
| Field Name                 | Field Value                                           | Comments |
| ski                        | '0000'B                                               |          |
| rrpd                       | '0110'B                                               |          |
| mt                         | '00110010'B                                           |          |
| mei                        | *                                                     |          |
| <b>Detailed Comments:</b>  |                                                       |          |

| PDU Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CphModeCmp_02                                                     |          |
| <b>PDU Type:</b>           | CPHM_COM_PDU                                                      |          |
| <b>Derivation Path:</b>    | CphModeCmp_01.                                                    |          |
| <b>Comments:</b>           | To match a received CIPHERING MODE COMPLETE message without IMEI. |          |
| Field Name                 | Field Value                                                       | Comments |
| mei                        | OMIT                                                              |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| PDU Constraint Declaration |                                                                      |          |
|----------------------------|----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CphModeCmp_03                                                        |          |
| <b>PDU Type:</b>           | CPHM_COM_PDU                                                         |          |
| <b>Derivation Path:</b>    |                                                                      |          |
| <b>Comments:</b>           | To match a received CIPHERING MODE COMPLETE message containing IMEI. |          |
| Field Name                 | Field Value                                                          | Comments |
| ski                        | '0000'B                                                              |          |
| rrpd                       | '0110'B                                                              |          |
| mt                         | '00110010'B                                                          |          |
| mei                        | Milmeisv_01iei                                                       |          |
| <b>Detailed Comments:</b>  |                                                                      |          |

| PDU Constraint Declaration |                                                                                         |          |
|----------------------------|-----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Disconn_04(Ti:TI)                                                                       |          |
| <b>PDU Type:</b>           | DISC_PDU                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                         |          |
| <b>Comments:</b>           | A DISCONNECT message that contains cause = normal clearing and progress indicator = #8. |          |
| Field Name                 | Field Value                                                                             | Comments |
| ti                         | Ti                                                                                      |          |
| ccpd                       | '0011'B                                                                                 |          |
| mt                         | '00100101'B                                                                             |          |
| cau                        | Cause_01                                                                                |          |
| fie                        | OMIT                                                                                    |          |
| pi                         | ProgInd_04                                                                              |          |
| uu                         | OMIT                                                                                    |          |
| ssvi                       | OMIT                                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                         |          |

| PDU Constraint Declaration |                                                                         |          |
|----------------------------|-------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Disconn_05(Ti:TI)                                                       |          |
| <b>PDU Type:</b>           | DISC_PDU                                                                |          |
| <b>Derivation Path:</b>    |                                                                         |          |
| <b>Comments:</b>           | A default DISCONNECT message matching any valid received value ms -> n. |          |
| Field Name                 | Field Value                                                             | Comments |
| ti                         | Ti                                                                      |          |
| ccpd                       | '0011'B                                                                 |          |
| mt                         | '0?100101'B                                                             |          |
| cau                        | Cause_Def                                                               |          |
| fie                        | *                                                                       |          |
| pi                         | *                                                                       |          |
| uu                         | *                                                                       |          |
| ssvi                       | *                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                         |          |

| PDU Constraint Declaration |                                                                     |          |
|----------------------------|---------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Disconn_07(Ti:TI)                                                   |          |
| <b>PDU Type:</b>           | DISC_PDU                                                            |          |
| <b>Derivation Path:</b>    |                                                                     |          |
| <b>Comments:</b>           | A DISCONNECT message that contains cause = normal clearing (n->ms). |          |
| Field Name                 | Field Value                                                         | Comments |
| ti                         | Ti                                                                  |          |
| ccpd                       | '0011'B                                                             |          |
| mt                         | '00100101'B                                                         |          |
| cau                        | Cause_01                                                            |          |
| fie                        | OMIT                                                                |          |
| pi                         | OMIT                                                                |          |
| uu                         | OMIT                                                                |          |
| ssvi                       | OMIT                                                                |          |
| <b>Detailed Comments:</b>  |                                                                     |          |

| PDU Constraint Declaration |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Disconn_08(Ti:TI)                                                                 |          |
| <b>PDU Type:</b>           | DISC_PDU                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                   |          |
| <b>Comments:</b>           | A DISCONNECT message that contains cause = recovery on timer expiry #102 (ms->n). |          |
| Field Name                 | Field Value                                                                       | Comments |
| ti                         | Ti                                                                                |          |
| ccpd                       | '0011'B                                                                           |          |
| mt                         | '0?100101'B                                                                       |          |
| cau                        | Cause_14                                                                          |          |
| fie                        | *                                                                                 |          |
| pi                         | *                                                                                 |          |
| uu                         | *                                                                                 |          |
| ssvi                       | *                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| PDU Constraint Declaration |                                                                                       |          |
|----------------------------|---------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Disconn_09                                                                            |          |
| <b>PDU Type:</b>           | DISC_PDU                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                       |          |
| <b>Comments:</b>           | A DISCONNECT message that contains cause = normal clearing and user-user information. |          |
| Field Name                 | Field Value                                                                           | Comments |
| ti                         | TI_02                                                                                 |          |
| ccpd                       | '0011'B                                                                               |          |
| mt                         | '00100101'B                                                                           |          |
| cau                        | Cause_01                                                                              |          |
| fie                        | OMIT                                                                                  |          |
| pi                         | OMIT                                                                                  |          |
| uu                         | TSPX_UuInfo                                                                           |          |
| ssvi                       | OMIT                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                       |          |

| PDU Constraint Declaration |                                                                                                                                                           |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Disconn_10(Ti:TI)                                                                                                                                         |          |
| <b>PDU Type:</b>           | DISC_PDU                                                                                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                                                                                           |          |
| <b>Comments:</b>           | To match a received DISCONNECT message containing transaction identifier = Ti , cause #68 and facility_IE45 for ForarwdChargeAdvice ReturnResult ms -> n. |          |
| Field Name                 | Field Value                                                                                                                                               | Comments |
| ti                         | Ti                                                                                                                                                        |          |
| ccpd                       | '0011'B                                                                                                                                                   |          |
| mt                         | '0?100101'B                                                                                                                                               |          |
| cau                        | Cause_Def                                                                                                                                                 |          |
| fie                        | facilityIE_45                                                                                                                                             |          |
| pi                         | *                                                                                                                                                         |          |
| uu                         | *                                                                                                                                                         |          |
| ssvi                       | *                                                                                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                           |          |

| PDU Constraint Declaration |                                                                                                                            |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Disconn_inv_01                                                                                                             |          |
| <b>PDU Type:</b>           | DISC_PDU                                                                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                                                            |          |
| <b>Comments:</b>           | A DISCONNECT message containing cause value #16 and location = user, the transaction ID does not refer to the active call. |          |
| Field Name                 | Field Value                                                                                                                | Comments |
| ti                         | TI_03                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                    |          |
| mt                         | '00100101'B                                                                                                                |          |
| cau                        | Cause_01                                                                                                                   |          |
| fie                        | OMIT                                                                                                                       |          |
| pi                         | OMIT                                                                                                                       |          |
| uu                         | OMIT                                                                                                                       |          |
| ssvi                       | OMIT                                                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                                            |          |

| PDU Constraint Declaration |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Disconn_inv_02                                                  |          |
| <b>PDU Type:</b>           | DISC_PDU                                                        |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | A DISCONNECT message in which the mandatory IE cause is missing |          |
| Field Name                 | Field Value                                                     | Comments |
| ti                         | TI_02                                                           |          |
| ccpd                       | '0011'B                                                         |          |
| mt                         | '00100101'B                                                     |          |
| cau                        | OMIT                                                            |          |
| fie                        | OMIT                                                            |          |
| pi                         | OMIT                                                            |          |
| uu                         | OMIT                                                            |          |
| ssvi                       | OMIT                                                            |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| PDU Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Disconn_inv_03                                                    |          |
| <b>PDU Type:</b>           | DISC_PDU_ERR                                                      |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | An invalid DISCONNECT message which contains optional unknown IEI |          |
| Field Name                 | Field Value                                                       | Comments |
| ti                         | TI_02                                                             |          |
| ccpd                       | '0011'B                                                           |          |
| mt                         | '0?100101'B                                                       |          |
| cau                        | Cause_01                                                          |          |
| unknown                    | UnknownIE_02                                                      |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| PDU Constraint Declaration |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Disconn_inv_04                                                |          |
| <b>PDU Type:</b>           | DISC_PDU                                                      |          |
| <b>Derivation Path:</b>    |                                                               |          |
| <b>Comments:</b>           | An invalid DISCONNECT message containing arbitrary spare bits |          |
| Field Name                 | Field Value                                                   | Comments |
| ti                         | TI_02                                                         |          |
| ccpd                       | '0011'B                                                       |          |
| mt                         | '00100101'B                                                   |          |
| cau                        | Cause_06                                                      |          |
| fie                        | OMIT                                                          |          |
| pi                         | ProgInd_01                                                    |          |
| uu                         | OMIT                                                          |          |
| ssvi                       | OMIT                                                          |          |
| <b>Detailed Comments:</b>  |                                                               |          |

| PDU Constraint Declaration |                                                                                        |          |
|----------------------------|----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Disconn_inv_05                                                                         |          |
| <b>PDU Type:</b>           | DISC_PDU                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                        |          |
| <b>Comments:</b>           | A DISCONNECT message containing cause value #16 and location = user, the TI = '0111'B. |          |
| Field Name                 | Field Value                                                                            | Comments |
| ti                         | TI_06                                                                                  |          |
| ccpd                       | '0011'B                                                                                |          |
| mt                         | '00100101'B                                                                            |          |
| cau                        | Cause_01                                                                               |          |
| fie                        | OMIT                                                                                   |          |
| pi                         | OMIT                                                                                   |          |
| uu                         | OMIT                                                                                   |          |
| ssvi                       | OMIT                                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                        |          |

| PDU Constraint Declaration |                                                                         |          |
|----------------------------|-------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ESetup_01                                                               |          |
| <b>PDU Type:</b>           | ESETUP_PDU                                                              |          |
| <b>Derivation Path:</b>    |                                                                         |          |
| <b>Comments:</b>           | A SETUP message containing full rate speech bearer capability. ms -> n. |          |
| Field Name                 | Field Value                                                             | Comments |
| ti                         | ?                                                                       |          |
| ccpd                       | '0011'B                                                                 |          |
| mt                         | '0?001110'B                                                             |          |
| bcap                       | ?                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                         |          |

| PDU Constraint Declaration |                                                                                                                           |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ESetup_02                                                                                                                 |          |
| <b>PDU Type:</b>           | ESETUP_PDU                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                           |          |
| <b>Comments:</b>           | A SETUP message containing a bearer capability IE indicating "full rate channel" or no bearer capability at all. ms -> n. |          |
| Field Name                 | Field Value                                                                                                               | Comments |
| ti                         | ?                                                                                                                         |          |
| ccpd                       | '0011'B                                                                                                                   |          |
| mt                         | '0?001110'B                                                                                                               |          |
| bcap                       | Bcap_01 IF_PRESENT                                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                                           |          |

| PDU Constraint Declaration |                                                 |                 |
|----------------------------|-------------------------------------------------|-----------------|
| <b>Constraint Name:</b>    | ESetup_03                                       |                 |
| <b>PDU Type:</b>           | ESETUP_PDU                                      |                 |
| <b>Derivation Path:</b>    | ESetup_02.                                      |                 |
| <b>Comments:</b>           | A SETUP message containing a bearer capability. |                 |
| <b>Field Name</b>          | <b>Field Value</b>                              | <b>Comments</b> |
| bcap                       | ?                                               |                 |
| <b>Detailed Comments:</b>  |                                                 |                 |

| PDU Constraint Declaration |                                                                 |                 |
|----------------------------|-----------------------------------------------------------------|-----------------|
| <b>Constraint Name:</b>    | ESetup_04                                                       |                 |
| <b>PDU Type:</b>           | ESETUP_PDU                                                      |                 |
| <b>Derivation Path:</b>    | ESetup_02.                                                      |                 |
| <b>Comments:</b>           | A SETUP message containing a bearer capability or no BC at all. |                 |
| <b>Field Name</b>          | <b>Field Value</b>                                              | <b>Comments</b> |
| bcap                       | *                                                               |                 |
| <b>Detailed Comments:</b>  |                                                                 |                 |

| PDU Constraint Declaration |                                               |                 |
|----------------------------|-----------------------------------------------|-----------------|
| <b>Constraint Name:</b>    | FacilityPdu_01(Ti:TI)                         |                 |
| <b>PDU Type:</b>           | FAC_PDU                                       |                 |
| <b>Derivation Path:</b>    |                                               |                 |
| <b>Comments:</b>           | containing Register SSoperation (CFNRy) ms->n |                 |
| <b>Field Name</b>          | <b>Field Value</b>                            | <b>Comments</b> |
| ti                         | Ti                                            |                 |
| cc_sspd                    | '1011'B                                       |                 |
| mt                         | '0?111010'B                                   |                 |
| fie                        | facilityIE_02                                 |                 |
| ssvi                       | *                                             |                 |
| <b>Detailed Comments:</b>  |                                               |                 |

| PDU Constraint Declaration |                                                                |                 |
|----------------------------|----------------------------------------------------------------|-----------------|
| <b>Constraint Name:</b>    | FacilityPdu_02(Ti:TI; Invkid:OCTETSTRING)                      |                 |
| <b>PDU Type:</b>           | FAC_PDU                                                        |                 |
| <b>Derivation Path:</b>    |                                                                |                 |
| <b>Comments:</b>           | containing ReturnResult for Register SSoperation (CFNRy) n->ms |                 |
| <b>Field Name</b>          | <b>Field Value</b>                                             | <b>Comments</b> |
| ti                         | Ti                                                             |                 |
| cc_sspd                    | '1011'B                                                        |                 |
| mt                         | '00111010'B                                                    |                 |
| fie                        | facilityIE_03(Invkid)                                          |                 |
| ssvi                       | OMIT                                                           |                 |
| <b>Detailed Comments:</b>  |                                                                |                 |

| PDU Constraint Declaration |                                             |                 |
|----------------------------|---------------------------------------------|-----------------|
| <b>Constraint Name:</b>    | FacilityPdu_03(Ti:TI)                       |                 |
| <b>PDU Type:</b>           | FAC_PDU                                     |                 |
| <b>Derivation Path:</b>    | FacilityPdu_01.                             |                 |
| <b>Comments:</b>           | containing Register SSoperation (CFU) ms->n |                 |
| <b>Field Name</b>          | <b>Field Value</b>                          | <b>Comments</b> |
| ti                         | Ti                                          |                 |
| fie                        | facilityIE_04                               |                 |
| <b>Detailed Comments:</b>  |                                             |                 |



| PDU Constraint Declaration |                                           |          |
|----------------------------|-------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_04(Ti, Ti1:TI)                |          |
| <b>PDU Type:</b>           | FAC_PDU                                   |          |
| <b>Derivation Path:</b>    |                                           |          |
| <b>Comments:</b>           | containing build multiparty request ms->n |          |
| Field Name                 | Field Value                               | Comments |
| ti                         | (Ti, Ti1)                                 |          |
| cc_sspd                    | '0011'B                                   |          |
| mt                         | '0?111010'B                               |          |
| fie                        | facilityIE_07                             |          |
| ssvi                       | *                                         |          |
| <b>Detailed Comments:</b>  |                                           |          |

| PDU Constraint Declaration |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_05(Ti:TI)                            |          |
| <b>PDU Type:</b>           | FAC_PDU                                          |          |
| <b>Derivation Path:</b>    | FacilityPdu_01.                                  |          |
| <b>Comments:</b>           | containing any facility iformation element ms->n |          |
| Field Name                 | Field Value                                      | Comments |
| ti                         | Ti                                               |          |
| fie                        | *                                                |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| PDU Constraint Declaration |                                   |          |
|----------------------------|-----------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_06(Ti:TI)             |          |
| <b>PDU Type:</b>           | FAC_PDU                           |          |
| <b>Derivation Path:</b>    |                                   |          |
| <b>Comments:</b>           | containing AOCC information n->ms |          |
| Field Name                 | Field Value                       | Comments |
| ti                         | Ti                                |          |
| cc_sspd                    | '1011'B                           |          |
| mt                         | '00111010'B                       |          |
| fie                        | facilityIE_06                     |          |
| ssvi                       | OMIT                              |          |
| <b>Detailed Comments:</b>  |                                   |          |

| PDU Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_07(Ti:TI)                                                     |          |
| <b>PDU Type:</b>           | FAC_PDU                                                                   |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | containing Register SSoperation (CFB for all asynchronous services) ms->n |          |
| Field Name                 | Field Value                                                               | Comments |
| ti                         | Ti                                                                        |          |
| cc_sspd                    | '1011'B                                                                   |          |
| mt                         | '0?111010'B                                                               |          |
| fie                        | facilityIE_08                                                             |          |
| ssvi                       | *                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| PDU Constraint Declaration |                                                              |          |
|----------------------------|--------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_08(Ti:TI)                                        |          |
| <b>PDU Type:</b>           | FAC_PDU                                                      |          |
| <b>Derivation Path:</b>    |                                                              |          |
| <b>Comments:</b>           | containing Register SSoperation (CF for all facsimile) ms->n |          |
| Field Name                 | Field Value                                                  | Comments |
| ti                         | Ti                                                           |          |
| cc_sspd                    | '1011'B                                                      |          |
| mt                         | '0?111010'B                                                  |          |
| fie                        | facilityIE_09                                                |          |
| savi                       | *                                                            |          |
| <b>Detailed Comments:</b>  |                                                              |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_09(Ti:TI)                                      |          |
| <b>PDU Type:</b>           | FAC_PDU                                                    |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | containing Erase SSoperation (CFC for all facsimile) ms->n |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '0?111010'B                                                |          |
| fie                        | facilityIE_10                                              |          |
| savi                       | *                                                          |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_10(Ti:TI)                                             |          |
| <b>PDU Type:</b>           | FAC_PDU                                                           |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | containing Erase SSoperation (CFNRc for all basic services) ms->n |          |
| Field Name                 | Field Value                                                       | Comments |
| ti                         | Ti                                                                |          |
| cc_sspd                    | '1011'B                                                           |          |
| mt                         | '0?111010'B                                                       |          |
| fie                        | facilityIE_11                                                     |          |
| savi                       | *                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| PDU Constraint Declaration |                                                        |          |
|----------------------------|--------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_11(Ti:TI)                                  |          |
| <b>PDU Type:</b>           | FAC_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                        |          |
| <b>Comments:</b>           | containing Erase SSoperation (CFU for Telephony) ms->n |          |
| Field Name                 | Field Value                                            | Comments |
| ti                         | Ti                                                     |          |
| cc_sspd                    | '1011'B                                                |          |
| mt                         | '0?111010'B                                            |          |
| fie                        | facilityIE_12                                          |          |
| savi                       | *                                                      |          |
| <b>Detailed Comments:</b>  |                                                        |          |

| PDU Constraint Declaration |                                                              |          |
|----------------------------|--------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_12(Ti:TI)                                        |          |
| <b>PDU Type:</b>           | FAC_PDU                                                      |          |
| <b>Derivation Path:</b>    |                                                              |          |
| <b>Comments:</b>           | containing Erase SSoperation (CFNRy for all facsimile) ms->n |          |
| Field Name                 | Field Value                                                  | Comments |
| ti                         | Ti                                                           |          |
| cc_sspd                    | '1011'B                                                      |          |
| mt                         | '0?111010'B                                                  |          |
| fie                        | facilityIE_13                                                |          |
| ssvi                       | *                                                            |          |
| <b>Detailed Comments:</b>  |                                                              |          |

| PDU Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_13(Ti:TI; Invkid:OCTETSTRING)                                 |          |
| <b>PDU Type:</b>           | FAC_PDU                                                                   |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | containing Erase SSoperation ReturnResult (CFC for all facsimile) n -> ms |          |
| Field Name                 | Field Value                                                               | Comments |
| ti                         | Ti                                                                        |          |
| cc_sspd                    | '1011'B                                                                   |          |
| mt                         | '00111010'B                                                               |          |
| fie                        | facilityIE_16(Invkid)                                                     |          |
| ssvi                       | OMIT                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| PDU Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_14(Ti:TI)                                                     |          |
| <b>PDU Type:</b>           | FAC_PDU                                                                   |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | containing Activation SSoperation (CF for all synchronous services) ms->n |          |
| Field Name                 | Field Value                                                               | Comments |
| ti                         | Ti                                                                        |          |
| cc_sspd                    | '1011'B                                                                   |          |
| mt                         | '0?111010'B                                                               |          |
| fie                        | facilityIE_20                                                             |          |
| ssvi                       | *                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| PDU Constraint Declaration |                                                                      |          |
|----------------------------|----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_15(Ti:TI)                                                |          |
| <b>PDU Type:</b>           | FAC_PDU                                                              |          |
| <b>Derivation Path:</b>    |                                                                      |          |
| <b>Comments:</b>           | containing Activation SSoperation (CFU for all basic services) ms->n |          |
| Field Name                 | Field Value                                                          | Comments |
| ti                         | Ti                                                                   |          |
| cc_sspd                    | '1011'B                                                              |          |
| mt                         | '0?111010'B                                                          |          |
| fie                        | facilityIE_21                                                        |          |
| ssvi                       | *                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                      |          |

| PDU Constraint Declaration |                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_16(Ti:TI; invkid:OCTETSTRING)                                                  |          |
| <b>PDU Type:</b>           | FAC_PDU                                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                            |          |
| <b>Comments:</b>           | containing ReturnResult for Activation SSoperation (CF for all synchronous services) n->ms |          |
| Field Name                 | Field Value                                                                                | Comments |
| ti                         | Ti                                                                                         |          |
| cc_sspd                    | '1011'B                                                                                    |          |
| mt                         | '00111010'B                                                                                |          |
| fie                        | facilityIE_22(invkid)                                                                      |          |
| ssvi                       | OMIT                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                            |          |

| PDU Constraint Declaration |                                                                             |          |
|----------------------------|-----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_17(Ti:TI)                                                       |          |
| <b>PDU Type:</b>           | FAC_PDU                                                                     |          |
| <b>Derivation Path:</b>    |                                                                             |          |
| <b>Comments:</b>           | containing invocation for Deactivation SSoperation (CFC for speech) ms -> n |          |
| Field Name                 | Field Value                                                                 | Comments |
| ti                         | Ti                                                                          |          |
| cc_sspd                    | '1011'B                                                                     |          |
| mt                         | '0?111010'B                                                                 |          |
| fie                        | facilityIE_24                                                               |          |
| ssvi                       | *                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                             |          |

| PDU Constraint Declaration |                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_18(Ti:TI)                                                                |          |
| <b>PDU Type:</b>           | FAC_PDU                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                      |          |
| <b>Comments:</b>           | containing invocation for Deactivation SSoperation (CFNRc for all facsimile) ms -> n |          |
| Field Name                 | Field Value                                                                          | Comments |
| ti                         | Ti                                                                                   |          |
| cc_sspd                    | '1011'B                                                                              |          |
| mt                         | '0?111010'B                                                                          |          |
| fie                        | facilityIE_25                                                                        |          |
| ssvi                       | *                                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                      |          |

| PDU Constraint Declaration |                                                                             |          |
|----------------------------|-----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_19(Ti:TI; invkid:OCTETSTRING)                                   |          |
| <b>PDU Type:</b>           | FAC_PDU                                                                     |          |
| <b>Derivation Path:</b>    |                                                                             |          |
| <b>Comments:</b>           | containing ReturnResult for Deactivation SSoperation (CFC for speech) n->ms |          |
| Field Name                 | Field Value                                                                 | Comments |
| ti                         | Ti                                                                          |          |
| cc_sspd                    | '1011'B                                                                     |          |
| mt                         | '00111010'B                                                                 |          |
| fie                        | facilityIE_26(invkid)                                                       |          |
| ssvi                       | OMIT                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                             |          |

| PDU Constraint Declaration |                                                                                          |          |
|----------------------------|------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_20(Ti:TI)                                                                    |          |
| <b>PDU Type:</b>           | FAC_PDU                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                          |          |
| <b>Comments:</b>           | containing invocation for Interrogation SSoperation (CFB for all basic services) ms -> n |          |
| Field Name                 | Field Value                                                                              | Comments |
| ti                         | Ti                                                                                       |          |
| cc_sspd                    | '1011'B                                                                                  |          |
| mt                         | '0?111010'B                                                                              |          |
| fie                        | facilityIE_28                                                                            |          |
| ssvi                       | *                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                          |          |

| PDU Constraint Declaration |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_21(Ti:TI)                                                             |          |
| <b>PDU Type:</b>           | FAC_PDU                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                   |          |
| <b>Comments:</b>           | containing invocation for Interrogation SSoperation (CFNRy for Telephony) ms -> n |          |
| Field Name                 | Field Value                                                                       | Comments |
| ti                         | Ti                                                                                |          |
| cc_sspd                    | '1011'B                                                                           |          |
| mt                         | '0?111010'B                                                                       |          |
| fie                        | facilityIE_29                                                                     |          |
| ssvi                       | *                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| PDU Constraint Declaration |                                                                                          |          |
|----------------------------|------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_22(Ti:TI; invkid:OCTETSTRING)                                                |          |
| <b>PDU Type:</b>           | FAC_PDU                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                          |          |
| <b>Comments:</b>           | containing ReturnResult for Interrogation SSoperation (CFB for all basic services) n->ms |          |
| Field Name                 | Field Value                                                                              | Comments |
| ti                         | Ti                                                                                       |          |
| cc_sspd                    | '1011'B                                                                                  |          |
| mt                         | '00111010'B                                                                              |          |
| fie                        | facilityIE_30(invkid)                                                                    |          |
| ssvi                       | OMIT                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                          |          |

| PDU Constraint Declaration |                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_23(Ti:TI)                                                                      |          |
| <b>PDU Type:</b>           | FAC_PDU                                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                            |          |
| <b>Comments:</b>           | containing invocation for Interrogation SSoperation (CFNRc for all basic services) ms -> n |          |
| Field Name                 | Field Value                                                                                | Comments |
| ti                         | Ti                                                                                         |          |
| cc_sspd                    | '1011'B                                                                                    |          |
| mt                         | '0?111010'B                                                                                |          |
| fie                        | facilityIE_32                                                                              |          |
| ssvi                       | *                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                            |          |

| PDU Constraint Declaration |                                                                                     |          |
|----------------------------|-------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_24(Ti:TI)                                                               |          |
| <b>PDU Type:</b>           | FAC_PDU                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                     |          |
| <b>Comments:</b>           | containing invocation for Interrogation SSoperation (CFB for all facsimile) ms -> n |          |
| Field Name                 | Field Value                                                                         | Comments |
| ti                         | Ti                                                                                  |          |
| cc_sspd                    | '1011'B                                                                             |          |
| mt                         | '0?111010'B                                                                         |          |
| fie                        | facilityIE_33                                                                       |          |
| ssvi                       | *                                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                     |          |

| PDU Constraint Declaration |                                                                                              |          |
|----------------------------|----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_25(Ti:TI)                                                                        |          |
| <b>PDU Type:</b>           | FAC_PDU                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                              |          |
| <b>Comments:</b>           | containing invocation for notification SSoperation (CFB, incoming call is forwarded) n -> ms |          |
| Field Name                 | Field Value                                                                                  | Comments |
| ti                         | Ti                                                                                           |          |
| cc_sspd                    | '0011'B                                                                                      |          |
| mt                         | '00111010'B                                                                                  |          |
| fie                        | facilityIE_36                                                                                |          |
| ssvi                       | OMIT                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                              |          |

| PDU Constraint Declaration |                                                                     |          |
|----------------------------|---------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_26(Ti:TI)                                               |          |
| <b>PDU Type:</b>           | FAC_PDU                                                             |          |
| <b>Derivation Path:</b>    |                                                                     |          |
| <b>Comments:</b>           | containing ReturnResult for ForarwdChargeAdvice SSoperation ms -> n |          |
| Field Name                 | Field Value                                                         | Comments |
| ti                         | Ti                                                                  |          |
| cc_sspd                    | '0011'B                                                             |          |
| mt                         | '0?111010'B                                                         |          |
| fie                        | facilityIE_45                                                       |          |
| ssvi                       | *                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                     |          |

| PDU Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_27(Ti:TI)                                             |          |
| <b>PDU Type:</b>           | FAC_PDU                                                           |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | containing invocation for ForwardChargeAdvice SSoperation n -> ms |          |
| Field Name                 | Field Value                                                       | Comments |
| ti                         | Ti                                                                |          |
| cc_sspd                    | '0011'B                                                           |          |
| mt                         | '00111010'B                                                       |          |
| fie                        | facilityIE_46                                                     |          |
| ssvi                       | OMIT                                                              |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| PDU Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_28(Ti:TI)                                             |          |
| <b>PDU Type:</b>           | FAC_PDU                                                           |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | containing invocation for ForwardChargeAdvice SSoperation n -> ms |          |
| Field Name                 | Field Value                                                       | Comments |
| ti                         | Ti                                                                |          |
| cc_sspd                    | '0011'B                                                           |          |
| mt                         | '00111010'B                                                       |          |
| fie                        | facilityIE_47                                                     |          |
| ssvi                       | OMIT                                                              |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| PDU Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_29(Ti:TI)                                             |          |
| <b>PDU Type:</b>           | FAC_PDU                                                           |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | containing invocation for ForwardChargeAdvice SSoperation n -> ms |          |
| Field Name                 | Field Value                                                       | Comments |
| ti                         | Ti                                                                |          |
| cc_sspd                    | '0011'B                                                           |          |
| mt                         | '00111010'B                                                       |          |
| fie                        | facilityIE_48                                                     |          |
| ssvi                       | OMIT                                                              |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| PDU Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_30(Ti:TI)                                             |          |
| <b>PDU Type:</b>           | FAC_PDU                                                           |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | containing invocation for ForwardChargeAdvice SSoperation n -> ms |          |
| Field Name                 | Field Value                                                       | Comments |
| ti                         | Ti                                                                |          |
| cc_sspd                    | '0011'B                                                           |          |
| mt                         | '00111010'B                                                       |          |
| fie                        | facilityIE_49                                                     |          |
| ssvi                       | OMIT                                                              |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| PDU Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_31(Ti:TI)                                             |          |
| <b>PDU Type:</b>           | FAC_PDU                                                           |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | containing invocation for ForwardChargeAdvice SSoperation n -> ms |          |
| Field Name                 | Field Value                                                       | Comments |
| ti                         | Ti                                                                |          |
| cc_sspd                    | '0011'B                                                           |          |
| mt                         | '00111010'B                                                       |          |
| fie                        | facilityIE_50                                                     |          |
| ssvi                       | OMIT                                                              |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| PDU Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_32(Ti:TI)                                             |          |
| <b>PDU Type:</b>           | FAC_PDU                                                           |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | containing invocation for ForwardChargeAdvice SSoperation n -> ms |          |
| Field Name                 | Field Value                                                       | Comments |
| ti                         | Ti                                                                |          |
| cc_sspd                    | '0011'B                                                           |          |
| mt                         | '00111010'B                                                       |          |
| fie                        | facilityIE_51                                                     |          |
| ssvi                       | OMIT                                                              |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| PDU Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_33(Ti:TI)                                             |          |
| <b>PDU Type:</b>           | FAC_PDU                                                           |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | containing invocation for ForwardChargeAdvice SSoperation n -> ms |          |
| Field Name                 | Field Value                                                       | Comments |
| ti                         | Ti                                                                |          |
| cc_sspd                    | '0011'B                                                           |          |
| mt                         | '00111010'B                                                       |          |
| fie                        | facilityIE_52                                                     |          |
| ssvi                       | OMIT                                                              |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| PDU Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_34(Ti:TI)                                             |          |
| <b>PDU Type:</b>           | FAC_PDU                                                           |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | containing invocation for ForwardChargeAdvice SSoperation n -> ms |          |
| Field Name                 | Field Value                                                       | Comments |
| ti                         | Ti                                                                |          |
| cc_sspd                    | '0011'B                                                           |          |
| mt                         | '00111010'B                                                       |          |
| fie                        | facilityIE_53                                                     |          |
| ssvi                       | OMIT                                                              |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| PDU Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_35(Ti:TI)                                             |          |
| <b>PDU Type:</b>           | FAC_PDU                                                           |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | containing invocation for ForwardChargeAdvice SSoperation n -> ms |          |
| Field Name                 | Field Value                                                       | Comments |
| ti                         | Ti                                                                |          |
| cc_sspd                    | '0011'B                                                           |          |
| mt                         | '00111010'B                                                       |          |
| fie                        | facilityIE_54                                                     |          |
| ssvi                       | OMIT                                                              |          |
| <b>Detailed Comments:</b>  |                                                                   |          |



| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_36(Ti:TI; Invkid:OCTETSTRING)                  |          |
| <b>PDU Type:</b>           | FAC_PDU                                                    |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | containing ReturnResult for buildEMPTY SSoperation n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '0011'B                                                    |          |
| mt                         | '00111010'B                                                |          |
| fie                        | facilityIE_59(Invkid)                                      |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_37(Ti:TI)                                             |          |
| <b>PDU Type:</b>           | FAC_PDU                                                           |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | containing invocation for ForwardChargeAdvice SSoperation n -> ms |          |
| Field Name                 | Field Value                                                       | Comments |
| ti                         | Ti                                                                |          |
| cc_sspd                    | '0011'B                                                           |          |
| mt                         | '00111010'B                                                       |          |
| fie                        | facilityIE_61                                                     |          |
| ssvi                       | OMIT                                                              |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| PDU Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_38(Ti:TI)                                             |          |
| <b>PDU Type:</b>           | FAC_PDU                                                           |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | containing invocation for ForwardChargeAdvice SSoperation n -> ms |          |
| Field Name                 | Field Value                                                       | Comments |
| ti                         | Ti                                                                |          |
| cc_sspd                    | '0011'B                                                           |          |
| mt                         | '00111010'B                                                       |          |
| fie                        | facilityIE_62                                                     |          |
| ssvi                       | OMIT                                                              |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_39(Ti:TI)                                      |          |
| <b>PDU Type:</b>           | FAC_PDU                                                    |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | containing invocation for registration of password ms -> n |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '0?111010'B                                                |          |
| fie                        | facilityIE_63                                              |          |
| ssvi                       | *                                                          |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                           |          |
|----------------------------|-----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_40(Ti:TI; linkid:OCTETSTRING)                 |          |
| <b>PDU Type:</b>           | FAC_PDU                                                   |          |
| <b>Derivation Path:</b>    |                                                           |          |
| <b>Comments:</b>           | containing invocation for GetPassword SSoperation n -> ms |          |
| Field Name                 | Field Value                                               | Comments |
| ti                         | Ti                                                        |          |
| cc_sspd                    | '1011'B                                                   |          |
| mt                         | '00111010'B                                               |          |
| fie                        | facilityIE_64(linkid)                                     |          |
| ssvi                       | OMIT                                                      |          |
| <b>Detailed Comments:</b>  |                                                           |          |

| PDU Constraint Declaration |                                                             |          |
|----------------------------|-------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_41(Ti:TI)                                       |          |
| <b>PDU Type:</b>           | FAC_PDU                                                     |          |
| <b>Derivation Path:</b>    |                                                             |          |
| <b>Comments:</b>           | containing ReturnResult for GetPassword SSoperation ms -> n |          |
| Field Name                 | Field Value                                                 | Comments |
| ti                         | Ti                                                          |          |
| cc_sspd                    | '1011'B                                                     |          |
| mt                         | '0?111010'B                                                 |          |
| fie                        | facilityIE_65                                               |          |
| ssvi                       | *                                                           |          |
| <b>Detailed Comments:</b>  |                                                             |          |

| PDU Constraint Declaration |                                                           |          |
|----------------------------|-----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_42(Ti:TI; linkid:OCTETSTRING)                 |          |
| <b>PDU Type:</b>           | FAC_PDU                                                   |          |
| <b>Derivation Path:</b>    |                                                           |          |
| <b>Comments:</b>           | containing invocation for GetPassword SSoperation n -> ms |          |
| Field Name                 | Field Value                                               | Comments |
| ti                         | Ti                                                        |          |
| cc_sspd                    | '1011'B                                                   |          |
| mt                         | '00111010'B                                               |          |
| fie                        | facilityIE_66(linkid)                                     |          |
| ssvi                       | OMIT                                                      |          |
| <b>Detailed Comments:</b>  |                                                           |          |

| PDU Constraint Declaration |                                                           |          |
|----------------------------|-----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_43(Ti:TI; linkid:OCTETSTRING)                 |          |
| <b>PDU Type:</b>           | FAC_PDU                                                   |          |
| <b>Derivation Path:</b>    |                                                           |          |
| <b>Comments:</b>           | containing invocation for GetPassword SSoperation n -> ms |          |
| Field Name                 | Field Value                                               | Comments |
| ti                         | Ti                                                        |          |
| cc_sspd                    | '1011'B                                                   |          |
| mt                         | '00111010'B                                               |          |
| fie                        | facilityIE_67(linkid)                                     |          |
| ssvi                       | OMIT                                                      |          |
| <b>Detailed Comments:</b>  |                                                           |          |

| PDU Constraint Declaration |                                                             |          |
|----------------------------|-------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_44(Ti:TI)                                       |          |
| <b>PDU Type:</b>           | FAC_PDU                                                     |          |
| <b>Derivation Path:</b>    |                                                             |          |
| <b>Comments:</b>           | containing ReturnResult for GetPassword SSoperation ms -> n |          |
| Field Name                 | Field Value                                                 | Comments |
| ti                         | Ti                                                          |          |
| cc_sspd                    | '1011'B                                                     |          |
| mt                         | '0?111010'B                                                 |          |
| fie                        | facilityIE_68                                               |          |
| ssvi                       | *                                                           |          |
| <b>Detailed Comments:</b>  |                                                             |          |

| PDU Constraint Declaration |                                                             |          |
|----------------------------|-------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_45(Ti:TI)                                       |          |
| <b>PDU Type:</b>           | FAC_PDU                                                     |          |
| <b>Derivation Path:</b>    |                                                             |          |
| <b>Comments:</b>           | containing ReturnResult for GetPassword SSoperation ms -> n |          |
| Field Name                 | Field Value                                                 | Comments |
| ti                         | Ti                                                          |          |
| cc_sspd                    | '1011'B                                                     |          |
| mt                         | '0?111010'B                                                 |          |
| fie                        | facilityIE_72                                               |          |
| ssvi                       | *                                                           |          |
| <b>Detailed Comments:</b>  |                                                             |          |

| PDU Constraint Declaration |                                                         |          |
|----------------------------|---------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_46(Ti:TI)                                   |          |
| <b>PDU Type:</b>           | FAC_PDU                                                 |          |
| <b>Derivation Path:</b>    |                                                         |          |
| <b>Comments:</b>           | containing invocation of activation SSoperation ms -> n |          |
| Field Name                 | Field Value                                             | Comments |
| ti                         | Ti                                                      |          |
| cc_sspd                    | '1011'B                                                 |          |
| mt                         | '0?111010'B                                             |          |
| fie                        | facilityIE_74                                           |          |
| ssvi                       | *                                                       |          |
| <b>Detailed Comments:</b>  |                                                         |          |

| PDU Constraint Declaration |                                              |          |
|----------------------------|----------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_47(Ti:TI; linkid:OCTETSTRING)    |          |
| <b>PDU Type:</b>           | FAC_PDU                                      |          |
| <b>Derivation Path:</b>    |                                              |          |
| <b>Comments:</b>           | containing Activate SS Return Result n -> ms |          |
| Field Name                 | Field Value                                  | Comments |
| ti                         | Ti                                           |          |
| cc_sspd                    | '1011'B                                      |          |
| mt                         | '00111010'B                                  |          |
| fie                        | facilityIE_75(linkid)                        |          |
| ssvi                       | OMIT                                         |          |
| <b>Detailed Comments:</b>  |                                              |          |

| PDU Constraint Declaration |                                                         |          |
|----------------------------|---------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_48(Ti:TI)                                   |          |
| <b>PDU Type:</b>           | FAC_PDU                                                 |          |
| <b>Derivation Path:</b>    |                                                         |          |
| <b>Comments:</b>           | containing invocation of activation SSoperation ms -> n |          |
| Field Name                 | Field Value                                             | Comments |
| ti                         | Ti                                                      |          |
| cc_sspd                    | '1011'B                                                 |          |
| mt                         | '0?111010'B                                             |          |
| fie                        | facilityIE_76                                           |          |
| savi                       | *                                                       |          |
| <b>Detailed Comments:</b>  |                                                         |          |

| PDU Constraint Declaration |                                                         |          |
|----------------------------|---------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_49(Ti:TI)                                   |          |
| <b>PDU Type:</b>           | FAC_PDU                                                 |          |
| <b>Derivation Path:</b>    |                                                         |          |
| <b>Comments:</b>           | containing invocation of activation SSoperation ms -> n |          |
| Field Name                 | Field Value                                             | Comments |
| ti                         | Ti                                                      |          |
| cc_sspd                    | '1011'B                                                 |          |
| mt                         | '0?111010'B                                             |          |
| fie                        | facilityIE_78                                           |          |
| savi                       | *                                                       |          |
| <b>Detailed Comments:</b>  |                                                         |          |

| PDU Constraint Declaration |                                                         |          |
|----------------------------|---------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_50(Ti:TI)                                   |          |
| <b>PDU Type:</b>           | FAC_PDU                                                 |          |
| <b>Derivation Path:</b>    |                                                         |          |
| <b>Comments:</b>           | containing invocation of activation SSoperation ms -> n |          |
| Field Name                 | Field Value                                             | Comments |
| ti                         | Ti                                                      |          |
| cc_sspd                    | '1011'B                                                 |          |
| mt                         | '0?111010'B                                             |          |
| fie                        | facilityIE_80                                           |          |
| savi                       | *                                                       |          |
| <b>Detailed Comments:</b>  |                                                         |          |

| PDU Constraint Declaration |                                                         |          |
|----------------------------|---------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_51(Ti:TI)                                   |          |
| <b>PDU Type:</b>           | FAC_PDU                                                 |          |
| <b>Derivation Path:</b>    |                                                         |          |
| <b>Comments:</b>           | containing invocation of activation SSoperation ms -> n |          |
| Field Name                 | Field Value                                             | Comments |
| ti                         | Ti                                                      |          |
| cc_sspd                    | '1011'B                                                 |          |
| mt                         | '0?111010'B                                             |          |
| fie                        | facilityIE_82                                           |          |
| savi                       | *                                                       |          |
| <b>Detailed Comments:</b>  |                                                         |          |

| PDU Constraint Declaration |                                                                      |          |
|----------------------------|----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_52(Ti:TI; invkid:OCTETSTRING)                            |          |
| <b>PDU Type:</b>           | FAC_PDU                                                              |          |
| <b>Derivation Path:</b>    |                                                                      |          |
| <b>Comments:</b>           | containing ReturnResult for Deactivation SSoperation (barring) n->ms |          |
| Field Name                 | Field Value                                                          | Comments |
| ti                         | Ti                                                                   |          |
| cc_sspd                    | '1011'B                                                              |          |
| mt                         | '00111010'B                                                          |          |
| fie                        | facilityIE_83(invkid)                                                |          |
| ssvi                       | OMIT                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                      |          |

| PDU Constraint Declaration |                                                           |          |
|----------------------------|-----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_53(Ti:TI)                                     |          |
| <b>PDU Type:</b>           | FAC_PDU                                                   |          |
| <b>Derivation Path:</b>    |                                                           |          |
| <b>Comments:</b>           | containing invocation of deactivation SSoperation ms -> n |          |
| Field Name                 | Field Value                                               | Comments |
| ti                         | Ti                                                        |          |
| cc_sspd                    | '1011'B                                                   |          |
| mt                         | '0?111010'B                                               |          |
| fie                        | facilityIE_84                                             |          |
| ssvi                       | *                                                         |          |
| <b>Detailed Comments:</b>  |                                                           |          |

| PDU Constraint Declaration |                                                           |          |
|----------------------------|-----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_54(Ti:TI)                                     |          |
| <b>PDU Type:</b>           | FAC_PDU                                                   |          |
| <b>Derivation Path:</b>    |                                                           |          |
| <b>Comments:</b>           | containing invocation of deactivation SSoperation ms -> n |          |
| Field Name                 | Field Value                                               | Comments |
| ti                         | Ti                                                        |          |
| cc_sspd                    | '1011'B                                                   |          |
| mt                         | '0?111010'B                                               |          |
| fie                        | facilityIE_85                                             |          |
| ssvi                       | *                                                         |          |
| <b>Detailed Comments:</b>  |                                                           |          |

| PDU Constraint Declaration |                                                           |          |
|----------------------------|-----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_55(Ti:TI)                                     |          |
| <b>PDU Type:</b>           | FAC_PDU                                                   |          |
| <b>Derivation Path:</b>    |                                                           |          |
| <b>Comments:</b>           | containing invocation of deactivation SSoperation ms -> n |          |
| Field Name                 | Field Value                                               | Comments |
| ti                         | Ti                                                        |          |
| cc_sspd                    | '1011'B                                                   |          |
| mt                         | '0?111010'B                                               |          |
| fie                        | facilityIE_88                                             |          |
| ssvi                       | *                                                         |          |
| <b>Detailed Comments:</b>  |                                                           |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_56(Ti:TI)                                      |          |
| <b>PDU Type:</b>           | FAC_PDU                                                    |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | containing invocation of interrogation SSoperation ms -> n |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '0?111010'B                                                |          |
| fie                        | facilityIE_89                                              |          |
| savi                       | *                                                          |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_57(Ti:TI)                                      |          |
| <b>PDU Type:</b>           | FAC_PDU                                                    |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | containing invocation of interrogation SSoperation ms -> n |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '0?111010'B                                                |          |
| fie                        | facilityIE_90                                              |          |
| savi                       | *                                                          |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_58(Ti:TI)                                      |          |
| <b>PDU Type:</b>           | FAC_PDU                                                    |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | containing invocation of interrogation SSoperation ms -> n |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '0?111010'B                                                |          |
| fie                        | facilityIE_93                                              |          |
| savi                       | *                                                          |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_59(Ti:TI)                                      |          |
| <b>PDU Type:</b>           | FAC_PDU                                                    |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | containing invocation of interrogation SSoperation ms -> n |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '0?111010'B                                                |          |
| fie                        | facilityIE_94                                              |          |
| savi                       | *                                                          |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_60(Ti:TI; invkid:OCTETSTRING)                             |          |
| <b>PDU Type:</b>           | FAC_PDU                                                               |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | containing ReturnResult for Interrogation SSoperation (barring) n->ms |          |
| Field Name                 | Field Value                                                           | Comments |
| ti                         | Ti                                                                    |          |
| cc_sspd                    | '1011'B                                                               |          |
| mt                         | '00111010'B                                                           |          |
| fie                        | facilityIE_95(invkid)                                                 |          |
| ssvi                       | OMIT                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| PDU Constraint Declaration |                                                                                                       |          |
|----------------------------|-------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_62(Ti:TI; Invkid:OCTETSTRING; prevbits: OCTETSTRING; follbits: OCTETSTRING)               |          |
| <b>PDU Type:</b>           | FAC_PDU                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                       |          |
| <b>Comments:</b>           | To send a FACILITY message containing Invoke for Unstructured SS request with information to the user |          |
| Field Name                 | Field Value                                                                                           | Comments |
| ti                         | Ti                                                                                                    |          |
| cc_sspd                    | '1011'B                                                                                               |          |
| mt                         | '00111010'B                                                                                           |          |
| fie                        | facilityIE_100(Invkid, prevbits, follbits)                                                            |          |
| ssvi                       | OMIT                                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                       |          |

| PDU Constraint Declaration |                                                                  |          |
|----------------------------|------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_63(Ti:TI; Invkid: OCTETSTRING)                       |          |
| <b>PDU Type:</b>           | FAC_PDU                                                          |          |
| <b>Derivation Path:</b>    |                                                                  |          |
| <b>Comments:</b>           | To receive a FACILITY message containing an empty Return Result. |          |
| Field Name                 | Field Value                                                      | Comments |
| ti                         | Ti                                                               |          |
| cc_sspd                    | '1011'B                                                          |          |
| mt                         | '0?111010'B                                                      |          |
| fie                        | facilityIE_108(Invkid)                                           |          |
| ssvi                       | OMIT                                                             |          |
| <b>Detailed Comments:</b>  |                                                                  |          |

| PDU Constraint Declaration |                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FacilityPdu_64(Ti:TI; Invkid: OCTETSTRING; ussdString: IA5String)                  |          |
| <b>PDU Type:</b>           | FAC_PDU                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                    |          |
| <b>Comments:</b>           | To receive a FACILITY message containing Return Result for UnstructuredSS-Request. |          |
| Field Name                 | Field Value                                                                        | Comments |
| ti                         | Ti                                                                                 |          |
| cc_sspd                    | '1011'B                                                                            |          |
| mt                         | '0?111010'B                                                                        |          |
| fie                        | facilityIE_112(Invkid, ussdString)                                                 |          |
| ssvi                       | OMIT                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                    |          |

| PDU Constraint Declaration |              |          |
|----------------------------|--------------|----------|
| <b>Constraint Name:</b>    | FreqRedef_01 |          |
| <b>PDU Type:</b>           | FRQRE_PDU    |          |
| <b>Derivation Path:</b>    |              |          |
| <b>Comments:</b>           |              |          |
| Field Name                 | Field Value  | Comments |
| ski                        | '0000'B      |          |
| rrpd                       | '0110'B      |          |
| mt                         | '00010100'B  |          |
| chd                        | ?            |          |
| ma                         | ?            |          |
| strt                       | ?            |          |
| cchd                       | ?            |          |
| <b>Detailed Comments:</b>  |              |          |

| PDU Constraint Declaration |                                |          |
|----------------------------|--------------------------------|----------|
| <b>Constraint Name:</b>    | FreqRedef_02(slot:SN; tsc:TSC) |          |
| <b>PDU Type:</b>           | FRQRE_PDU                      |          |
| <b>Derivation Path:</b>    |                                |          |
| <b>Comments:</b>           | used in TC_26_6_13_3           |          |
| Field Name                 | Field Value                    | Comments |
| ski                        | '0000'B                        |          |
| rrpd                       | '0110'B                        |          |
| mt                         | '00010100'B                    |          |
| chd                        | ChDescrp_r34(slot, tsc)        |          |
| ma                         | MoblAllc_r11                   |          |
| strt                       | ?                              |          |
| cchd                       | OMIT                           |          |
| <b>Detailed Comments:</b>  |                                |          |

| PDU Constraint Declaration |                                |          |
|----------------------------|--------------------------------|----------|
| <b>Constraint Name:</b>    | FreqRedef_03(slot:SN; tsc:TSC) |          |
| <b>PDU Type:</b>           | FRQRE_PDU                      |          |
| <b>Derivation Path:</b>    |                                |          |
| <b>Comments:</b>           | used in TC_26_6_13_4           |          |
| Field Name                 | Field Value                    | Comments |
| ski                        | '0000'B                        |          |
| rrpd                       | '0110'B                        |          |
| mt                         | '00010100'B                    |          |
| chd                        | ChDescrp_r38(slot, tsc)        |          |
| ma                         | MoblAllc_r15                   |          |
| strt                       | ?                              |          |
| cchd                       | OMIT                           |          |
| <b>Detailed Comments:</b>  |                                |          |



| PDU Constraint Declaration |                                |          |
|----------------------------|--------------------------------|----------|
| <b>Constraint Name:</b>    | FreqRedef_04(slot:SN; tsc:TSC) |          |
| <b>PDU Type:</b>           | FRQRE_PDU                      |          |
| <b>Derivation Path:</b>    |                                |          |
| <b>Comments:</b>           | used in TC_26_6_13_7           |          |
| Field Name                 | Field Value                    | Comments |
| ski                        | '0000'B                        |          |
| rrpd                       | '0110'B                        |          |
| mt                         | '00010100'B                    |          |
| chd                        | ChDescrp_r48(slot, tsc)        |          |
| ma                         | MoblAllc_r25                   |          |
| strt                       | ?                              |          |
| cchd                       | OMIT                           |          |
| <b>Detailed Comments:</b>  |                                |          |

| PDU Constraint Declaration |                                |          |
|----------------------------|--------------------------------|----------|
| <b>Constraint Name:</b>    | FreqRedef_05(slot:SN; tsc:TSC) |          |
| <b>PDU Type:</b>           | FRQRE_PDU                      |          |
| <b>Derivation Path:</b>    |                                |          |
| <b>Comments:</b>           | used in TC_26_6_13_8           |          |
| Field Name                 | Field Value                    | Comments |
| ski                        | '0000'B                        |          |
| rrpd                       | '0110'B                        |          |
| mt                         | '00010100'B                    |          |
| chd                        | ChDescrp_r54(slot, tsc)        |          |
| ma                         | MoblAllc_r29                   |          |
| strt                       | ?                              |          |
| cchd                       | OMIT                           |          |
| <b>Detailed Comments:</b>  |                                |          |

| PDU Constraint Declaration |                                                                                                                    |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqRedef_20(ts_ccch: BITSTRING; par_chtype:BITSTRING; par_cchd: OCTETSTRING;<br>par_ma:BITSTRING; par_stime:STRT) |          |
| <b>PDU Type:</b>           | FRQRE_PDU                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                    |          |
| <b>Comments:</b>           | Frequency Redefinition                                                                                             |          |
| Field Name                 | Field Value                                                                                                        | Comments |
| ski                        | '0000'B                                                                                                            |          |
| rrpd                       | '0110'B                                                                                                            |          |
| mt                         | '00010100'B                                                                                                        |          |
| chd                        | ChDescrp_22e(ts_ccch, par_chtype)                                                                                  |          |
| ma                         | MoblAllc_20_Be1(par_ma)                                                                                            |          |
| strt                       | par_stime                                                                                                          |          |
| cchd                       | CellChDes_20_Be(par_cchd)                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                                                    |          |

| PDU Constraint Declaration |                                                                                          |          |
|----------------------------|------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqRedef_21(ts_ccch: BITSTRING; par_chtype:BITSTRING; par_ma:BITSTRING; par_stime:STRT) |          |
| <b>PDU Type:</b>           | FRQRE_PDU                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                          |          |
| <b>Comments:</b>           | Frequency Redefinition                                                                   |          |
| Field Name                 | Field Value                                                                              | Comments |
| ski                        | '0000'B                                                                                  |          |
| rrpd                       | '0110'B                                                                                  |          |
| mt                         | '00010100'B                                                                              |          |
| chd                        | ChDescrp_22e(ts_ccch, par_chtype)                                                        |          |
| ma                         | MoblAlc_20_Be1(par_ma)                                                                   |          |
| strt                       | par_stime                                                                                |          |
| cchd                       | OMIT                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                          |          |

| PDU Constraint Declaration |                                                                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | FreqRedef_22( ts_ccch: BITSTRING; par_chtype:BITSTRING; par_cchd: OCTETSTRING; par_ma1:BITSTRING; par_ma2:BITSTRING; par_stime:STRT) |          |
| <b>PDU Type:</b>           | FRQRE_PDU                                                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                                                      |          |
| <b>Comments:</b>           | Frequency Redefinition                                                                                                               |          |
| Field Name                 | Field Value                                                                                                                          | Comments |
| ski                        | '0000'B                                                                                                                              |          |
| rrpd                       | '0110'B                                                                                                                              |          |
| mt                         | '00010100'B                                                                                                                          |          |
| chd                        | ChDescrp_22e(ts_ccch, par_chtype)                                                                                                    |          |
| ma                         | MoblAlc_20_Be2(par_ma1, par_ma2)                                                                                                     |          |
| strt                       | par_stime                                                                                                                            |          |
| cchd                       | CellChDes_20_Be(par_cchd)                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                      |          |

| PDU Constraint Declaration |                                               |          |
|----------------------------|-----------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverAcc_01                                |          |
| <b>PDU Type:</b>           | HOACC_PDU                                     |          |
| <b>Derivation Path:</b>    |                                               |          |
| <b>Comments:</b>           | To match any received HANDOVER ACCESS message |          |
| Field Name                 | Field Value                                   | Comments |
| horf                       | ?                                             |          |
| <b>Detailed Comments:</b>  |                                               |          |

| PDU Constraint Declaration |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverAcc_02(horef:HORF)                                                     |          |
| <b>PDU Type:</b>           | HOACC_PDU                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                |          |
| <b>Comments:</b>           | To match a received HANDOVER ACCESS message with handover reference ` horef` . |          |
| Field Name                 | Field Value                                                                    | Comments |
| horf                       | horef                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| <b>PDU Constraint Declaration</b> |                                                                 |          |
|-----------------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | HandOverCmd_sdcch4(ch:BITSTRING; slot:SN; tsc:TSC; cphms:CPHMS) |          |
| <b>PDU Type:</b>                  | HO_CMD_PDU                                                      |          |
| <b>Derivation Path:</b>           |                                                                 |          |
| <b>Comments:</b>                  | An HANDBOVER COMMAND used in TC_26_8_4.                         |          |
| Field Name                        | Field Value                                                     | Comments |
| ski                               | '0000'B                                                         |          |
| rrpd                              | '0110'B                                                         |          |
| mt                                | '00101011'B                                                     |          |
| cd                                | CellDescrp_r01                                                  |          |
| ch1d_at                           | ChDescrp_r04(ch, slot, tsc)                                     |          |
| horf                              | TSPX_horfA                                                      |          |
| pcmd                              | Pcmd_19('01000'B)                                               |          |
| synchi                            | Synchi_05                                                       |          |
| frqsl_at                          | OMIT                                                            |          |
| frql_at                           | OMIT                                                            |          |
| cchd                              | OMIT                                                            |          |
| ch1mod                            | OMIT                                                            |          |
| ch2d_at                           | OMIT                                                            |          |
| ch2mod                            | OMIT                                                            |          |
| frqchs_at                         | OMIT                                                            |          |
| ma_at                             | OMIT                                                            |          |
| strt                              | OMIT                                                            |          |
| rtdif                             | OMIT                                                            |          |
| ta                                | OMIT                                                            |          |
| frqsl_bt                          | OMIT                                                            |          |
| frql_bt                           | OMIT                                                            |          |
| ch1d_bt                           | OMIT                                                            |          |
| ch2d_bt                           | OMIT                                                            |          |
| frqchs_bt                         | OMIT                                                            |          |
| ma_bt                             | OMIT                                                            |          |
| cphms                             | cphms                                                           |          |
| <b>Detailed Comments:</b>         |                                                                 |          |

| <b>PDU Constraint Declaration</b> |                                                                   |          |
|-----------------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>           | HandOverCmd_dsdccch4(ch:BITSTRING; slot:SN; tsc:TSC; cphms:CPHMS) |          |
| <b>PDU Type:</b>                  | HO_CMD_PDU                                                        |          |
| <b>Derivation Path:</b>           |                                                                   |          |
| <b>Comments:</b>                  | An HANOVER COMMAND used in TC_26_8_4.                             |          |
| Field Name                        | Field Value                                                       | Comments |
| ski                               | '0000'B                                                           |          |
| rrpd                              | '0110'B                                                           |          |
| mt                                | '00101011'B                                                       |          |
| cd                                | CellDescrp_r01d                                                   |          |
| ch1d_at                           | ChDescrp_r04d(ch, slot, tsc)                                      |          |
| horf                              | TSPX_horfA                                                        |          |
| pcmd                              | Pcmd_19('01000'B)                                                 |          |
| synchi                            | Synchi_05                                                         |          |
| frqsl_at                          | OMIT                                                              |          |
| frql_at                           | OMIT                                                              |          |
| cchd                              | OMIT                                                              |          |
| ch1mod                            | OMIT                                                              |          |
| ch2d_at                           | OMIT                                                              |          |
| ch2mod                            | OMIT                                                              |          |
| frqchs_at                         | OMIT                                                              |          |
| ma_at                             | OMIT                                                              |          |
| strt                              | OMIT                                                              |          |
| rtdif                             | OMIT                                                              |          |
| ta                                | OMIT                                                              |          |
| frqsl_bt                          | OMIT                                                              |          |
| frql_bt                           | OMIT                                                              |          |
| ch1d_bt                           | OMIT                                                              |          |
| ch2d_bt                           | OMIT                                                              |          |
| frqchs_bt                         | OMIT                                                              |          |
| ma_bt                             | OMIT                                                              |          |
| cphms                             | cphms                                                             |          |
| <b>Detailed Comments:</b>         |                                                                   |          |

| PDU Constraint Declaration |                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_01(slot:SN; tsc:TSC)                                                          |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                           |          |
| <b>Comments:</b>           | An HANOVER COMMAND used in TC_26_8_4: TSPX_SDCCH4SubB channel, synchronised, no ciphering |          |
| Field Name                 | Field Value                                                                               | Comments |
| ski                        | '0000'B                                                                                   |          |
| rrpd                       | '0110'B                                                                                   |          |
| mt                         | '00101011'B                                                                               |          |
| cd                         | CellDescrp_r01                                                                            |          |
| ch1d_at                    | ChDescrp_r04(TSPX_SDCCH4SubB, slot, tsc)                                                  |          |
| horf                       | TSPX_horfA                                                                                |          |
| pcmd                       | Pcmd_19('01000'B)                                                                         |          |
| synchi                     | Synchi_05                                                                                 |          |
| frqsl_at                   | OMIT                                                                                      |          |
| frql_at                    | OMIT                                                                                      |          |
| cchd                       | OMIT                                                                                      |          |
| ch1mod                     | OMIT                                                                                      |          |
| ch2d_at                    | OMIT                                                                                      |          |
| ch2mod                     | OMIT                                                                                      |          |
| frqchs_at                  | OMIT                                                                                      |          |
| ma_at                      | OMIT                                                                                      |          |
| strt                       | OMIT                                                                                      |          |
| rtdif                      | OMIT                                                                                      |          |
| ta                         | OMIT                                                                                      |          |
| frqsl_bt                   | OMIT                                                                                      |          |
| frql_bt                    | OMIT                                                                                      |          |
| ch1d_bt                    | OMIT                                                                                      |          |
| ch2d_bt                    | OMIT                                                                                      |          |
| frqchs_bt                  | OMIT                                                                                      |          |
| ma_bt                      | OMIT                                                                                      |          |
| cphms                      | CphMod_02iei                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                           |          |

| PDU Constraint Declaration                |                                         |          |
|-------------------------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>                   | HandOverCmd_05(slot:SN; tsc:TSC)        |          |
| <b>PDU Type:</b>                          | HO_CMD_PDU                              |          |
| <b>Derivation Path:</b>                   | HandOverCmd_01.                         |          |
| <b>Comments:</b>                          | The new channel is the TCH/F in cell B. |          |
| Field Name                                | Field Value                             | Comments |
| cd                                        | CellDescrp_r02                          |          |
| ch1d_at                                   | ChDescrp_r10(slot, tsc)                 |          |
| horf                                      | TSPX_horfD                              |          |
| synchi                                    | Synchi_02                               |          |
| <b>Detailed Comments:</b> power level = 8 |                                         |          |

| PDU Constraint Declaration |                                                                              |          |
|----------------------------|------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_06(slot:SN; tsc:TSC; ta :TA)                                     |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                   |          |
| <b>Derivation Path:</b>    |                                                                              |          |
| <b>Comments:</b>           | The new channel is the TCH/F in cell B with timing advance = 9 bits periods. |          |
| Field Name                 | Field Value                                                                  | Comments |
| ski                        | '0000'B                                                                      |          |
| rrpd                       | '0110'B                                                                      |          |
| mt                         | '00101011'B                                                                  |          |
| cd                         | CellDescrp_r01                                                               |          |
| ch1d_at                    | ChDescrp_r10(slot, tsc)                                                      |          |
| horf                       | TSPX_horfF                                                                   |          |
| pcmd                       | Pcmd_19('00111'B)                                                            |          |
| synchi                     | Synchi_05                                                                    |          |
| frqsl_at                   | OMIT                                                                         |          |
| frql_at                    | OMIT                                                                         |          |
| cchd                       | OMIT                                                                         |          |
| ch1mod                     | OMIT                                                                         |          |
| ch2d_at                    | OMIT                                                                         |          |
| ch2mod                     | OMIT                                                                         |          |
| frqchs_at                  | OMIT                                                                         |          |
| ma_at                      | OMIT                                                                         |          |
| strt                       | OMIT                                                                         |          |
| rtdif                      | OMIT                                                                         |          |
| ta                         | ta                                                                           |          |
| frqsl_bt                   | OMIT                                                                         |          |
| frql_bt                    | OMIT                                                                         |          |
| ch1d_bt                    | OMIT                                                                         |          |
| ch2d_bt                    | OMIT                                                                         |          |
| frqchs_bt                  | OMIT                                                                         |          |
| ma_bt                      | OMIT                                                                         |          |
| cphms                      | CphMod_02iei                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                              |          |

| PDU Constraint Declaration |                                         |          |
|----------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_07(slot:SN; tsc:TSC)        |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                              |          |
| <b>Derivation Path:</b>    | HandOverCmd_01.HandOverCmd_05.          |          |
| <b>Comments:</b>           | The new channel is the TCH/F in cell B. |          |
| Field Name                 | Field Value                             | Comments |
| ch1d_at                    | ChDescrp_r10(slot, tsc)                 |          |
| horf                       | TSPX_horfH                              |          |
| pcmd                       | Pcmd_19('01010'B)                       |          |
| synchi                     | Synchi_03                               |          |
| rtdif                      | RelTmdDif_01                            |          |
| <b>Detailed Comments:</b>  |                                         |          |

| PDU Constraint Declaration |                                         |          |
|----------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_08(slot:SN; tsc:TSC)        |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                              |          |
| <b>Derivation Path:</b>    | HandOverCmd_01.                         |          |
| <b>Comments:</b>           | The new channel is the TCH/F in cell B. |          |
| Field Name                 | Field Value                             | Comments |
| cd                         | CellDescrp_r02                          |          |
| ch1d_at                    | ChDescrp_r10(slot, tsc)                 |          |
| horf                       | TSPX_horfB                              |          |
| synchi                     | Synchi_04                               |          |
| <b>Detailed Comments:</b>  |                                         |          |

| PDU Constraint Declaration |                                         |          |
|----------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_09(slot:SN; tsc:TSC)        |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                              |          |
| <b>Derivation Path:</b>    | HandOverCmd_01.                         |          |
| <b>Comments:</b>           | The new channel is the TCH/F in cell B. |          |
| Field Name                 | Field Value                             | Comments |
| cd                         | CellDescrp_r02                          |          |
| ch1d_at                    | ChDescrp_r10(slot, tsc)                 |          |
| horf                       | TSPX_horfC                              |          |
| synchi                     | Synchi_04                               |          |
| <b>Detailed Comments:</b>  | power level = 8                         |          |

| PDU Constraint Declaration |                                                                        |          |
|----------------------------|------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_10(slot:SN; tsc:TSC)                                       |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                             |          |
| <b>Derivation Path:</b>    |                                                                        |          |
| <b>Comments:</b>           | An HANOVER COMMAND indicating finely synchronised intra cell handover. |          |
| Field Name                 | Field Value                                                            | Comments |
| ski                        | '0000'B                                                                |          |
| rrpd                       | '0110'B                                                                |          |
| mt                         | '00101011'B                                                            |          |
| cd                         | CellDescrp_01                                                          |          |
| ch1d_at                    | ChDescrp_14Def('00001'B, slot, tsc)                                    |          |
| horf                       | TSPX_horfA                                                             |          |
| pcmd                       | Pcmd_19('00111'B)                                                      |          |
| synchi                     | Synchi_05                                                              |          |
| frqsl_at                   | OMIT                                                                   |          |
| frql_at                    | OMIT                                                                   |          |
| cchd                       | OMIT                                                                   |          |
| ch1mod                     | OMIT                                                                   |          |
| ch2d_at                    | OMIT                                                                   |          |
| ch2mod                     | OMIT                                                                   |          |
| frqchs_at                  | OMIT                                                                   |          |
| ma_at                      | OMIT                                                                   |          |
| strt                       | OMIT                                                                   |          |
| rtdif                      | OMIT                                                                   |          |
| ta                         | OMIT                                                                   |          |
| frqsl_bt                   | OMIT                                                                   |          |
| frql_bt                    | OMIT                                                                   |          |
| ch1d_bt                    | OMIT                                                                   |          |
| ch2d_bt                    | OMIT                                                                   |          |
| frqchs_bt                  | OMIT                                                                   |          |
| ma_bt                      | OMIT                                                                   |          |
| cphms                      | CphMod_02iei                                                           |          |
| <b>Detailed Comments:</b>  |                                                                        |          |

| PDU Constraint Declaration |                                                                     |          |
|----------------------------|---------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_11(slot:SN; tsc:TSC)                                    |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                          |          |
| <b>Derivation Path:</b>    | HandOverCmd_01.                                                     |          |
| <b>Comments:</b>           | An HANOVER COMMAND indicating non-synchronised intra cell handover. |          |
| Field Name                 | Field Value                                                         | Comments |
| cd                         | CellDescrp_02                                                       |          |
| ch1d_at                    | ChDescrp_04(slot, tsc)                                              |          |
| horf                       | TSPX_horfB                                                          |          |
| pcmd                       | Pcmd_19('00111'B)                                                   |          |
| synchi                     | Synchi_04                                                           |          |
| <b>Detailed Comments:</b>  |                                                                     |          |

| PDU Constraint Declaration |                                         |          |
|----------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_12(slot:SN; tsc:TSC)        |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                              |          |
| <b>Derivation Path:</b>    | HandOverCmd_01.                         |          |
| <b>Comments:</b>           | The new channel is the TCH/F in cell B. |          |
| Field Name                 | Field Value                             | Comments |
| cd                         | CellDescrp_r02d                         |          |
| ch1d_at                    | ChDescrp_r10(slot, tsc)                 |          |
| horf                       | TSPX_horfD                              |          |
| synchi                     | Synchi_02                               |          |
| <b>Detailed Comments:</b>  | power level = 8                         |          |

| PDU Constraint Declaration |                                                                              |          |
|----------------------------|------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_13(slot:SN; tsc:TSC; ta:TA)                                      |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                   |          |
| <b>Derivation Path:</b>    | HandOverCmd_06.                                                              |          |
| <b>Comments:</b>           | The new channel is the TCH/F in cell B with timing advance = 9 bits periods. |          |
| Field Name                 | Field Value                                                                  | Comments |
| cd                         | CellDescrp_r02d                                                              |          |
| ch1d_at                    | ChDescrp_r10(slot, tsc)                                                      |          |
| horf                       | TSPX_horfF                                                                   |          |
| pcmd                       | Pcmd_19('00111'B)                                                            |          |
| ta                         | ta                                                                           |          |
| <b>Detailed Comments:</b>  | power level = 7                                                              |          |

| PDU Constraint Declaration |                                                                              |          |
|----------------------------|------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_14(slot:SN; tsc:TSC)                                             |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                   |          |
| <b>Derivation Path:</b>    | HandOverCmd_01.HandOverCmd_05.                                               |          |
| <b>Comments:</b>           | The new channel is the TCH/F in cell B with timing advance = 9 bits periods. |          |
| Field Name                 | Field Value                                                                  | Comments |
| cd                         | CellDescrp_r02d                                                              |          |
| ch1d_at                    | ChDescrp_r10(slot, tsc)                                                      |          |
| horf                       | TSPX_horfH                                                                   |          |
| pcmd                       | Pcmd_19('01010'B)                                                            |          |
| synchi                     | Synchi_03                                                                    |          |
| rtdif                      | RelTmdDif_01                                                                 |          |
| <b>Detailed Comments:</b>  | power level = 10                                                             |          |

| PDU Constraint Declaration |                                         |          |
|----------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_15(slot:SN; tsc:TSC)        |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                              |          |
| <b>Derivation Path:</b>    | HandOverCmd_01.                         |          |
| <b>Comments:</b>           | The new channel is the TCH/F in cell B. |          |
| Field Name                 | Field Value                             | Comments |
| cd                         | CellDescrp_r02d                         |          |
| ch1d_at                    | ChDescrp_r10(slot, tsc)                 |          |
| horf                       | TSPX_horfD                              |          |
| synchi                     | Synchi_04                               |          |
| <b>Detailed Comments:</b>  | power level = 8                         |          |



| PDU Constraint Declaration |                                         |          |
|----------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_16(slot:SN; tsc:TSC)        |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                              |          |
| <b>Derivation Path:</b>    | HandOverCmd_01.                         |          |
| <b>Comments:</b>           | The new channel is the TCH/F in cell B. |          |
| Field Name                 | Field Value                             | Comments |
| cd                         | CellDescrp_r02d                         |          |
| ch1d_at                    | ChDescrp_r10(slot, tsc)                 |          |
| horf                       | TSPX_horfC                              |          |
| synchi                     | Synchi_04                               |          |
| <b>Detailed Comments:</b>  | power level = 8                         |          |

| PDU Constraint Declaration |                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_20(ho_ref: HORF;ts_ccch: BITSTRING; par_arfcn: INTEGER; pow:BITSTRING; ta:TA) |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                           |          |
| <b>Comments:</b>           | A basic HANDOVER COMMAND containing .                                                     |          |
| Field Name                 | Field Value                                                                               | Comments |
| ski                        | '0000'B                                                                                   |          |
| rrpd                       | '0110'B                                                                                   |          |
| mt                         | '00101011'B                                                                               |          |
| cd                         | OMIT                                                                                      |          |
| ch1d_at                    | OMIT                                                                                      |          |
| horf                       | ho_ref                                                                                    |          |
| pcmd                       | Pcmd_20(pow)                                                                              |          |
| synchi                     | Synchi_01                                                                                 |          |
| frqsl_at                   | OMIT                                                                                      |          |
| frql_at                    | OMIT                                                                                      |          |
| cchd                       | OMIT                                                                                      |          |
| ch1mod                     | OMIT                                                                                      |          |
| ch2d_at                    | OMIT                                                                                      |          |
| ch2mod                     | OMIT                                                                                      |          |
| frqchs_at                  | OMIT                                                                                      |          |
| ma_at                      | OMIT                                                                                      |          |
| strt                       | OMIT                                                                                      |          |
| rtdif                      | OMIT                                                                                      |          |
| ta                         | ta                                                                                        |          |
| frqsl_bt                   | OMIT                                                                                      |          |
| frql_bt                    | OMIT                                                                                      |          |
| ch1d_bt                    | OMIT                                                                                      |          |
| ch2d_bt                    | OMIT                                                                                      |          |
| frqchs_bt                  | OMIT                                                                                      |          |
| ma_bt                      | OMIT                                                                                      |          |
| cphms                      | OMIT                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                           |          |

| PDU Constraint Declaration |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_21_A(ho_ref: HORF;ts_ccch: BITSTRING; par_arfcn: INTEGER; pow:BITSTRING; ta:TA) |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                                  |          |
| <b>Derivation Path:</b>    | HandOverCmd_20.                                                                             |          |
| <b>Comments:</b>           | A derived HANDBOVER COMMAND containing TCH/F_NonFH in non synchronized new CELL A.          |          |
| Field Name                 | Field Value                                                                                 | Comments |
| cd                         | CellDescrp_21_A                                                                             |          |
| ch1d_at                    | ChDescrp_21(ts_ccch, par_arfcn)                                                             |          |
| horf                       | ho_ref                                                                                      |          |
| pcmd                       | Pcmd_20(pow)                                                                                |          |
| synchi                     | Synchi_01                                                                                   |          |
| ch1mod                     | ChMod_speech_iei                                                                            |          |
| strt                       | OMIT                                                                                        |          |
| ta                         | ta                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| PDU Constraint Declaration |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_21_B(ho_ref: HORF;ts_ccch: BITSTRING; par_arfcn: INTEGER; pow:BITSTRING; ta:TA) |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                                  |          |
| <b>Derivation Path:</b>    | HandOverCmd_20.                                                                             |          |
| <b>Comments:</b>           | A derived HANDBOVER COMMAND containing TCH/F_NonFH in non synchronized new CELL B.          |          |
| Field Name                 | Field Value                                                                                 | Comments |
| cd                         | CellDescrp_21_B                                                                             |          |
| ch1d_at                    | ChDescrp_21(ts_ccch, par_arfcn)                                                             |          |
| horf                       | ho_ref                                                                                      |          |
| pcmd                       | Pcmd_20(pow)                                                                                |          |
| synchi                     | Synchi_01                                                                                   |          |
| ta                         | ta                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| PDU Constraint Declaration |                                                                                                           |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_21_B2(ho_ref: HORF;ts_ccch: BITSTRING; par_arfcn: INTEGER; pow:BITSTRING; ta:TA; strt:STRT)   |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                           |          |
| <b>Comments:</b>           | A derived HANDBOVER COMMAND containing TCH/F_NonFH in non synchronized new CELL B for GSM900 and DCS1800. |          |
| Field Name                 | Field Value                                                                                               | Comments |
| ski                        | '0000'B                                                                                                   |          |
| rrpd                       | '0110'B                                                                                                   |          |
| mt                         | '00101011'B                                                                                               |          |
| cd                         | CellDescrp_21_B                                                                                           |          |
| ch1d_at                    | ChDescrp_21(ts_ccch, par_arfcn)                                                                           |          |
| horf                       | ho_ref                                                                                                    |          |
| pcmd                       | Pcmd_20(pow)                                                                                              |          |
| synchi                     | Synchi_01                                                                                                 |          |
| frqsl_at                   | OMIT                                                                                                      |          |
| frql_at                    | OMIT                                                                                                      |          |
| cchd                       | OMIT                                                                                                      |          |
| ch1mod                     | OMIT                                                                                                      |          |
| ch2d_at                    | OMIT                                                                                                      |          |
| ch2mod                     | OMIT                                                                                                      |          |
| frqchs_at                  | OMIT                                                                                                      |          |
| ma_at                      | OMIT                                                                                                      |          |
| strt                       | strt                                                                                                      |          |
| rtdif                      | OMIT                                                                                                      |          |
| ta                         | ta                                                                                                        |          |
| frqsl_bt                   | OMIT                                                                                                      |          |
| frql_bt                    | OMIT                                                                                                      |          |
| ch1d_bt                    | OMIT                                                                                                      |          |
| ch2d_bt                    | OMIT                                                                                                      |          |
| frqchs_bt                  | OMIT                                                                                                      |          |
| ma_bt                      | OMIT                                                                                                      |          |
| cphms                      | OMIT                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                           |          |

| PDU Constraint Declaration |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_22(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)         |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                    |          |
| <b>Derivation Path:</b>    |                                                                               |          |
| <b>Comments:</b>           | A derived HANOVER COMMAND containing TCH/F_FH in non synchronized new CELL A. |          |
| Field Name                 | Field Value                                                                   | Comments |
| ski                        | '0000'B                                                                       |          |
| rrpd                       | '0110'B                                                                       |          |
| mt                         | '00101011'B                                                                   |          |
| cd                         | CellDescrp_21_A                                                               |          |
| ch1d_at                    | ChDescrp_22(ts_ccch)                                                          |          |
| horf                       | ho_ref                                                                        |          |
| pcmd                       | Pcmd_20(pow)                                                                  |          |
| synchi                     | OMIT                                                                          |          |
| frqsl_at                   | OMIT                                                                          |          |
| frql_at                    | OMIT                                                                          |          |
| cchd                       | OMIT                                                                          |          |
| ch1mod                     | OMIT                                                                          |          |
| ch2d_at                    | OMIT                                                                          |          |
| ch2mod                     | OMIT                                                                          |          |
| frqchs_at                  | Freqchseq_22                                                                  |          |
| ma_at                      | OMIT                                                                          |          |
| strt                       | OMIT                                                                          |          |
| rtdif                      | OMIT                                                                          |          |
| ta                         | ta                                                                            |          |
| frqsl_bt                   | OMIT                                                                          |          |
| frql_bt                    | OMIT                                                                          |          |
| ch1d_bt                    | OMIT                                                                          |          |
| ch2d_bt                    | OMIT                                                                          |          |
| frqchs_bt                  | OMIT                                                                          |          |
| ma_bt                      | OMIT                                                                          |          |
| cphms                      | OMIT                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| PDU Constraint Declaration |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_22d(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)        |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                    |          |
| <b>Derivation Path:</b>    |                                                                               |          |
| <b>Comments:</b>           | A derived HANOVER COMMAND containing TCH/F_FH in non synchronized new CELL A. |          |
| Field Name                 | Field Value                                                                   | Comments |
| ski                        | '0000'B                                                                       |          |
| rrpd                       | '0110'B                                                                       |          |
| mt                         | '00101011'B                                                                   |          |
| cd                         | CellDescrp_21_A                                                               |          |
| ch1d_at                    | ChDescrp_22(ts_ccch)                                                          |          |
| horf                       | ho_ref                                                                        |          |
| pcmd                       | Pcmd_20(pow)                                                                  |          |
| synchi                     | OMIT                                                                          |          |
| frqsl_at                   | Frql_20_Ad                                                                    |          |
| frql_at                    | OMIT                                                                          |          |
| cchd                       | OMIT                                                                          |          |
| ch1mod                     | OMIT                                                                          |          |
| ch2d_at                    | OMIT                                                                          |          |
| ch2mod                     | OMIT                                                                          |          |
| frqchs_at                  | OMIT                                                                          |          |
| ma_at                      | OMIT                                                                          |          |
| strt                       | OMIT                                                                          |          |
| rtdif                      | OMIT                                                                          |          |
| ta                         | ta                                                                            |          |
| frqsl_bt                   | OMIT                                                                          |          |
| frql_bt                    | OMIT                                                                          |          |
| ch1d_bt                    | OMIT                                                                          |          |
| ch2d_bt                    | OMIT                                                                          |          |
| frqchs_bt                  | OMIT                                                                          |          |
| ma_bt                      | OMIT                                                                          |          |
| cphms                      | OMIT                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| PDU Constraint Declaration |                                                                        |          |
|----------------------------|------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_220(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA) |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                             |          |
| <b>Derivation Path:</b>    |                                                                        |          |
| <b>Comments:</b>           | A basic HANDOVER COMMAND                                               |          |
| Field Name                 | Field Value                                                            | Comments |
| ski                        | '0000'B                                                                |          |
| rrpd                       | '0110'B                                                                |          |
| mt                         | '00101011'B                                                            |          |
| cd                         | CellDescrp_21_A                                                        |          |
| ch1d_at                    | ChDescrp_22(ts_ccch)                                                   |          |
| horf                       | ho_ref                                                                 |          |
| pcmd                       | Pcmd_20(pow)                                                           |          |
| synchi                     | OMIT                                                                   |          |
| frqsl_at                   | OMIT                                                                   |          |
| frql_at                    | OMIT                                                                   |          |
| cchd                       | OMIT                                                                   |          |
| ch1mod                     | OMIT                                                                   |          |
| ch2d_at                    | OMIT                                                                   |          |
| ch2mod                     | OMIT                                                                   |          |
| frqchs_at                  | OMIT                                                                   |          |
| ma_at                      | OMIT                                                                   |          |
| strt                       | OMIT                                                                   |          |
| rtdif                      | OMIT                                                                   |          |
| ta                         | ta                                                                     |          |
| frqsl_bt                   | OMIT                                                                   |          |
| frql_bt                    | OMIT                                                                   |          |
| ch1d_bt                    | OMIT                                                                   |          |
| ch2d_bt                    | OMIT                                                                   |          |
| frqchs_bt                  | OMIT                                                                   |          |
| ma_bt                      | OMIT                                                                   |          |
| cphms                      | OMIT                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                        |          |

| PDU Constraint Declaration |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_22_B1(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)       |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                     |          |
| <b>Derivation Path:</b>    | HandOverCmd_22.                                                                |          |
| <b>Comments:</b>           | A derived HANDOVER COMMAND containing TCH/F_FH in non synchronized new CELL B. |          |
| Field Name                 | Field Value                                                                    | Comments |
| cd                         | CellDescrp_21_B                                                                |          |
| ch1d_at                    | ChDescrp_22(ts_ccch)                                                           |          |
| horf                       | ho_ref                                                                         |          |
| pcmd                       | Pcmd_20(pow)                                                                   |          |
| synchi                     | OMIT                                                                           |          |
| ch1mod                     | ChMod_speech_iei                                                               |          |
| frqchs_at                  | Freqchseq_06                                                                   |          |
| strt                       | OMIT                                                                           |          |
| ta                         | ta                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| PDU Constraint Declaration |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_22_B1d(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)     |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                    |          |
| <b>Derivation Path:</b>    | HandOverCmd_22.                                                               |          |
| <b>Comments:</b>           | A derived HANOVER COMMAND containing TCH/F_FH in non synchronized new CELL B. |          |
| Field Name                 | Field Value                                                                   | Comments |
| cd                         | CellDescrp_21_B                                                               |          |
| ch1d_at                    | ChDescrp_22(ts_ccch)                                                          |          |
| horf                       | ho_ref                                                                        |          |
| pcmd                       | Pcmd_20(pow)                                                                  |          |
| synchi                     | OMIT                                                                          |          |
| frqsl_at                   | Frql_20_B5d                                                                   |          |
| ch1mod                     | ChMod_speech_iei                                                              |          |
| strt                       | OMIT                                                                          |          |
| ta                         | ta                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| PDU Constraint Declaration |                                                                                                                                                 |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_22_B1e(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; par_chtype:BITSTRING; par_flist:OCTETSTRING; par_flistl: OCTETSTRING; ta:TA) |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                                                                                 |          |
| <b>Comments:</b>           | A derived HANOVER COMMAND containing TCH/F_FH in non synchronized new CELL B, specified for EGSM.                                               |          |
| Field Name                 | Field Value                                                                                                                                     | Comments |
| ski                        | '0000'B                                                                                                                                         |          |
| rrpd                       | '0110'B                                                                                                                                         |          |
| mt                         | '00101011'B                                                                                                                                     |          |
| cd                         | CellDescrp_21_Be                                                                                                                                |          |
| ch1d_at                    | ChDescrp_22e(ts_ccch, par_chtype)                                                                                                               |          |
| horf                       | ho_ref                                                                                                                                          |          |
| pcmd                       | Pcmd_20(pow)                                                                                                                                    |          |
| synchi                     | OMIT                                                                                                                                            |          |
| frqsl_at                   | Frql_20_egsm(par_flist, par_flistl)                                                                                                             |          |
| frql_at                    | OMIT                                                                                                                                            |          |
| cchd                       | OMIT                                                                                                                                            |          |
| ch1mod                     | ChMod_speech_iei                                                                                                                                |          |
| ch2d_at                    | OMIT                                                                                                                                            |          |
| ch2mod                     | OMIT                                                                                                                                            |          |
| frqchs_at                  | Freqchseq_22                                                                                                                                    |          |
| ma_at                      | OMIT                                                                                                                                            |          |
| strt                       | OMIT                                                                                                                                            |          |
| rtdif                      | OMIT                                                                                                                                            |          |
| ta                         | ta                                                                                                                                              |          |
| frqsl_bt                   | OMIT                                                                                                                                            |          |
| frql_bt                    | OMIT                                                                                                                                            |          |
| ch1d_bt                    | OMIT                                                                                                                                            |          |
| ch2d_bt                    | OMIT                                                                                                                                            |          |
| frqchs_bt                  | OMIT                                                                                                                                            |          |
| ma_bt                      | OMIT                                                                                                                                            |          |
| cphms                      | OMIT                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                 |          |

| PDU Constraint Declaration |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_22_B2(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)      |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                    |          |
| <b>Derivation Path:</b>    | HandOverCmd_22.                                                               |          |
| <b>Comments:</b>           | A derived HANOVER COMMAND containing TCH/F_FH in non synchronized new CELL B. |          |
| Field Name                 | Field Value                                                                   | Comments |
| cd                         | CellDescrp_21_B                                                               |          |
| ch1d_at                    | ChDescrp_22(ts_ccch)                                                          |          |
| horf                       | ho_ref                                                                        |          |
| pcmd                       | Pcmd_20(pow)                                                                  |          |
| synchi                     | OMIT                                                                          |          |
| cchd                       | CellChDes_20_B                                                                |          |
| ch1mod                     | ChMod_sign_iei                                                                |          |
| frqchs_at                  | OMIT                                                                          |          |
| ma_at                      | MoblAllc_20_B1iei                                                             |          |
| strt                       | OMIT                                                                          |          |
| ta                         | ta                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| PDU Constraint Declaration |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_22_B2d(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)     |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                    |          |
| <b>Derivation Path:</b>    | HandOverCmd_22.                                                               |          |
| <b>Comments:</b>           | A derived HANOVER COMMAND containing TCH/F_FH in non synchronized new CELL B. |          |
| Field Name                 | Field Value                                                                   | Comments |
| cd                         | CellDescrp_21_B                                                               |          |
| ch1d_at                    | ChDescrp_22(ts_ccch)                                                          |          |
| horf                       | ho_ref                                                                        |          |
| pcmd                       | Pcmd_20(pow)                                                                  |          |
| synchi                     | OMIT                                                                          |          |
| frql_at                    | Frql_20_B9d                                                                   |          |
| ch1mod                     | ChMod_sign_iei                                                                |          |
| frqchs_at                  | OMIT                                                                          |          |
| strt                       | OMIT                                                                          |          |
| ta                         | ta                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                               |          |



| PDU Constraint Declaration |                                                                                                                                                 |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_22_B2e(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; par_chtype:BITSTRING; par_flist:OCTETSTRING; par_flistl: OCTETSTRING; ta:TA) |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                                                                                 |          |
| <b>Comments:</b>           | A derived HANDOVER COMMAND containing TCH/F_FH in non synchronized new CELL B, specified for EGSM.                                              |          |
| Field Name                 | Field Value                                                                                                                                     | Comments |
| ski                        | '0000'B                                                                                                                                         |          |
| rrpd                       | '0110'B                                                                                                                                         |          |
| mt                         | '00101011'B                                                                                                                                     |          |
| cd                         | CellDescrp_21_Be                                                                                                                                |          |
| ch1d_at                    | ChDescrp_22e(ts_ccch, par_chtype)                                                                                                               |          |
| horf                       | ho_ref                                                                                                                                          |          |
| pcmd                       | Pcmd_20(pow)                                                                                                                                    |          |
| synchi                     | OMIT                                                                                                                                            |          |
| frqsl_at                   | OMIT                                                                                                                                            |          |
| frql_at                    | Frql_20_egsm(par_flist, par_flistl)                                                                                                             |          |
| cchd                       | OMIT                                                                                                                                            |          |
| ch1mod                     | ChMod_speech_iei                                                                                                                                |          |
| ch2d_at                    | OMIT                                                                                                                                            |          |
| ch2mod                     | OMIT                                                                                                                                            |          |
| frqchs_at                  | Freqchseq_22                                                                                                                                    |          |
| ma_at                      | OMIT                                                                                                                                            |          |
| strt                       | OMIT                                                                                                                                            |          |
| rtdif                      | OMIT                                                                                                                                            |          |
| ta                         | ta                                                                                                                                              |          |
| frqsl_bt                   | OMIT                                                                                                                                            |          |
| frql_bt                    | OMIT                                                                                                                                            |          |
| ch1d_bt                    | OMIT                                                                                                                                            |          |
| ch2d_bt                    | OMIT                                                                                                                                            |          |
| frqchs_bt                  | OMIT                                                                                                                                            |          |
| ma_bt                      | OMIT                                                                                                                                            |          |
| cphms                      | OMIT                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                 |          |

| PDU Constraint Declaration |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_22_B3(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)       |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                     |          |
| <b>Derivation Path:</b>    | HandOverCmd_22.                                                                |          |
| <b>Comments:</b>           | A derived HANDOVER COMMAND containing TCH/F_FH in non synchronized new CELL B. |          |
| Field Name                 | Field Value                                                                    | Comments |
| cd                         | CellDescrp_21_B                                                                |          |
| ch1d_at                    | ChDescrp_22(ts_ccch)                                                           |          |
| horf                       | ho_ref                                                                         |          |
| pcmd                       | Pcmd_20(pow)                                                                   |          |
| synchi                     | OMIT                                                                           |          |
| frql_at                    | Frql_20_B2                                                                     |          |
| ch1mod                     | ChMod_speech_iei                                                               |          |
| frqchs_at                  | OMIT                                                                           |          |
| strt                       | OMIT                                                                           |          |
| ta                         | ta                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| PDU Constraint Declaration |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_22_B3d(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)     |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                    |          |
| <b>Derivation Path:</b>    | HandOverCmd_22.                                                               |          |
| <b>Comments:</b>           | A derived HANOVER COMMAND containing TCH/F_FH in non synchronized new CELL B. |          |
| Field Name                 | Field Value                                                                   | Comments |
| cd                         | CellDescrp_21_B                                                               |          |
| ch1d_at                    | ChDescrp_22(ts_ccch)                                                          |          |
| horf                       | ho_ref                                                                        |          |
| pcmd                       | Pcmd_20(pow)                                                                  |          |
| synchi                     | OMIT                                                                          |          |
| cchd                       | CellChDes_20_B0d                                                              |          |
| ch1mod                     | ChMod_speech_iei                                                              |          |
| ma_at                      | MobAllc_22                                                                    |          |
| strt                       | OMIT                                                                          |          |
| ta                         | ta                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| PDU Constraint Declaration |                                                                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_22_B3e(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; par_chtype:BITSTRING; par_cchd: OCTETSTRING; par_ma1:BITSTRING; par_ma2:BITSTRING; ta:TA) |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                                                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                                                                                              |          |
| <b>Comments:</b>           | A derived HANOVER COMMAND containing TCH/F_FH in non synchronized new CELL B, specified for EGSM.                                                            |          |
| Field Name                 | Field Value                                                                                                                                                  | Comments |
| ski                        | '0000'B                                                                                                                                                      |          |
| rrpd                       | '0110'B                                                                                                                                                      |          |
| mt                         | '00101011'B                                                                                                                                                  |          |
| cd                         | CellDescrp_21_Be                                                                                                                                             |          |
| ch1d_at                    | ChDescrp_22e(ts_ccch, par_chtype)                                                                                                                            |          |
| horf                       | ho_ref                                                                                                                                                       |          |
| pcmd                       | Pcmd_20(pow)                                                                                                                                                 |          |
| synchi                     | OMIT                                                                                                                                                         |          |
| frqsl_at                   | OMIT                                                                                                                                                         |          |
| frql_at                    | OMIT                                                                                                                                                         |          |
| cchd                       | CellChDes_20_Be(par_cchd)                                                                                                                                    |          |
| ch1mod                     | ChMod_speech_iei                                                                                                                                             |          |
| ch2d_at                    | OMIT                                                                                                                                                         |          |
| ch2mod                     | OMIT                                                                                                                                                         |          |
| frqchs_at                  | Freqchseq_22                                                                                                                                                 |          |
| ma_at                      | MobAllc_20_Be2iei(par_ma1, par_ma2)                                                                                                                          |          |
| strt                       | OMIT                                                                                                                                                         |          |
| rtdif                      | OMIT                                                                                                                                                         |          |
| ta                         | ta                                                                                                                                                           |          |
| frqsl_bt                   | OMIT                                                                                                                                                         |          |
| frql_bt                    | OMIT                                                                                                                                                         |          |
| ch1d_bt                    | OMIT                                                                                                                                                         |          |
| ch2d_bt                    | OMIT                                                                                                                                                         |          |
| frqchs_bt                  | OMIT                                                                                                                                                         |          |
| ma_bt                      | OMIT                                                                                                                                                         |          |
| cphms                      | OMIT                                                                                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                              |          |

| PDU Constraint Declaration |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_22_B4(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)      |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                    |          |
| <b>Derivation Path:</b>    | HandOverCmd_22.                                                               |          |
| <b>Comments:</b>           | A derived HANOVER COMMAND containing TCH/F_FH in non synchronized new CELL B. |          |
| Field Name                 | Field Value                                                                   | Comments |
| cd                         | CellDescrp_21_B                                                               |          |
| ch1d_at                    | ChDescrp_22(ts_ccch)                                                          |          |
| horf                       | ho_ref                                                                        |          |
| pcmd                       | Pcmd_20(pow)                                                                  |          |
| synchi                     | OMIT                                                                          |          |
| ch1mod                     | ChMod_speech_iei                                                              |          |
| frqchs_at                  | Freqchseq_03                                                                  |          |
| strt                       | OMIT                                                                          |          |
| ta                         | ta                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| PDU Constraint Declaration |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_22_B4d(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)     |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                    |          |
| <b>Derivation Path:</b>    | HandOverCmd_22.                                                               |          |
| <b>Comments:</b>           | A derived HANOVER COMMAND containing TCH/F_FH in non synchronized new CELL B. |          |
| Field Name                 | Field Value                                                                   | Comments |
| cd                         | CellDescrp_21_B                                                               |          |
| ch1d_at                    | ChDescrp_22(ts_ccch)                                                          |          |
| horf                       | ho_ref                                                                        |          |
| pcmd                       | Pcmd_20(pow)                                                                  |          |
| synchi                     | OMIT                                                                          |          |
| frqsl_at                   | Frql_20_B10d                                                                  |          |
| ch1mod                     | ChMod_speech_iei                                                              |          |
| strt                       | OMIT                                                                          |          |
| ta                         | ta                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| PDU Constraint Declaration |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_22_B5(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)      |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                    |          |
| <b>Derivation Path:</b>    | HandOverCmd_22.                                                               |          |
| <b>Comments:</b>           | A derived HANOVER COMMAND containing TCH/F_FH in non synchronized new CELL B. |          |
| Field Name                 | Field Value                                                                   | Comments |
| cd                         | CellDescrp_21_B                                                               |          |
| ch1d_at                    | ChDescrp_22(ts_ccch)                                                          |          |
| horf                       | ho_ref                                                                        |          |
| pcmd                       | Pcmd_20(pow)                                                                  |          |
| synchi                     | Synchi_05                                                                     |          |
| ch1mod                     | ChMod_speech_iei                                                              |          |
| frqchs_at                  | Freqchseq_05                                                                  |          |
| strt                       | OMIT                                                                          |          |
| ta                         | ta                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| PDU Constraint Declaration |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_22_B5d(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)     |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                    |          |
| <b>Derivation Path:</b>    | HandOverCmd_22.                                                               |          |
| <b>Comments:</b>           | A derived HANOVER COMMAND containing TCH/F_FH in non synchronized new CELL B. |          |
| Field Name                 | Field Value                                                                   | Comments |
| cd                         | CellDescrp_21_B                                                               |          |
| ch1d_at                    | ChDescrp_22(ts_ccch)                                                          |          |
| horf                       | ho_ref                                                                        |          |
| pcmd                       | Pcmd_20(pow)                                                                  |          |
| synchi                     | Synchi_05                                                                     |          |
| frqsl_at                   | Frql_20_B12d                                                                  |          |
| ch1mod                     | ChMod_speech_iei                                                              |          |
| strt                       | OMIT                                                                          |          |
| ta                         | ta                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| PDU Constraint Declaration |                                                                                              |          |
|----------------------------|----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_23_A1(ho_ref: HORF;ts_ccch: BITSTRING; par_arfcn: INTEGER; pow:BITSTRING; ta:TA) |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                                   |          |
| <b>Derivation Path:</b>    | HandOverCmd_20.                                                                              |          |
| <b>Comments:</b>           | A derived HANOVER COMMAND containing TCH/H_NonFH in non synchronized new CELL A.             |          |
| Field Name                 | Field Value                                                                                  | Comments |
| cd                         | CellDescrp_21_A                                                                              |          |
| ch1d_at                    | ChDescrp_23f(ts_ccch, par_arfcn)                                                             |          |
| horf                       | ho_ref                                                                                       |          |
| pcmd                       | Pcmd_20(pow)                                                                                 |          |
| ma_at                      | MoblAllic_20_A2                                                                              |          |
| strt                       | OMIT                                                                                         |          |
| ta                         | ta                                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                              |          |

| PDU Constraint Declaration |                                                                                              |          |
|----------------------------|----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_23_B1(ho_ref: HORF;ts_ccch: BITSTRING; par_arfcn: INTEGER; pow:BITSTRING; ta:TA) |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                                   |          |
| <b>Derivation Path:</b>    | HandOverCmd_20.                                                                              |          |
| <b>Comments:</b>           | A derived HANOVER COMMAND containing TCH/H_NonFH in non synchronized new CELL A.             |          |
| Field Name                 | Field Value                                                                                  | Comments |
| cd                         | CellDescrp_21_B                                                                              |          |
| ch1d_at                    | ChDescrp_23(ts_ccch, par_arfcn)                                                              |          |
| horf                       | ho_ref                                                                                       |          |
| pcmd                       | Pcmd_20(pow)                                                                                 |          |
| synchi                     | Synchi_01                                                                                    |          |
| ch1mod                     | ChMod_sign_iei                                                                               |          |
| ta                         | ta                                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                              |          |

| PDU Constraint Declaration |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_24_A1(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)       |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                     |          |
| <b>Derivation Path:</b>    | HandOverCmd_220.                                                               |          |
| <b>Comments:</b>           | A derived HANDOVER COMMAND containing TCH/H_FH in non synchronized new CELL A. |          |
| Field Name                 | Field Value                                                                    | Comments |
| cd                         | CellDescrp_21_A                                                                |          |
| ch1d_at                    | ChDescrp_241(ts_ccch)                                                          |          |
| horf                       | ho_ref                                                                         |          |
| pcmd                       | Pcmd_20(pow)                                                                   |          |
| cchd                       | CellChDes_20_A                                                                 |          |
| ma_at                      | MoblAllc_20_A1                                                                 |          |
| strt                       | OMIT                                                                           |          |
| ta                         | ta                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| PDU Constraint Declaration |                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_24_A1d(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)                  |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                                 |          |
| <b>Derivation Path:</b>    | HandOverCmd_220.                                                                           |          |
| <b>Comments:</b>           | A derived HANDOVER COMMAND containing TCH/H_FH in non synchronized new CELL A for DCS1800. |          |
| Field Name                 | Field Value                                                                                | Comments |
| cd                         | CellDescrp_21_A                                                                            |          |
| ch1d_at                    | ChDescrp_241(ts_ccch)                                                                      |          |
| horf                       | ho_ref                                                                                     |          |
| pcmd                       | Pcmd_20(pow)                                                                               |          |
| cchd                       | CellChDes_202_Ad                                                                           |          |
| ma_at                      | MoblAllc_20_A1                                                                             |          |
| strt                       | OMIT                                                                                       |          |
| ta                         | ta                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                            |          |

| PDU Constraint Declaration |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_24_B1(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)       |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                     |          |
| <b>Derivation Path:</b>    | HandOverCmd_220.                                                               |          |
| <b>Comments:</b>           | A derived HANDOVER COMMAND containing TCH/H_FH in non synchronized new CELL B. |          |
| Field Name                 | Field Value                                                                    | Comments |
| cd                         | CellDescrp_21_B                                                                |          |
| ch1d_at                    | ChDescrp_241(ts_ccch)                                                          |          |
| horf                       | ho_ref                                                                         |          |
| pcmd                       | Pcmd_20(pow)                                                                   |          |
| synchi                     | Synchi_01                                                                      |          |
| frql_at                    | Frql_20_B3                                                                     |          |
| ta                         | ta                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| PDU Constraint Declaration |                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_24_B1d(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)                 |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                                |          |
| <b>Derivation Path:</b>    | HandOverCmd_220.                                                                          |          |
| <b>Comments:</b>           | A derived HANOVER COMMAND containing TCH/H_FH in non synchronized new CELL B for DCS1800. |          |
| Field Name                 | Field Value                                                                               | Comments |
| cd                         | CellDescrp_21_B                                                                           |          |
| ch1d_at                    | ChDescrp_241(ts_ccch)                                                                     |          |
| horf                       | ho_ref                                                                                    |          |
| pcmd                       | Pcmd_20(pow)                                                                              |          |
| synchi                     | Synchi_01                                                                                 |          |
| frql_at                    | Frql_20_B3d                                                                               |          |
| ta                         | ta                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                           |          |

| PDU Constraint Declaration |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_24_B2(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)      |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                    |          |
| <b>Derivation Path:</b>    | HandOverCmd_220.                                                              |          |
| <b>Comments:</b>           | A derived HANOVER COMMAND containing TCH/H_FH in non synchronized new CELL B. |          |
| Field Name                 | Field Value                                                                   | Comments |
| cd                         | CellDescrp_21_B                                                               |          |
| ch1d_at                    | ChDescrp_241(ts_ccch)                                                         |          |
| horf                       | ho_ref                                                                        |          |
| pcmd                       | Pcmd_20(pow)                                                                  |          |
| synchi                     | Synchi_01                                                                     |          |
| cchd                       | CellChDes_21_B                                                                |          |
| ch1mod                     | ChMod_speech_iei                                                              |          |
| ma_at                      | MoblAlc_252                                                                   |          |
| ta                         | ta                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| PDU Constraint Declaration |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_24_B2d(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)     |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                    |          |
| <b>Derivation Path:</b>    | HandOverCmd_220.                                                              |          |
| <b>Comments:</b>           | A derived HANOVER COMMAND containing TCH/H_FH in non synchronized new CELL B. |          |
| Field Name                 | Field Value                                                                   | Comments |
| cd                         | CellDescrp_21_B                                                               |          |
| ch1d_at                    | ChDescrp_241(ts_ccch)                                                         |          |
| horf                       | ho_ref                                                                        |          |
| pcmd                       | Pcmd_20(pow)                                                                  |          |
| synchi                     | Synchi_01                                                                     |          |
| cchd                       | CellChDes_21_Bd                                                               |          |
| ch1mod                     | ChMod_speech_iei                                                              |          |
| ma_at                      | MoblAlc_252d                                                                  |          |
| ta                         | ta                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| PDU Constraint Declaration |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_24_B3(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)        |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                      |          |
| <b>Derivation Path:</b>    | HandOverCmd_220.                                                                |          |
| <b>Comments:</b>           | A derived HANDBOVER COMMAND containing TCH/H_FH in non synchronized new CELL B. |          |
| Field Name                 | Field Value                                                                     | Comments |
| cd                         | CellDescrp_21_B                                                                 |          |
| ch1d_at                    | ChDescrp_241(ts_ccch)                                                           |          |
| horf                       | ho_ref                                                                          |          |
| pcmd                       | Pcmd_20(pow)                                                                    |          |
| ch1mod                     | ChMod_speech_iei                                                                |          |
| frqchs_at                  | Freqchseq_01                                                                    |          |
| strt                       | OMIT                                                                            |          |
| ta                         | ta                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| PDU Constraint Declaration |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_24_B3d(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)       |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                      |          |
| <b>Derivation Path:</b>    | HandOverCmd_220.                                                                |          |
| <b>Comments:</b>           | A derived HANDBOVER COMMAND containing TCH/H_FH in non synchronized new CELL B. |          |
| Field Name                 | Field Value                                                                     | Comments |
| cd                         | CellDescrp_21_B                                                                 |          |
| ch1d_at                    | ChDescrp_241(ts_ccch)                                                           |          |
| horf                       | ho_ref                                                                          |          |
| pcmd                       | Pcmd_20(pow)                                                                    |          |
| frql_at                    | Frql_20_B4d                                                                     |          |
| ch1mod                     | ChMod_speech_iei                                                                |          |
| strt                       | OMIT                                                                            |          |
| ta                         | ta                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| PDU Constraint Declaration |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_24_B4(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)        |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                      |          |
| <b>Derivation Path:</b>    | HandOverCmd_220.                                                                |          |
| <b>Comments:</b>           | A derived HANDBOVER COMMAND containing TCH/H_FH in non synchronized new CELL B. |          |
| Field Name                 | Field Value                                                                     | Comments |
| cd                         | CellDescrp_21_B                                                                 |          |
| ch1d_at                    | ChDescrp_241(ts_ccch)                                                           |          |
| horf                       | ho_ref                                                                          |          |
| pcmd                       | Pcmd_20(pow)                                                                    |          |
| ch1mod                     | ChMod_speech_iei                                                                |          |
| frqchs_at                  | Freqchseq_04                                                                    |          |
| strt                       | OMIT                                                                            |          |
| ta                         | ta                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| PDU Constraint Declaration |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_24_B4d(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)     |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                    |          |
| <b>Derivation Path:</b>    | HandOverCmd_220.                                                              |          |
| <b>Comments:</b>           | A derived HANOVER COMMAND containing TCH/H_FH in non synchronized new CELL B. |          |
| Field Name                 | Field Value                                                                   | Comments |
| cd                         | CellDescrp_21_B                                                               |          |
| ch1d_at                    | ChDescrp_241(ts_ccch)                                                         |          |
| horf                       | ho_ref                                                                        |          |
| pcmd                       | Pcmd_20(pow)                                                                  |          |
| frql_at                    | Frql_20_11d                                                                   |          |
| ch1mod                     | ChMod_speech_iei                                                              |          |
| strt                       | OMIT                                                                          |          |
| ta                         | ta                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| PDU Constraint Declaration |                                                                                              |          |
|----------------------------|----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_25_B1(ho_ref: HORF;ts_ccch: BITSTRING; par_arfcn: INTEGER; pow:BITSTRING; ta:TA) |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                              |          |
| <b>Comments:</b>           | A derived HANOVER COMMAND containing SDCCH/8_FH in non synchronized in CELL B.               |          |
| Field Name                 | Field Value                                                                                  | Comments |
| ski                        | '0000'B                                                                                      |          |
| rrpd                       | '0110'B                                                                                      |          |
| mt                         | '00101011'B                                                                                  |          |
| cd                         | CellDescrp_21_B                                                                              |          |
| ch1d_at                    | ChDescrp_25(ts_ccch, par_arfcn)                                                              |          |
| horf                       | ho_ref                                                                                       |          |
| pcmd                       | Pcmd_20(pow)                                                                                 |          |
| synchi                     | OMIT                                                                                         |          |
| frqsl_at                   | OMIT                                                                                         |          |
| frql_at                    | OMIT                                                                                         |          |
| cchd                       | OMIT                                                                                         |          |
| ch1mod                     | ChMod_sign_iei                                                                               |          |
| ch2d_at                    | OMIT                                                                                         |          |
| ch2mod                     | OMIT                                                                                         |          |
| frqchs_at                  | OMIT                                                                                         |          |
| ma_at                      | OMIT                                                                                         |          |
| strt                       | OMIT                                                                                         |          |
| rtdif                      | OMIT                                                                                         |          |
| ta                         | ta                                                                                           |          |
| frqsl_bt                   | OMIT                                                                                         |          |
| frql_bt                    | OMIT                                                                                         |          |
| ch1d_bt                    | OMIT                                                                                         |          |
| ch2d_bt                    | OMIT                                                                                         |          |
| frqchs_bt                  | OMIT                                                                                         |          |
| ma_bt                      | OMIT                                                                                         |          |
| cphms                      | OMIT                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                              |          |



| PDU Constraint Declaration |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_28_B1(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)       |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                     |          |
| <b>Derivation Path:</b>    | HandOverCmd_220.                                                               |          |
| <b>Comments:</b>           | A derived HANOVER COMMAND containing SDCCH/8_FH in non synchronized in CELL B. |          |
| Field Name                 | Field Value                                                                    | Comments |
| cd                         | CellDescrp_21_B                                                                |          |
| ch1d_at                    | ChDescrp_28(ts_ccch)                                                           |          |
| horf                       | ho_ref                                                                         |          |
| pcmd                       | Pcmd_20(pow)                                                                   |          |
| frql_at                    | Frql_20_B7                                                                     |          |
| ch1mod                     | ChMod_sign_iei                                                                 |          |
| strt                       | OMIT                                                                           |          |
| ta                         | ta                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| PDU Constraint Declaration |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_28_B1d(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)      |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                     |          |
| <b>Derivation Path:</b>    | HandOverCmd_220.                                                               |          |
| <b>Comments:</b>           | A derived HANOVER COMMAND containing SDCCH/8_FH in non synchronized in CELL B. |          |
| Field Name                 | Field Value                                                                    | Comments |
| cd                         | CellDescrp_21_B                                                                |          |
| ch1d_at                    | ChDescrp_28(ts_ccch)                                                           |          |
| horf                       | ho_ref                                                                         |          |
| pcmd                       | Pcmd_20(pow)                                                                   |          |
| frql_at                    | Frql_20_B7d                                                                    |          |
| ch1mod                     | ChMod_sign_iei                                                                 |          |
| strt                       | OMIT                                                                           |          |
| ta                         | ta                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| PDU Constraint Declaration |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_28_B2(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)       |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                     |          |
| <b>Derivation Path:</b>    | HandOverCmd_220.                                                               |          |
| <b>Comments:</b>           | A derived HANOVER COMMAND containing SDCCH/8_FH in non synchronized in CELL B. |          |
| Field Name                 | Field Value                                                                    | Comments |
| cd                         | CellDescrp_21_B                                                                |          |
| ch1d_at                    | ChDescrp_28(ts_ccch)                                                           |          |
| horf                       | ho_ref                                                                         |          |
| pcmd                       | Pcmd_20(pow)                                                                   |          |
| ch1mod                     | OMIT                                                                           |          |
| frqchs_at                  | Freqchseq_02                                                                   |          |
| strt                       | OMIT                                                                           |          |
| ta                         | ta                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| PDU Constraint Declaration |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_28_B2d(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)      |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                     |          |
| <b>Derivation Path:</b>    | HandOverCmd_220.                                                               |          |
| <b>Comments:</b>           | A derived HANOVER COMMAND containing SDCCH/8_FH in non synchronized in CELL B. |          |
| Field Name                 | Field Value                                                                    | Comments |
| cd                         | CellDescr_21_B                                                                 |          |
| ch1d_at                    | ChDescr_28(ts_ccch)                                                            |          |
| horf                       | ho_ref                                                                         |          |
| pcmd                       | Pcmd_20(pow)                                                                   |          |
| frqsl_at                   | Frql_20_B8d                                                                    |          |
| ch1mod                     | OMIT                                                                           |          |
| strt                       | OMIT                                                                           |          |
| ta                         | ta                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| PDU Constraint Declaration |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_28_B3(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)       |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                     |          |
| <b>Derivation Path:</b>    | HandOverCmd_220.                                                               |          |
| <b>Comments:</b>           | A derived HANOVER COMMAND containing SDCCH/8_FH in non synchronized in CELL B. |          |
| Field Name                 | Field Value                                                                    | Comments |
| cd                         | CellDescr_21_B                                                                 |          |
| ch1d_at                    | ChDescr_282(ts_ccch)                                                           |          |
| horf                       | ho_ref                                                                         |          |
| pcmd                       | Pcmd_20(pow)                                                                   |          |
| synchi                     | Synchi_05                                                                      |          |
| frql_at                    | Frql_20_B0                                                                     |          |
| ta                         | ta                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| PDU Constraint Declaration |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_28_B3d(ho_ref: HORF;ts_ccch: BITSTRING; pow:BITSTRING; ta:TA)      |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                     |          |
| <b>Derivation Path:</b>    | HandOverCmd_220.                                                               |          |
| <b>Comments:</b>           | A derived HANOVER COMMAND containing SDCCH/8_FH in non synchronized in CELL B. |          |
| Field Name                 | Field Value                                                                    | Comments |
| cd                         | CellDescr_21_B                                                                 |          |
| ch1d_at                    | ChDescr_282(ts_ccch)                                                           |          |
| horf                       | ho_ref                                                                         |          |
| pcmd                       | Pcmd_20(pow)                                                                   |          |
| synchi                     | Synchi_05                                                                      |          |
| frql_at                    | Frql_20_B0d                                                                    |          |
| ch1mod                     | OMIT                                                                           |          |
| strt                       | OMIT                                                                           |          |
| ta                         | ta                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| PDU Constraint Declaration |                                                                                                |          |
|----------------------------|------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_30(slot:SN; tsc:TSC)                                                               |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                                     |          |
| <b>Derivation Path:</b>    | HandOverCmd_01.                                                                                |          |
| <b>Comments:</b>           | The new channel is the SDCCH4 subchannel TSPX_SDCCH4SubC, ciphering is on. For DCS RR testing. |          |
| Field Name                 | Field Value                                                                                    | Comments |
| cd                         | CellDescr_r01d                                                                                 |          |
| ch1d_at                    | ChDescr_r04d(TSPX_SDCCH4SubC, slot, tsc)                                                       |          |
| cphms                      | CphMod_04iei(TSPX_CphAlgD)                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                                |          |

| PDU Constraint Declaration                              |                                                                                             |          |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>                                 | HandOverCmd_31(slot:SN; tsc:TSC)                                                            |          |
| <b>PDU Type:</b>                                        | HO_CMD_PDU                                                                                  |          |
| <b>Derivation Path:</b>                                 | HandOverCmd_01.                                                                             |          |
| <b>Comments:</b>                                        | synchronised, no ciphering, the new channel is a full rate channel which is receiving only. |          |
| Field Name                                              | Field Value                                                                                 | Comments |
| cd                                                      | CellDescr_01                                                                                |          |
| ch1d_at                                                 | ChDescr_10(slot, tsc)                                                                       |          |
| <b>Detailed Comments:</b> used in TC_26_8_1_4_5_7 only. |                                                                                             |          |

| PDU Constraint Declaration                           |                                        |          |
|------------------------------------------------------|----------------------------------------|----------|
| <b>Constraint Name:</b>                              | HandOverCmd_32(slot:SN; tsc:TSC)       |          |
| <b>PDU Type:</b>                                     | HO_CMD_PDU                             |          |
| <b>Derivation Path:</b>                              | HandOverCmd_01.                        |          |
| <b>Comments:</b>                                     | non synchronised, no ciphering for GSM |          |
| Field Name                                           | Field Value                            | Comments |
| cd                                                   | CellDescr_r02                          |          |
| ch1d_at                                              | ChDescr_r42(slot, tsc)                 |          |
| pcmd                                                 | Pcmd_19(TSPX_PwrIvIA)                  |          |
| synchi                                               | Synchi_06                              |          |
| cchd                                                 | CellChDes_17                           |          |
| ch1mod                                               | ChMod_r03                              |          |
| ma_at                                                | MoblAlIc_r18                           |          |
| strt                                                 | ?                                      |          |
| ch1d_bt                                              | ChDescr_r43(slot, tsc)                 |          |
| ma_bt                                                | MoblAlIc_r20                           |          |
| <b>Detailed Comments:</b> used in TC_26_6_13_5 only. |                                        |          |

| PDU Constraint Declaration                           |                                        |          |
|------------------------------------------------------|----------------------------------------|----------|
| <b>Constraint Name:</b>                              | HandOverCmd_33(slot:SN; tsc:TSC)       |          |
| <b>PDU Type:</b>                                     | HO_CMD_PDU                             |          |
| <b>Derivation Path:</b>                              | HandOverCmd_01.HandOverCmd_32.         |          |
| <b>Comments:</b>                                     | non synchronised, no ciphering for DCS |          |
| Field Name                                           | Field Value                            | Comments |
| cd                                                   | CellDescr_r02d                         |          |
| cchd                                                 | CellChDes_18                           |          |
| <b>Detailed Comments:</b> used in TC_26_6_13_5 only. |                                        |          |

| PDU Constraint Declaration |                                        |          |
|----------------------------|----------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_34(slot:SN; tsc:TSC)       |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                             |          |
| <b>Derivation Path:</b>    | HandOverCmd_01.                        |          |
| <b>Comments:</b>           | non synchronised, no ciphering for GSM |          |
| Field Name                 | Field Value                            | Comments |
| cd                         | CellDescrp_r02                         |          |
| ch1d_at                    | ChDescrp_r45(slot, tsc)                |          |
| pcmd                       | Pcmd_19(TSPX_PwrlvlB)                  |          |
| synchi                     | Synchi_06                              |          |
| cchd                       | CellChDes_17                           |          |
| ch1mod                     | ChMod_r04                              |          |
| ma_at                      | MoblAllc_r22                           |          |
| strt                       | ?                                      |          |
| ch1d_bt                    | ChDescrp_r46(slot, tsc)                |          |
| ma_bt                      | MoblAllc_r23                           |          |
| <b>Detailed Comments:</b>  | used in TC_26_6_13_6 only.             |          |

| PDU Constraint Declaration |                                        |          |
|----------------------------|----------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_35(slot:SN; tsc:TSC)       |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                             |          |
| <b>Derivation Path:</b>    | HandOverCmd_01.HandOverCmd_34.         |          |
| <b>Comments:</b>           | non synchronised, no ciphering for DCS |          |
| Field Name                 | Field Value                            | Comments |
| cd                         | CellDescrp_r02d                        |          |
| cchd                       | CellChDes_18                           |          |
| <b>Detailed Comments:</b>  | used in TC_26_6_13_6 only.             |          |

| PDU Constraint Declaration |                                        |          |
|----------------------------|----------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_36(slot:SN; tsc:TSC)       |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                             |          |
| <b>Derivation Path:</b>    | HandOverCmd_01.                        |          |
| <b>Comments:</b>           | non synchronised, no ciphering for GSM |          |
| Field Name                 | Field Value                            | Comments |
| cd                         | CellDescrp_r02                         |          |
| ch1d_at                    | ChDescrp_r49(slot, tsc)                |          |
| pcmd                       | Pcmd_19(TSPX_PwrlvlC)                  |          |
| synchi                     | Synchi_06                              |          |
| cchd                       | CellChDes_17                           |          |
| ch1mod                     | ChMod_r05                              |          |
| ma_at                      | MoblAllc_r26                           |          |
| strt                       | ?                                      |          |
| ch1d_bt                    | ChDescrp_r50(slot, tsc)                |          |
| ma_bt                      | MoblAllc_r27                           |          |
| <b>Detailed Comments:</b>  | used in TC_26_6_13_7 only.             |          |

| PDU Constraint Declaration |                                        |          |
|----------------------------|----------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_37(slot:SN; tsc:TSC)       |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                             |          |
| <b>Derivation Path:</b>    | HandOverCmd_01.HandOverCmd_36.         |          |
| <b>Comments:</b>           | non synchronised, no ciphering for DCS |          |
| Field Name                 | Field Value                            | Comments |
| cd                         | CellDescrp_r02d                        |          |
| cchd                       | CellChDes_18                           |          |
| <b>Detailed Comments:</b>  | used in TC_26_6_13_7 only.             |          |

| PDU Constraint Declaration |                                        |          |
|----------------------------|----------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_38(slot:SN; tsc:TSC)       |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                             |          |
| <b>Derivation Path:</b>    | HandOverCmd_01.                        |          |
| <b>Comments:</b>           | non synchronised, no ciphering for GSM |          |
| Field Name                 | Field Value                            | Comments |
| cd                         | CellDescrp_r02                         |          |
| ch1d_at                    | ChDescrp_r51(slot, tsc)                |          |
| pcmd                       | Pcmd_19(TSPX_PwrlvlID)                 |          |
| synchi                     | Synchi_06                              |          |
| cchd                       | CellChDes_17                           |          |
| ch1mod                     | ChMod_r06                              |          |
| ma_at                      | MoblAllc_r30                           |          |
| strt                       | ?                                      |          |
| ch1d_bt                    | ChDescrp_r52(slot, tsc)                |          |
| ma_bt                      | MoblAllc_r31                           |          |
| <b>Detailed Comments:</b>  | used in TC_26_6_13_8 only.             |          |

| PDU Constraint Declaration |                                        |          |
|----------------------------|----------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_39(slot:SN; tsc:TSC)       |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                             |          |
| <b>Derivation Path:</b>    | HandOverCmd_01.HandOverCmd_38.         |          |
| <b>Comments:</b>           | non synchronised, no ciphering for DCS |          |
| Field Name                 | Field Value                            | Comments |
| cd                         | CellDescrp_r02d                        |          |
| cchd                       | CellChDes_18                           |          |
| <b>Detailed Comments:</b>  | used in TC_26_6_13_7 only.             |          |

| PDU Constraint Declaration |                                  |          |
|----------------------------|----------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_40(slot:SN; tsc:TSC) |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                       |          |
| <b>Derivation Path:</b>    | HandOverCmd_01.                  |          |
| <b>Comments:</b>           | synchronised, for GSM            |          |
| Field Name                 | Field Value                      | Comments |
| cd                         | CellDescrp_03                    |          |
| ch1d_at                    | ChDescrp_14('00001'B, slot, tsc) |          |
| pcmd                       | Pcmd_19('00111'B)                |          |
| synchi                     | Synchi_05                        |          |
| <b>Detailed Comments:</b>  | used in TC_26_6_3_4 only.        |          |

| PDU Constraint Declaration |                                  |          |
|----------------------------|----------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_41(slot:SN; tsc:TSC) |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                       |          |
| <b>Derivation Path:</b>    | HandOverCmd_01.HandOverCmd_40.   |          |
| <b>Comments:</b>           | synchronised, for DCS            |          |
| Field Name                 | Field Value                      | Comments |
| cd                         | CellDescrp_03d                   |          |
| <b>Detailed Comments:</b>  | used in TC_26_6_3_4 only.        |          |

| PDU Constraint Declaration |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_inv_01(slot:SN; tsc:TSC)                            |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                      |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | An invalid HANOVER COMMAND containing incorrect skip indicator. |          |
| Field Name                 | Field Value                                                     | Comments |
| ski                        | '0101'B                                                         |          |
| rrpd                       | '0110'B                                                         |          |
| mt                         | '00101011'B                                                     |          |
| cd                         | CellDescr_01                                                    |          |
| ch1d_at                    | ChDescrp_14Def('00001'B, slot, tsc)                             |          |
| horf                       | '00000001'B                                                     |          |
| pcmd                       | Pcmd_19('01000'B)                                               |          |
| synchi                     | OMIT                                                            |          |
| frqsl_at                   | OMIT                                                            |          |
| frql_at                    | OMIT                                                            |          |
| cchd                       | OMIT                                                            |          |
| ch1mod                     | OMIT                                                            |          |
| ch2d_at                    | OMIT                                                            |          |
| ch2mod                     | OMIT                                                            |          |
| frqchs_at                  | OMIT                                                            |          |
| ma_at                      | OMIT                                                            |          |
| strt                       | OMIT                                                            |          |
| rtdif                      | OMIT                                                            |          |
| ta                         | OMIT                                                            |          |
| frqsl_bt                   | OMIT                                                            |          |
| frql_bt                    | OMIT                                                            |          |
| ch1d_bt                    | OMIT                                                            |          |
| ch2d_bt                    | OMIT                                                            |          |
| frqchs_bt                  | OMIT                                                            |          |
| ma_bt                      | OMIT                                                            |          |
| cphms                      | OMIT                                                            |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| PDU Constraint Declaration |                                                                                                    |          |
|----------------------------|----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmd_inv_02(slot:SN; tsc:TSC)                                                               |          |
| <b>PDU Type:</b>           | HO_CMD_PDU                                                                                         |          |
| <b>Derivation Path:</b>    | HandOverCmd_inv_01.                                                                                |          |
| <b>Comments:</b>           | HANOVER COMMAND which contains in the non-imperative part an IE encoded as comprehension required. |          |
| Field Name                 | Field Value                                                                                        | Comments |
| ski                        | '0000'B                                                                                            |          |
| ch1d_at                    | ChDescrp_14('00001'B, slot, tsc)                                                                   |          |
| synchi                     | Synchi_01                                                                                          |          |
| frqsl_at                   | Frql_01                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                    |          |

| PDU Constraint Declaration |                                                 |          |
|----------------------------|-------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmp_01                                  |          |
| <b>PDU Type:</b>           | HO_COM_PDU                                      |          |
| <b>Derivation Path:</b>    |                                                 |          |
| <b>Comments:</b>           | To match any received HANOVER COMPLETE message. |          |
| Field Name                 | Field Value                                     | Comments |
| ski                        | '0000'B                                         |          |
| rrpd                       | '0110'B                                         |          |
| mt                         | '00101100'B                                     |          |
| rrcau                      | ?                                               |          |
| motdif                     | *                                               |          |
| <b>Detailed Comments:</b>  |                                                 |          |

| PDU Constraint Declaration |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmp_02                                                                 |          |
| <b>PDU Type:</b>           | HO_COM_PDU                                                                     |          |
| <b>Derivation Path:</b>    | HandOverCmp_01.                                                                |          |
| <b>Comments:</b>           | To match a received HANDOVER COMPLETE message containing real time difference. |          |
| Field Name                 | Field Value                                                                    | Comments |
| motdif                     | Mtdif_02                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| PDU Constraint Declaration |                                                                                                                        |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmp_03                                                                                                         |          |
| <b>PDU Type:</b>           | HO_COM_PDU                                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                                        |          |
| <b>Comments:</b>           | To match a received HANDOVER COMPLETE message with mobile time difference =<br>(2*TSPX_k + TPSX_y) mod 2 097 152) +- 2 |          |
| Field Name                 | Field Value                                                                                                            | Comments |
| ski                        | '0000'B                                                                                                                |          |
| rrpd                       | '0110'B                                                                                                                |          |
| mt                         | '00101100'B                                                                                                            |          |
| rrcau                      | ?                                                                                                                      |          |
| motdif                     | Mtdif_01                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                        |          |

| PDU Constraint Declaration |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmp_04                                                                 |          |
| <b>PDU Type:</b>           | HO_COM_PDU                                                                     |          |
| <b>Derivation Path:</b>    | HandOverCmp_01.                                                                |          |
| <b>Comments:</b>           | To match a received HANDOVER COMPLETE message containing real time difference. |          |
| Field Name                 | Field Value                                                                    | Comments |
| motdif                     | Mtdif_03                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOverCmp_20                                             |          |
| <b>PDU Type:</b>           | HO_COM_PDU                                                 |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A basic received constraint for HANDOVER COMPLETE message. |          |
| Field Name                 | Field Value                                                | Comments |
| ski                        | '0000'B                                                    |          |
| rrpd                       | '0110'B                                                    |          |
| mt                         | '00101100'B                                                |          |
| rrcau                      | '00000000'B                                                |          |
| motdif                     | *                                                          |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                   |          |
|----------------------------|---------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOvFail_01                                     |          |
| <b>PDU Type:</b>           | HOFL_PDU                                          |          |
| <b>Derivation Path:</b>    |                                                   |          |
| <b>Comments:</b>           | A HANDOVER FAILURE message matching any RR cause. |          |
| Field Name                 | Field Value                                       | Comments |
| ski                        | '0000'B                                           |          |
| rrpd                       | '0110'B                                           |          |
| mt                         | '00101000'B                                       |          |
| rrcau                      | ?                                                 |          |
| <b>Detailed Comments:</b>  |                                                   |          |

| PDU Constraint Declaration |                                                                    |          |
|----------------------------|--------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | HandOvFail_02                                                      |          |
| <b>PDU Type:</b>           | HOFL_PDU                                                           |          |
| <b>Derivation Path:</b>    |                                                                    |          |
| <b>Comments:</b>           | A HANDOVER FAILURE message matching any abnormal release RR cause. |          |
| Field Name                 | Field Value                                                        | Comments |
| ski                        | '0000'B                                                            |          |
| rrpd                       | '0110'B                                                            |          |
| mt                         | '00101000'B                                                        |          |
| rrcau                      | ('00000001'B, '00000010'B, '00000011'B, '00000100'B, '01101111'B)  |          |
| <b>Detailed Comments:</b>  |                                                                    |          |

| PDU Constraint Declaration |                   |          |
|----------------------------|-------------------|----------|
| <b>Constraint Name:</b>    | Holdpdu_01(Ti:Ti) |          |
| <b>PDU Type:</b>           | HOLD_PDU          |          |
| <b>Derivation Path:</b>    |                   |          |
| <b>Comments:</b>           |                   |          |
| Field Name                 | Field Value       | Comments |
| ti                         | Ti                |          |
| ccpd                       | '0011'B           |          |
| mt                         | '0?011000'B       |          |
| <b>Detailed Comments:</b>  |                   |          |

| PDU Constraint Declaration |                      |          |
|----------------------------|----------------------|----------|
| <b>Constraint Name:</b>    | HoldAckpdu_01(Ti:Ti) |          |
| <b>PDU Type:</b>           | HOLD_ACK_PDU         |          |
| <b>Derivation Path:</b>    |                      |          |
| <b>Comments:</b>           |                      |          |
| Field Name                 | Field Value          | Comments |
| ti                         | Ti                   |          |
| ccpd                       | '0011'B              |          |
| mt                         | '00011001'B          |          |
| <b>Detailed Comments:</b>  |                      |          |



| PDU Constraint Declaration |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | IDResponse_01                                                  |          |
| <b>PDU Type:</b>           | ID_RES_PDU                                                     |          |
| <b>Derivation Path:</b>    |                                                                |          |
| <b>Comments:</b>           | An IDENTITY RESPONSE message which matches any mobile identity |          |
| Field Name                 | Field Value                                                    | Comments |
| ski                        | '0000'B                                                        |          |
| mmpd                       | '0101'B                                                        |          |
| mt                         | '0?011001'B                                                    |          |
| mi                         | ?                                                              |          |
| <b>Detailed Comments:</b>  |                                                                |          |

| PDU Constraint Declaration |                                                                      |          |
|----------------------------|----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | IDResponse_02                                                        |          |
| <b>PDU Type:</b>           | ID_RES_PDU                                                           |          |
| <b>Derivation Path:</b>    | IDResponse_01.                                                       |          |
| <b>Comments:</b>           | An IDENTITY RESPONSE message which matches TMSI of the MS under test |          |
| Field Name                 | Field Value                                                          | Comments |
| mi                         | MiTmsi_01                                                            |          |
| <b>Detailed Comments:</b>  |                                                                      |          |

| PDU Constraint Declaration |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | IDResponse_30(par:MI)                                                         |          |
| <b>PDU Type:</b>           | ID_RES_PDU                                                                    |          |
| <b>Derivation Path:</b>    |                                                                               |          |
| <b>Comments:</b>           | An IDENTITY RESPONSE message which matches the given MI of the MS under test. |          |
| Field Name                 | Field Value                                                                   | Comments |
| ski                        | '0000'B                                                                       |          |
| mmpd                       | '0101'B                                                                       |          |
| mt                         | '0?011001'B                                                                   |          |
| mi                         | par                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| PDU Constraint Declaration |                                                           |          |
|----------------------------|-----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | IDRequest_01(type:B_4)                                    |          |
| <b>PDU Type:</b>           | ID_RQ_PDU                                                 |          |
| <b>Derivation Path:</b>    |                                                           |          |
| <b>Comments:</b>           | An IDENTITY REQUEST message with specified identity type. |          |
| Field Name                 | Field Value                                               | Comments |
| ski                        | '0000'B                                                   |          |
| mmpd                       | '0101'B                                                   |          |
| mt                         | '00011000'B                                               |          |
| shoct                      | '0000'B                                                   |          |
| idtype                     | type                                                      |          |
| <b>Detailed Comments:</b>  |                                                           |          |

| PDU Constraint Declaration |                                                                    |          |
|----------------------------|--------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | IDRequest_inv_01(skip :INTEGER)                                    |          |
| <b>PDU Type:</b>           | ID_RQ_PDU                                                          |          |
| <b>Derivation Path:</b>    |                                                                    |          |
| <b>Comments:</b>           | An invalid IDENTITY REQUEST message with incorrect skip indicator. |          |
| Field Name                 | Field Value                                                        | Comments |
| ski                        | INT_TO_BIT(skip, 4)                                                |          |
| mmpd                       | '0101'B                                                            |          |
| mt                         | '00011000'B                                                        |          |
| shoct                      | '0000'B                                                            |          |
| idtype                     | '0001'B                                                            |          |
| <b>Detailed Comments:</b>  |                                                                    |          |

| PDU Constraint Declaration |                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | IDRequest_inv_02                                                                          |          |
| <b>PDU Type:</b>           | ID_RQ_PDU                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                           |          |
| <b>Comments:</b>           | An invalid IDENTITY REQUEST message of which the identity type is coded as reserved value |          |
| Field Name                 | Field Value                                                                               | Comments |
| ski                        | '0000'B                                                                                   |          |
| mmpd                       | '0101'B                                                                                   |          |
| mt                         | '00011000'B                                                                               |          |
| shoct                      | '0000'B                                                                                   |          |
| idtype                     | '1111'B                                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                           |          |

| PDU Constraint Declaration |                                                                     |          |
|----------------------------|---------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | IDRequest_inv_03                                                    |          |
| <b>PDU Type:</b>           | ID_RQ_PDU                                                           |          |
| <b>Derivation Path:</b>    |                                                                     |          |
| <b>Comments:</b>           | An invalid IDENTITY REQUEST message containing arbitrary spare bits |          |
| Field Name                 | Field Value                                                         | Comments |
| ski                        | '0000'B                                                             |          |
| mmpd                       | '0101'B                                                             |          |
| mt                         | '00011000'B                                                         |          |
| shoct                      | '1010'B                                                             |          |
| idtype                     | '1100'B                                                             |          |
| <b>Detailed Comments:</b>  |                                                                     |          |

| PDU Constraint Declaration |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_01(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA; par_arfcn: INTEGER) |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/4 channel.                     |          |
| Field Name                 | Field Value                                                                    | Comments |
| l2_pl                      | '2D'O                                                                          |          |
| ski                        | '0000'B                                                                        |          |
| rrpd                       | '0110'B                                                                        |          |
| mt                         | '00111111'B                                                                    |          |
| shoct                      | '0000'B                                                                        |          |
| pm                         | Pm_01                                                                          |          |
| chd                        | ChDescrp_01(slot, tsc, par_arfcn)                                              |          |
| rqr                        | Rqr2(Rr, Fn)                                                                   |          |
| ta                         | ta                                                                             |          |
| ma                         | MobIAIlc_01                                                                    |          |
| strt                       | OMIT                                                                           |          |
| iaroct                     | laRestOct_01                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| PDU Constraint Declaration |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_01Def(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA) |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                    |          |
| <b>Derivation Path:</b>    |                                                               |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/4 channel.    |          |
| Field Name                 | Field Value                                                   | Comments |
| l2_pl                      | '2D'O                                                         |          |
| ski                        | '0000'B                                                       |          |
| rrpd                       | '0110'B                                                       |          |
| mt                         | '00111111'B                                                   |          |
| shoct                      | '0000'B                                                       |          |
| pm                         | Pm_01                                                         |          |
| chd                        | ChDescrp_01Def(slot, tsc)                                     |          |
| rqr                        | Rqr2(Rr, Fn)                                                  |          |
| ta                         | ta                                                            |          |
| ma                         | MobIAIlc_01                                                   |          |
| strt                       | OMIT                                                          |          |
| iaroct                     | laRestOct_01                                                  |          |
| <b>Detailed Comments:</b>  |                                                               |          |

| PDU Constraint Declaration |                                                                        |          |
|----------------------------|------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_02(Rr: BITSTRING; Fn: FN; ta:TA)                               |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                             |          |
| <b>Derivation Path:</b>    |                                                                        |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign a frequency hopping channel. |          |
| Field Name                 | Field Value                                                            | Comments |
| l2_pl                      | '4D'O                                                                  |          |
| ski                        | '0000'B                                                                |          |
| rrpd                       | '0110'B                                                                |          |
| mt                         | '00111111'B                                                            |          |
| shoct                      | '0000'B                                                                |          |
| pm                         | Pm_01                                                                  |          |
| chd                        | ?                                                                      |          |
| rqr                        | Rqr2(Rr, Fn)                                                           |          |
| ta                         | ta                                                                     |          |
| ma                         | ?                                                                      |          |
| strt                       | OMIT                                                                   |          |
| iaroct                     | laRestOct_06                                                           |          |
| <b>Detailed Comments:</b>  | Used only in TC_26_6_6_1                                               |          |

| PDU Constraint Declaration |                                                                                                                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_03(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                                                                     |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/8 channel with a timing advance of 30 bit periods containing page mode = extended paging. The subchannel is TSPX_SDCCH8SubDef. |          |
| Field Name                 | Field Value                                                                                                                                                                    | Comments |
| l2_pl                      | '2D'O                                                                                                                                                                          |          |
| ski                        | '0000'B                                                                                                                                                                        |          |
| rrpd                       | '0110'B                                                                                                                                                                        |          |
| mt                         | '00111111'B                                                                                                                                                                    |          |
| shoct                      | '0000'B                                                                                                                                                                        |          |
| pm                         | Pm_03                                                                                                                                                                          |          |
| chd                        | ChDescrp_r01NotC_def(TSPX_SDCCH8<br>SubDef, slot, tsc)                                                                                                                         |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                                                                   |          |
| ta                         | ta                                                                                                                                                                             |          |
| ma                         | MoblAlc_01                                                                                                                                                                     |          |
| strt                       | OMIT                                                                                                                                                                           |          |
| iaroct                     | laRestOct_01                                                                                                                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                |          |

| PDU Constraint Declaration |                                                                                                                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_03d(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                                                                    |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/8 channel with a timing advance of 30 bit periods containing page mode = extended paging. The subchannel is TSPX_SDCCH8SubDef. |          |
| Field Name                 | Field Value                                                                                                                                                                    | Comments |
| l2_pl                      | '2D'O                                                                                                                                                                          |          |
| ski                        | '0000'B                                                                                                                                                                        |          |
| rrpd                       | '0110'B                                                                                                                                                                        |          |
| mt                         | '00111111'B                                                                                                                                                                    |          |
| shoct                      | '0000'B                                                                                                                                                                        |          |
| pm                         | Pm_03                                                                                                                                                                          |          |
| chd                        | ChDescrp_r01dNotC_def(TSPX_SDCCH8SubDef, slot, tsc)                                                                                                                            |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                                                                   |          |
| ta                         | ta                                                                                                                                                                             |          |
| ma                         | MoblAllc_01                                                                                                                                                                    |          |
| strt                       | OMIT                                                                                                                                                                           |          |
| iaroct                     | laRestOct_01                                                                                                                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_06(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA) |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                 |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | To assign SDCCH/4 of cell B to the mobile station.         |          |
| Field Name                 | Field Value                                                | Comments |
| l2_pl                      | '2D'O                                                      |          |
| ski                        | '0000'B                                                    |          |
| rrpd                       | '0110'B                                                    |          |
| mt                         | '00111111'B                                                |          |
| shoct                      | '0000'B                                                    |          |
| pm                         | Pm_01                                                      |          |
| chd                        | ChDescrp_04(slot,tsc)                                      |          |
| rqr                        | Rqr2(Rr, Fn)                                               |          |
| ta                         | ta                                                         |          |
| ma                         | MoblAllc_01                                                |          |
| strt                       | OMIT                                                       |          |
| iaroct                     | laRestOct_01                                               |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_08(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA) |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                 |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/4 channel. |          |
| Field Name                 | Field Value                                                | Comments |
| l2_pl                      | '2D'O                                                      |          |
| ski                        | '0000'B                                                    |          |
| rrpd                       | '0110'B                                                    |          |
| mt                         | '00111111'B                                                |          |
| shoct                      | '0000'B                                                    |          |
| pm                         | Pm_01                                                      |          |
| chd                        | ChDescrp_01Def(slot, tsc)                                  |          |
| rqr                        | Rqr2(Rr, Fn)                                               |          |
| ta                         | ta                                                         |          |
| ma                         | MobIAlIc_01                                                |          |
| strt                       | OMIT                                                       |          |
| iaroct                     | IaRestOct_01                                               |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                                             |          |
|----------------------------|-----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_10(Rr: BITSTRING; Fn: FN; type: BITSTRING; slot:SN; tsc:TSC; ta:TA) |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                  |          |
| <b>Derivation Path:</b>    |                                                                             |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign TCH/H channel.                    |          |
| Field Name                 | Field Value                                                                 | Comments |
| l2_pl                      | '2D'O                                                                       |          |
| ski                        | '0000'B                                                                     |          |
| rrpd                       | '0110'B                                                                     |          |
| mt                         | '00111111'B                                                                 |          |
| shoct                      | '0000'B                                                                     |          |
| pm                         | Pm_01                                                                       |          |
| chd                        | ChDescrp_14Def(type, slot, tsc)                                             |          |
| rqr                        | Rqr2(Rr, Fn)                                                                |          |
| ta                         | ta                                                                          |          |
| ma                         | MobIAlIc_01                                                                 |          |
| strt                       | OMIT                                                                        |          |
| iaroct                     | IaRestOct_01                                                                |          |
| <b>Detailed Comments:</b>  |                                                                             |          |

| PDU Constraint Declaration |                                                                              |          |
|----------------------------|------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_TCH(Rr: BITSTRING; Fn: FN; type: BITSTRING; slot:SN; tsc:TSC; ta:TA) |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                   |          |
| <b>Derivation Path:</b>    |                                                                              |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign TCH/H channel.                     |          |
| Field Name                 | Field Value                                                                  | Comments |
| l2_pl                      | '2D'O                                                                        |          |
| ski                        | '0000'B                                                                      |          |
| rrpd                       | '0110'B                                                                      |          |
| mt                         | '00111111'B                                                                  |          |
| shoct                      | '0000'B                                                                      |          |
| pm                         | Pm_01                                                                        |          |
| chd                        | ChDescrp_14TCH(type, slot, tsc)                                              |          |
| rqr                        | Rqr2(Rr, Fn)                                                                 |          |
| ta                         | ta                                                                           |          |
| ma                         | MobIAIlc_01                                                                  |          |
| strt                       | OMIT                                                                         |          |
| iaroct                     | laRestOct_01                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                              |          |

| PDU Constraint Declaration |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_21(Rr: BITSTRING; Fn: FN;ts_ccch: BITSTRING; par_arfcn: INTEGER; ta:TA) |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                 |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign TCH/F NonFH channel in any cell.      |          |
| Field Name                 | Field Value                                                                     | Comments |
| l2_pl                      | '2D'O                                                                           |          |
| ski                        | '0000'B                                                                         |          |
| rrpd                       | '0110'B                                                                         |          |
| mt                         | '00111111'B                                                                     |          |
| shoct                      | '0000'B                                                                         |          |
| pm                         | Pm_01                                                                           |          |
| chd                        | ChDescrp_21(ts_ccch, par_arfcn)                                                 |          |
| rqr                        | Rqr2(Rr, Fn)                                                                    |          |
| ta                         | ta                                                                              |          |
| ma                         | MobIAIlc_01                                                                     |          |
| strt                       | OMIT                                                                            |          |
| iaroct                     | laRestOct_01                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| PDU Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_221(Rr: BITSTRING; Fn: FN;ts_ccch: BITSTRING; ta:TA)          |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                            |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign TCH/F FH channel in cell A. |          |
| Field Name                 | Field Value                                                           | Comments |
| l2_pl                      | '39'O                                                                 |          |
| ski                        | '0000'B                                                               |          |
| rrpd                       | '0110'B                                                               |          |
| mt                         | '00111111'B                                                           |          |
| shoct                      | '0000'B                                                               |          |
| pm                         | Pm_01                                                                 |          |
| chd                        | ChDescrp_222(ts_ccch)                                                 |          |
| rqr                        | Rqr2(Rr, Fn)                                                          |          |
| ta                         | ta                                                                    |          |
| ma                         | MoblAllc_20_A2                                                        |          |
| strt                       | OMIT                                                                  |          |
| iaroct                     | laRestOct_03                                                          |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| PDU Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_242(Rr: BITSTRING; Fn: FN;ts_ccch: BITSTRING; ta:TA)          |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                            |          |
| <b>Derivation Path:</b>    | ImmAsgn_221.                                                          |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign TCH/H FH channel in cell B. |          |
| Field Name                 | Field Value                                                           | Comments |
| l2_pl                      | '35'O                                                                 |          |
| chd                        | ChDescrp_242(ts_ccch)                                                 |          |
| rqr                        | Rqr2(Rr, Fn)                                                          |          |
| ta                         | ta                                                                    |          |
| ma                         | MoblAllc_20_B1                                                        |          |
| iaroct                     | laRestOct_09                                                          |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| PDU Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_243(Rr: BITSTRING; Fn: FN;ts_ccch: BITSTRING; ta:TA)          |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                            |          |
| <b>Derivation Path:</b>    | ImmAsgn_221.                                                          |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign TCH/H FH channel in cell a. |          |
| Field Name                 | Field Value                                                           | Comments |
| l2_pl                      | '39'O                                                                 |          |
| chd                        | ChDescrp_242(ts_ccch)                                                 |          |
| rqr                        | Rqr2(Rr, Fn)                                                          |          |
| ta                         | ta                                                                    |          |
| ma                         | MoblAllc_20_A0                                                        |          |
| iaroct                     | laRestOct_08                                                          |          |
| <b>Detailed Comments:</b>  |                                                                       |          |



| PDU Constraint Declaration |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_25(Rr: BITSTRING; Fn: FN;ts_ccch: BITSTRING; par_arfcn: INTEGER; ta:TA) |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                 |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/4 channel in any cell.          |          |
| Field Name                 | Field Value                                                                     | Comments |
| l2_pl                      | '2D'O                                                                           |          |
| ski                        | '0000'B                                                                         |          |
| rrpd                       | '0110'B                                                                         |          |
| mt                         | '00111111'B                                                                     |          |
| shoct                      | '0000'B                                                                         |          |
| pm                         | Pm_01                                                                           |          |
| chd                        | ChDescrp_25(ts_ccch, par_arfcn)                                                 |          |
| rqr                        | Rqr2(Rr, Fn)                                                                    |          |
| ta                         | ta                                                                              |          |
| ma                         | MobIAIlc_01                                                                     |          |
| strt                       | OMIT                                                                            |          |
| iaroct                     | laRestOct_01                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| PDU Constraint Declaration |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_27(Rr: BITSTRING; Fn: FN;ts_ccch: BITSTRING; par_arfcn: INTEGER; ta:TA) |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                 |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/8 NonFH channel in any cell.    |          |
| Field Name                 | Field Value                                                                     | Comments |
| l2_pl                      | '2D'O                                                                           |          |
| ski                        | '0000'B                                                                         |          |
| rrpd                       | '0110'B                                                                         |          |
| mt                         | '00111111'B                                                                     |          |
| shoct                      | '0000'B                                                                         |          |
| pm                         | Pm_01                                                                           |          |
| chd                        | ChDescrp_27(ts_ccch, par_arfcn)                                                 |          |
| rqr                        | Rqr2(Rr, Fn)                                                                    |          |
| ta                         | ta                                                                              |          |
| ma                         | MobIAIlc_01                                                                     |          |
| strt                       | OMIT                                                                            |          |
| iaroct                     | laRestOct_01                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| PDU Constraint Declaration |                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_E_01(Rr: BITSTRING; Fn: FN;ts_ccch: BITSTRING; tsc:TSC; par_arfcn: INTEGER; ta:TA) |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                            |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/8 NonFH channel in any cell.               |          |
| Field Name                 | Field Value                                                                                | Comments |
| l2_pl                      | '2D'O                                                                                      |          |
| ski                        | '0000'B                                                                                    |          |
| rrpd                       | '0110'B                                                                                    |          |
| mt                         | '00111111'B                                                                                |          |
| shoct                      | '0000'B                                                                                    |          |
| pm                         | Pm_01                                                                                      |          |
| chd                        | ChDescrp_E_01(ts_ccch, tsc, par_arfcn)                                                     |          |
| rqr                        | Rqr2(Rr, Fn)                                                                               |          |
| ta                         | ta                                                                                         |          |
| ma                         | MoblAlc_01                                                                                 |          |
| strt                       | OMIT                                                                                       |          |
| iaroct                     | IaRestOct_01                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                            |          |

| PDU Constraint Declaration |                                                                             |          |
|----------------------------|-----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_E_02(Rr: BITSTRING; Fn: FN;ts_ccch: BITSTRING; tsc:TSC; ta:TA)      |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                  |          |
| <b>Derivation Path:</b>    |                                                                             |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/8 FH channel in EGSM cases. |          |
| Field Name                 | Field Value                                                                 | Comments |
| l2_pl                      | '39'O                                                                       |          |
| ski                        | '0000'B                                                                     |          |
| rrpd                       | '0110'B                                                                     |          |
| mt                         | '00111111'B                                                                 |          |
| shoct                      | '0000'B                                                                     |          |
| pm                         | Pm_01                                                                       |          |
| chd                        | ChDescrp_E_02(ts_ccch, tsc)                                                 |          |
| rqr                        | Rqr2(Rr, Fn)                                                                |          |
| ta                         | ta                                                                          |          |
| ma                         | MoblAlc_281e                                                                |          |
| strt                       | OMIT                                                                        |          |
| iaroct                     | IaRestOct_02                                                                |          |
| <b>Detailed Comments:</b>  |                                                                             |          |

| PDU Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_281(Rr: BITSTRING; Fn: FN;ts_ccch: BITSTRING; ta:TA)              |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/8 FH channel in any cell. |          |
| Field Name                 | Field Value                                                               | Comments |
| l2_pl                      | '39'O                                                                     |          |
| ski                        | '0000'B                                                                   |          |
| rrpd                       | '0110'B                                                                   |          |
| mt                         | '00111111'B                                                               |          |
| shoct                      | '0000'B                                                                   |          |
| pm                         | Pm_01                                                                     |          |
| chd                        | ChDescrp_28(ts_ccch)                                                      |          |
| rqr                        | Rqr2(Rr, Fn)                                                              |          |
| ta                         | ta                                                                        |          |
| ma                         | MoblAlc_281                                                               |          |
| strt                       | OMIT                                                                      |          |
| iaroct                     | laRestOct_08                                                              |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| PDU Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_281d(Rr: BITSTRING; Fn: FN;ts_ccch: BITSTRING; ta:TA)             |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/8 FH channel in any cell. |          |
| Field Name                 | Field Value                                                               | Comments |
| l2_pl                      | '39'O                                                                     |          |
| ski                        | '0000'B                                                                   |          |
| rrpd                       | '0110'B                                                                   |          |
| mt                         | '00111111'B                                                               |          |
| shoct                      | '0000'B                                                                   |          |
| pm                         | Pm_01                                                                     |          |
| chd                        | ChDescrp_28(ts_ccch)                                                      |          |
| rqr                        | Rqr2(Rr, Fn)                                                              |          |
| ta                         | ta                                                                        |          |
| ma                         | MoblAlc_281d                                                              |          |
| strt                       | OMIT                                                                      |          |
| iaroct                     | laRestOct_02                                                              |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| PDU Constraint Declaration |                                                                                                      |          |
|----------------------------|------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_281e2(Rr: BITSTRING; Fn: FN;ts_ccch: BITSTRING; ta:TA)                                       |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                      |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/8 FH channel in EGSM cases, specified for 26_10_5_1. |          |
| Field Name                 | Field Value                                                                                          | Comments |
| l2_pl                      | '39'O                                                                                                |          |
| ski                        | '0000'B                                                                                              |          |
| rrpd                       | '0110'B                                                                                              |          |
| mt                         | '00111111'B                                                                                          |          |
| shoct                      | '0000'B                                                                                              |          |
| pm                         | Pm_01                                                                                                |          |
| chd                        | ChDescrp_28(ts_ccch)                                                                                 |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                         |          |
| ta                         | ta                                                                                                   |          |
| ma                         | MoblAlc_281e2                                                                                        |          |
| strt                       | OMIT                                                                                                 |          |
| iaroct                     | laRestOct_09                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                                      |          |

| PDU Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_282(Rr: BITSTRING; Fn: FN;ts_ccch: BITSTRING; ta:TA)              |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/8 FH channel in any cell. |          |
| Field Name                 | Field Value                                                               | Comments |
| l2_pl                      | '39'O                                                                     |          |
| ski                        | '0000'B                                                                   |          |
| rrpd                       | '0110'B                                                                   |          |
| mt                         | '00111111'B                                                               |          |
| shoct                      | '0000'B                                                                   |          |
| pm                         | Pm_01                                                                     |          |
| chd                        | ChDescrp_282(ts_ccch)                                                     |          |
| rqr                        | Rqr2(Rr, Fn)                                                              |          |
| ta                         | ta                                                                        |          |
| ma                         | MoblAlc_282                                                               |          |
| strt                       | OMIT                                                                      |          |
| iaroct                     | laRestOct_09                                                              |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| PDU Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_282d(Rr: BITSTRING; Fn: FN;ts_ccch: BITSTRING; ta:TA)             |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/8 FH channel in any cell. |          |
| Field Name                 | Field Value                                                               | Comments |
| l2_pl                      | '39'O                                                                     |          |
| ski                        | '0000'B                                                                   |          |
| rrpd                       | '0110'B                                                                   |          |
| mt                         | '00111111'B                                                               |          |
| shoct                      | '0000'B                                                                   |          |
| pm                         | Pm_01                                                                     |          |
| chd                        | ChDescrp_282(ts_ccch)                                                     |          |
| rqr                        | Rqr2(Rr, Fn)                                                              |          |
| ta                         | ta                                                                        |          |
| ma                         | MobIAIlc_282                                                              |          |
| strt                       | OMIT                                                                      |          |
| iaroct                     | laRestOct_08                                                              |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| PDU Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_283(Rr: BITSTRING; Fn: FN;ts_ccch: BITSTRING; ta:TA)              |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/8 FH channel in any cell. |          |
| Field Name                 | Field Value                                                               | Comments |
| l2_pl                      | '39'O                                                                     |          |
| ski                        | '0000'B                                                                   |          |
| rrpd                       | '0110'B                                                                   |          |
| mt                         | '00111111'B                                                               |          |
| shoct                      | '0000'B                                                                   |          |
| pm                         | Pm_01                                                                     |          |
| chd                        | ChDescrp_282(ts_ccch)                                                     |          |
| rqr                        | Rqr2(Rr, Fn)                                                              |          |
| ta                         | ta                                                                        |          |
| ma                         | MobIAIlc_20_A3                                                            |          |
| strt                       | OMIT                                                                      |          |
| iaroct                     | laRestOct_08                                                              |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| PDU Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_283d(Rr: BITSTRING; Fn: FN;ts_ccch: BITSTRING; ta:TA)             |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/8 FH channel in any cell. |          |
| Field Name                 | Field Value                                                               | Comments |
| l2_pl                      | '39'O                                                                     |          |
| ski                        | '0000'B                                                                   |          |
| rrpd                       | '0110'B                                                                   |          |
| mt                         | '00111111'B                                                               |          |
| shoct                      | '0000'B                                                                   |          |
| pm                         | Pm_01                                                                     |          |
| chd                        | ChDescrp_282(ts_ccch)                                                     |          |
| rqr                        | Rqr2(Rr, Fn)                                                              |          |
| ta                         | ta                                                                        |          |
| ma                         | MobIAllc_20_A3d                                                           |          |
| strt                       | OMIT                                                                      |          |
| iaroct                     | laRestOct_08                                                              |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| PDU Constraint Declaration |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_inv_01(Rr :BITSTRING; Fn:FN; slot:SN; tsc:TSC; ta:TA)                 |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                    |          |
| <b>Derivation Path:</b>    |                                                                               |          |
| <b>Comments:</b>           | An invalid IMMEDIATE ASSIGNMENT message with unknown skip indicator ('0001'B) |          |
| Field Name                 | Field Value                                                                   | Comments |
| l2_pl                      | '2D'O                                                                         |          |
| ski                        | '0001'B                                                                       |          |
| rrpd                       | '0110'B                                                                       |          |
| mt                         | '00111111'B                                                                   |          |
| shoct                      | '0000'B                                                                       |          |
| pm                         | Pm_01                                                                         |          |
| chd                        | ChDescrp_01Def(slot, tsc)                                                     |          |
| rqr                        | Rqr2(Rr, Fn)                                                                  |          |
| ta                         | ta                                                                            |          |
| ma                         | MobIAllc_01                                                                   |          |
| strt                       | OMIT                                                                          |          |
| iaroct                     | laRestOct_01                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| PDU Constraint Declaration |                                                                         |          |
|----------------------------|-------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_inv_04(Rr:BITSTRING; Fn:FN; slot:SN; tsc:TSC; ta:TA)            |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                              |          |
| <b>Derivation Path:</b>    |                                                                         |          |
| <b>Comments:</b>           | An invalid IMMEDIATE ASSIGNMENT message containing arbitrary spare bits |          |
| Field Name                 | Field Value                                                             | Comments |
| l2_pl                      | '2D'O                                                                   |          |
| ski                        | '0000'B                                                                 |          |
| rrpd                       | '0110'B                                                                 |          |
| mt                         | '00111111'B                                                             |          |
| shoct                      | '1010'B                                                                 |          |
| pm                         | Pm_02                                                                   |          |
| chd                        | ChDescrp_03(slot, tsc)                                                  |          |
| rqr                        | Rqr2(Rr, Fn)                                                            |          |
| ta                         | ta                                                                      |          |
| ma                         | MoblAllic_01                                                            |          |
| strt                       | OMIT                                                                    |          |
| iaroct                     | laRestOct_05                                                            |          |
| <b>Detailed Comments:</b>  |                                                                         |          |

| PDU Constraint Declaration |                                                |          |
|----------------------------|------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r(chd:CHD; Rr:BITSTRING; Fn:FN; ta:TA) |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                     |          |
| <b>Derivation Path:</b>    |                                                |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message.               |          |
| Field Name                 | Field Value                                    | Comments |
| l2_pl                      | '2D'O                                          |          |
| ski                        | '0000'B                                        |          |
| rrpd                       | '0110'B                                        |          |
| mt                         | '00111111'B                                    |          |
| shoct                      | '0000'B                                        |          |
| pm                         | Pm_01                                          |          |
| chd                        | chd                                            |          |
| rqr                        | Rqr2(Rr, Fn)                                   |          |
| ta                         | ta                                             |          |
| ma                         | MoblAllic_01                                   |          |
| strt                       | OMIT                                           |          |
| iaroct                     | laRestOct_01                                   |          |
| <b>Detailed Comments:</b>  |                                                |          |

| PDU Constraint Declaration |                                                                                                                                     |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r02(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                         |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                     |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/8 channel with a time advance of 30 bit periods. The subchannel is TSPX_SDCCH8SubB. |          |
| Field Name                 | Field Value                                                                                                                         | Comments |
| l2_pl                      | '2D'O                                                                                                                               |          |
| ski                        | '0000'B                                                                                                                             |          |
| rrpd                       | '0110'B                                                                                                                             |          |
| mt                         | '00111111'B                                                                                                                         |          |
| shoct                      | '0000'B                                                                                                                             |          |
| pm                         | Pm_01                                                                                                                               |          |
| chd                        | ChDescrp_r01NotC_def(TSPX_SDCCH8SubB, slot, tsc)                                                                                    |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                        |          |
| ta                         | ta                                                                                                                                  |          |
| ma                         | MobIAllc_01                                                                                                                         |          |
| strt                       | OMIT                                                                                                                                |          |
| iaroct                     | IaRestOct_01                                                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                                                     |          |

| PDU Constraint Declaration |                                                                                                                                     |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r02d(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                        |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                     |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/8 channel with a time advance of 30 bit periods. The subchannel is TSPX_SDCCH8SubB. |          |
| Field Name                 | Field Value                                                                                                                         | Comments |
| l2_pl                      | '2D'O                                                                                                                               |          |
| ski                        | '0000'B                                                                                                                             |          |
| rrpd                       | '0110'B                                                                                                                             |          |
| mt                         | '00111111'B                                                                                                                         |          |
| shoct                      | '0000'B                                                                                                                             |          |
| pm                         | Pm_01                                                                                                                               |          |
| chd                        | ChDescrp_r01dNotC_def(TSPX_SDCCH8SubB, slot, tsc)                                                                                   |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                        |          |
| ta                         | ta                                                                                                                                  |          |
| ma                         | MobIAllc_01                                                                                                                         |          |
| strt                       | OMIT                                                                                                                                |          |
| iaroct                     | IaRestOct_01                                                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                                                     |          |



| PDU Constraint Declaration |                                                                                                                                     |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r04(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                         |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                     |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/8 channel with a time advance of 30 bit periods. The subchannel is TSPX_SDCCH8SubD. |          |
| Field Name                 | Field Value                                                                                                                         | Comments |
| l2_pl                      | '2D'O                                                                                                                               |          |
| ski                        | '0000'B                                                                                                                             |          |
| rrpd                       | '0110'B                                                                                                                             |          |
| mt                         | '00111111'B                                                                                                                         |          |
| shoct                      | '0000'B                                                                                                                             |          |
| pm                         | Pm_01                                                                                                                               |          |
| chd                        | ChDescrip_r01NotC_def(TSPX_SDCCH8 SubD, slot, tsc)                                                                                  |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                        |          |
| ta                         | ta                                                                                                                                  |          |
| ma                         | MoblAllc_01                                                                                                                         |          |
| strt                       | OMIT                                                                                                                                |          |
| iaroct                     | laRestOct_01                                                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                                                     |          |

| PDU Constraint Declaration |                                                                                                                                     |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r05(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                         |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                     |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/8 channel with a time advance of 30 bit periods. The subchannel is TSPX_SDCCH8SubE. |          |
| Field Name                 | Field Value                                                                                                                         | Comments |
| l2_pl                      | '2D'O                                                                                                                               |          |
| ski                        | '0000'B                                                                                                                             |          |
| rrpd                       | '0110'B                                                                                                                             |          |
| mt                         | '00111111'B                                                                                                                         |          |
| shoct                      | '0000'B                                                                                                                             |          |
| pm                         | Pm_01                                                                                                                               |          |
| chd                        | ChDescrip_r01NotC_def(TSPX_SDCCH8 SubE, slot, tsc)                                                                                  |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                        |          |
| ta                         | ta                                                                                                                                  |          |
| ma                         | MoblAllc_01                                                                                                                         |          |
| strt                       | OMIT                                                                                                                                |          |
| iaroct                     | laRestOct_01                                                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                                                     |          |

| PDU Constraint Declaration |                                                                                                                                     |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r05d(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                        |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                     |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/8 channel with a time advance of 30 bit periods. The subchannel is TSPX_SDCCH8SubE. |          |
| Field Name                 | Field Value                                                                                                                         | Comments |
| l2_pl                      | '2D'O                                                                                                                               |          |
| ski                        | '0000'B                                                                                                                             |          |
| rrpd                       | '0110'B                                                                                                                             |          |
| mt                         | '00111111'B                                                                                                                         |          |
| shoct                      | '0000'B                                                                                                                             |          |
| pm                         | Pm_01                                                                                                                               |          |
| chd                        | ChDescrp_r01dNotC_def(TSPX_SDCCH8SubE, slot, tsc)                                                                                   |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                        |          |
| ta                         | ta                                                                                                                                  |          |
| ma                         | MoblAllc_01                                                                                                                         |          |
| strt                       | OMIT                                                                                                                                |          |
| iaroct                     | laRestOct_01                                                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                                                     |          |

| PDU Constraint Declaration |                                                                                                                                     |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r06(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                         |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                     |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/8 channel with a time advance of 30 bit periods. The subchannel is TSPX_SDCCH8SubF. |          |
| Field Name                 | Field Value                                                                                                                         | Comments |
| l2_pl                      | '2D'O                                                                                                                               |          |
| ski                        | '0000'B                                                                                                                             |          |
| rrpd                       | '0110'B                                                                                                                             |          |
| mt                         | '00111111'B                                                                                                                         |          |
| shoct                      | '0000'B                                                                                                                             |          |
| pm                         | Pm_01                                                                                                                               |          |
| chd                        | ChDescrp_r01NotC_def(TSPX_SDCCH8SubF, slot, tsc)                                                                                    |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                        |          |
| ta                         | ta                                                                                                                                  |          |
| ma                         | MoblAllc_01                                                                                                                         |          |
| strt                       | OMIT                                                                                                                                |          |
| iaroct                     | laRestOct_01                                                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                                                     |          |

| PDU Constraint Declaration |                                                                                                                                     |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r06d(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                        |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                     |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/8 channel with a time advance of 30 bit periods. The subchannel is TSPX_SDCCH8SubF. |          |
| Field Name                 | Field Value                                                                                                                         | Comments |
| l2_pl                      | '2D'O                                                                                                                               |          |
| ski                        | '0000'B                                                                                                                             |          |
| rrpd                       | '0110'B                                                                                                                             |          |
| mt                         | '00111111'B                                                                                                                         |          |
| shoct                      | '0000'B                                                                                                                             |          |
| pm                         | Pm_01                                                                                                                               |          |
| chd                        | ChDescrp_r01dNotC_def(TSPX_SDCCH8SubF, slot, tsc)                                                                                   |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                        |          |
| ta                         | ta                                                                                                                                  |          |
| ma                         | MoblAllc_01                                                                                                                         |          |
| strt                       | OMIT                                                                                                                                |          |
| iaroct                     | laRestOct_01                                                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                                                     |          |

| PDU Constraint Declaration |                                                                                                                                     |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r07(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                         |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                     |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/8 channel with a time advance of 30 bit periods. The subchannel is TSPX_SDCCH8SubG. |          |
| Field Name                 | Field Value                                                                                                                         | Comments |
| l2_pl                      | '2D'O                                                                                                                               |          |
| ski                        | '0000'B                                                                                                                             |          |
| rrpd                       | '0110'B                                                                                                                             |          |
| mt                         | '00111111'B                                                                                                                         |          |
| shoct                      | '0000'B                                                                                                                             |          |
| pm                         | Pm_01                                                                                                                               |          |
| chd                        | ChDescrp_r01NotC_def(TSPX_SDCCH8SubG, slot, tsc)                                                                                    |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                        |          |
| ta                         | ta                                                                                                                                  |          |
| ma                         | MoblAllc_01                                                                                                                         |          |
| strt                       | OMIT                                                                                                                                |          |
| iaroct                     | laRestOct_01                                                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                                                     |          |

| PDU Constraint Declaration |                                                                                                                                     |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r07d(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                        |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                     |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/8 channel with a time advance of 30 bit periods. The subchannel is TSPX_SDCCH8SubG. |          |
| Field Name                 | Field Value                                                                                                                         | Comments |
| l2_pl                      | '2D'O                                                                                                                               |          |
| ski                        | '0000'B                                                                                                                             |          |
| rrpd                       | '0110'B                                                                                                                             |          |
| mt                         | '00111111'B                                                                                                                         |          |
| shoct                      | '0000'B                                                                                                                             |          |
| pm                         | Pm_01                                                                                                                               |          |
| chd                        | ChDescrp_r01dNotC_def(TSPX_SDCCH8SubG, slot, tsc)                                                                                   |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                        |          |
| ta                         | ta                                                                                                                                  |          |
| ma                         | MoblAllc_01                                                                                                                         |          |
| strt                       | OMIT                                                                                                                                |          |
| iaroct                     | laRestOct_01                                                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                                                     |          |

| PDU Constraint Declaration |                                                                                                                                       |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r08(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                           |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                                                       |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/8 channel with a time advance of 30 bit periods. The subchannel is TSPX_SDCCH8SubDef. |          |
| Field Name                 | Field Value                                                                                                                           | Comments |
| l2_pl                      | '2D'O                                                                                                                                 |          |
| ski                        | '0000'B                                                                                                                               |          |
| rrpd                       | '0110'B                                                                                                                               |          |
| mt                         | '00111111'B                                                                                                                           |          |
| shoct                      | '0000'B                                                                                                                               |          |
| pm                         | Pm_01                                                                                                                                 |          |
| chd                        | ChDescrp_r01NotC_def(TSPX_SDCCH8SubDef, slot, tsc)                                                                                    |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                          |          |
| ta                         | ta                                                                                                                                    |          |
| ma                         | MoblAllc_01                                                                                                                           |          |
| strt                       | OMIT                                                                                                                                  |          |
| iaroct                     | laRestOct_01                                                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                                                                       |          |

| PDU Constraint Declaration |                                                                                                                                       |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r08d(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                          |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                                                       |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/8 channel with a time advance of 30 bit periods. The subchannel is TSPX_SDCCH8SubDef. |          |
| Field Name                 | Field Value                                                                                                                           | Comments |
| l2_pl                      | '2D'O                                                                                                                                 |          |
| ski                        | '0000'B                                                                                                                               |          |
| rrpd                       | '0110'B                                                                                                                               |          |
| mt                         | '00111111'B                                                                                                                           |          |
| shoct                      | '0000'B                                                                                                                               |          |
| pm                         | Pm_01                                                                                                                                 |          |
| chd                        | ChDescrp_r01dNotC_def(TSPX_SDCCH8SubDef, slot, tsc)                                                                                   |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                          |          |
| ta                         | ta                                                                                                                                    |          |
| ma                         | MoblAllic_01                                                                                                                          |          |
| strt                       | OMIT                                                                                                                                  |          |
| iaroct                     | laRestOct_01                                                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                                                                       |          |

| PDU Constraint Declaration |                                                                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r09(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                   |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                                                               |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/4 channel with a time advance of 30 bit periods (default value) for RR tests. |          |
| Field Name                 | Field Value                                                                                                                   | Comments |
| l2_pl                      | '2D'O                                                                                                                         |          |
| ski                        | '0000'B                                                                                                                       |          |
| rrpd                       | '0110'B                                                                                                                       |          |
| mt                         | '00111111'B                                                                                                                   |          |
| shoct                      | '0000'B                                                                                                                       |          |
| pm                         | Pm_01                                                                                                                         |          |
| chd                        | ChDescrp_r04(TSPX_SDCCH4SubA, slot, tsc)                                                                                      |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                  |          |
| ta                         | ta                                                                                                                            |          |
| ma                         | MoblAllic_01                                                                                                                  |          |
| strt                       | OMIT                                                                                                                          |          |
| iaroct                     | laRestOct_01                                                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                                               |          |

| PDU Constraint Declaration |                                                                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r09d(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                         |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                                      |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/4 channel with a time advance of 30 bit periods (default value) for RR tests of DCS. |          |
| Field Name                 | Field Value                                                                                                                          | Comments |
| l2_pl                      | '2D'O                                                                                                                                |          |
| ski                        | '0000'B                                                                                                                              |          |
| rrpd                       | '0110'B                                                                                                                              |          |
| mt                         | '00111111'B                                                                                                                          |          |
| shoct                      | '0000'B                                                                                                                              |          |
| pm                         | Pm_01                                                                                                                                |          |
| chd                        | ChDescrp_r04d(TSPX_SDCCH4SubA,<br>slot, tsc)                                                                                         |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                         |          |
| ta                         | ta                                                                                                                                   |          |
| ma                         | MoblAllc_01                                                                                                                          |          |
| strt                       | OMIT                                                                                                                                 |          |
| iaroct                     | laRestOct_01                                                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                                                                      |          |

| PDU Constraint Declaration |                                                                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r10(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                   |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                                                               |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/4 channel with a time advance of 30 bit periods (default value) for RR tests. |          |
| Field Name                 | Field Value                                                                                                                   | Comments |
| l2_pl                      | '2D'O                                                                                                                         |          |
| ski                        | '0000'B                                                                                                                       |          |
| rrpd                       | '0110'B                                                                                                                       |          |
| mt                         | '00111111'B                                                                                                                   |          |
| shoct                      | '0000'B                                                                                                                       |          |
| pm                         | Pm_01                                                                                                                         |          |
| chd                        | ChDescrp_r04(TSPX_SDCCH4SubB,<br>slot, tsc)                                                                                   |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                  |          |
| ta                         | ta                                                                                                                            |          |
| ma                         | MoblAllc_01                                                                                                                   |          |
| strt                       | OMIT                                                                                                                          |          |
| iaroct                     | laRestOct_01                                                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                                               |          |

| PDU Constraint Declaration |                                                                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r10d(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                  |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                                                               |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/4 channel with a time advance of 30 bit periods (default value) for RR tests. |          |
| Field Name                 | Field Value                                                                                                                   | Comments |
| l2_pl                      | '2D'O                                                                                                                         |          |
| ski                        | '0000'B                                                                                                                       |          |
| rrpd                       | '0110'B                                                                                                                       |          |
| mt                         | '00111111'B                                                                                                                   |          |
| shoct                      | '0000'B                                                                                                                       |          |
| pm                         | Pm_01                                                                                                                         |          |
| chd                        | ChDescrip_r04d(TSPX_SDCCH4SubB,<br>slot, tsc)                                                                                 |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                  |          |
| ta                         | ta                                                                                                                            |          |
| ma                         | MoblAllc_01                                                                                                                   |          |
| strt                       | OMIT                                                                                                                          |          |
| iaroct                     | laRestOct_01                                                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                                               |          |

| PDU Constraint Declaration |                                                                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r11(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                   |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                                                               |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/4 channel with a time advance of 30 bit periods (default value) for RR tests. |          |
| Field Name                 | Field Value                                                                                                                   | Comments |
| l2_pl                      | '2D'O                                                                                                                         |          |
| ski                        | '0000'B                                                                                                                       |          |
| rrpd                       | '0110'B                                                                                                                       |          |
| mt                         | '00111111'B                                                                                                                   |          |
| shoct                      | '0000'B                                                                                                                       |          |
| pm                         | Pm_01                                                                                                                         |          |
| chd                        | ChDescrip_r04(TSPX_SDCCH4SubC,<br>slot, tsc)                                                                                  |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                  |          |
| ta                         | ta                                                                                                                            |          |
| ma                         | MoblAllc_01                                                                                                                   |          |
| strt                       | OMIT                                                                                                                          |          |
| iaroct                     | laRestOct_01                                                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                                               |          |

| PDU Constraint Declaration |                                                                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r11d(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                         |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                                      |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/4 channel with a time advance of 30 bit periods (default value) for RR tests of DCS. |          |
| Field Name                 | Field Value                                                                                                                          | Comments |
| l2_pl                      | '2D'O                                                                                                                                |          |
| ski                        | '0000'B                                                                                                                              |          |
| rrpd                       | '0110'B                                                                                                                              |          |
| mt                         | '00111111'B                                                                                                                          |          |
| shoct                      | '0000'B                                                                                                                              |          |
| pm                         | Pm_01                                                                                                                                |          |
| chd                        | ChDescrp_r04d(TSPX_SDCCH4SubC,<br>slot, tsc)                                                                                         |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                         |          |
| ta                         | ta                                                                                                                                   |          |
| ma                         | MoblAllc_01                                                                                                                          |          |
| strt                       | OMIT                                                                                                                                 |          |
| iaroct                     | laRestOct_01                                                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                                                                      |          |

| PDU Constraint Declaration |                                                                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r12(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                   |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                                                               |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/4 channel with a time advance of 30 bit periods (default value) for RR tests. |          |
| Field Name                 | Field Value                                                                                                                   | Comments |
| l2_pl                      | '2D'O                                                                                                                         |          |
| ski                        | '0000'B                                                                                                                       |          |
| rrpd                       | '0110'B                                                                                                                       |          |
| mt                         | '00111111'B                                                                                                                   |          |
| shoct                      | '0000'B                                                                                                                       |          |
| pm                         | Pm_01                                                                                                                         |          |
| chd                        | ChDescrp_r04(TSPX_SDCCH4SubDef,<br>slot, tsc)                                                                                 |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                  |          |
| ta                         | ta                                                                                                                            |          |
| ma                         | MoblAllc_01                                                                                                                   |          |
| strt                       | OMIT                                                                                                                          |          |
| iaroct                     | laRestOct_01                                                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                                               |          |



| PDU Constraint Declaration |                                                                                                |          |
|----------------------------|------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r13(Rr: BITSTRING; Fn: FN; chd:CHD; ta:TA)                                             |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign TCH/F channel with a time advance of 30 bit periods. |          |
| Field Name                 | Field Value                                                                                    | Comments |
| l2_pl                      | '2D'O                                                                                          |          |
| ski                        | '0000'B                                                                                        |          |
| rrpd                       | '0110'B                                                                                        |          |
| mt                         | '00111111'B                                                                                    |          |
| shoct                      | '0000'B                                                                                        |          |
| pm                         | Pm_01                                                                                          |          |
| chd                        | chd                                                                                            |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                   |          |
| ta                         | ta                                                                                             |          |
| ma                         | MoblAllc_01                                                                                    |          |
| strt                       | OMIT                                                                                           |          |
| iaroct                     | laRestOct_01                                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                                |          |

| PDU Constraint Declaration |                                                                                                |          |
|----------------------------|------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r14(Rr: BITSTRING; Fn: FN; chd:CHD; ta:TA)                                             |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign TCH/H channel with a time advance of 30 bit periods. |          |
| Field Name                 | Field Value                                                                                    | Comments |
| l2_pl                      | '2D'O                                                                                          |          |
| ski                        | '0000'B                                                                                        |          |
| rrpd                       | '0110'B                                                                                        |          |
| mt                         | '00111111'B                                                                                    |          |
| shoct                      | '0000'B                                                                                        |          |
| pm                         | Pm_01                                                                                          |          |
| chd                        | chd                                                                                            |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                   |          |
| ta                         | ta                                                                                             |          |
| ma                         | MoblAllc_01                                                                                    |          |
| strt                       | OMIT                                                                                           |          |
| iaroct                     | laRestOct_01                                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                                |          |

| PDU Constraint Declaration |                                                                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r16(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                          |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                                      |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/4 channel with a time advance of 30 bit periods (default value) for RR tests of DCS. |          |
| Field Name                 | Field Value                                                                                                                          | Comments |
| l2_pl                      | '2D'O                                                                                                                                |          |
| ski                        | '0000'B                                                                                                                              |          |
| rrpd                       | '0110'B                                                                                                                              |          |
| mt                         | '00111111'B                                                                                                                          |          |
| shoct                      | '0000'B                                                                                                                              |          |
| pm                         | Pm_01                                                                                                                                |          |
| chd                        | ChDescrp_r04d(TSPX_SDCCH4SubB,<br>slot, tsc)                                                                                         |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                         |          |
| ta                         | ta                                                                                                                                   |          |
| ma                         | MoblAllc_01                                                                                                                          |          |
| strt                       | OMIT                                                                                                                                 |          |
| iaroct                     | laRestOct_01                                                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                                                                      |          |

| PDU Constraint Declaration |                                                                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r18(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                          |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                                      |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/4 channel with a time advance of 30 bit periods (default value) for RR tests of DCS. |          |
| Field Name                 | Field Value                                                                                                                          | Comments |
| l2_pl                      | '2D'O                                                                                                                                |          |
| ski                        | '0000'B                                                                                                                              |          |
| rrpd                       | '0110'B                                                                                                                              |          |
| mt                         | '00111111'B                                                                                                                          |          |
| shoct                      | '0000'B                                                                                                                              |          |
| pm                         | Pm_01                                                                                                                                |          |
| chd                        | ChDescrp_r04d(TSPX_SDCCH4SubDef,<br>slot, tsc)                                                                                       |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                         |          |
| ta                         | ta                                                                                                                                   |          |
| ma                         | MoblAllc_01                                                                                                                          |          |
| strt                       | OMIT                                                                                                                                 |          |
| iaroct                     | laRestOct_01                                                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                                                                      |          |

| PDU Constraint Declaration |                                                                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r22(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                   |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                                                               |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/4 channel with a time advance of 30 bit periods (default value) for RR tests. |          |
| Field Name                 | Field Value                                                                                                                   | Comments |
| l2_pl                      | '2D'O                                                                                                                         |          |
| ski                        | '0000'B                                                                                                                       |          |
| rrpd                       | '0110'B                                                                                                                       |          |
| mt                         | '00111111'B                                                                                                                   |          |
| shoct                      | '0000'B                                                                                                                       |          |
| pm                         | Pm_01                                                                                                                         |          |
| chd                        | ChDescrp_r23(slot, tsc)                                                                                                       |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                  |          |
| ta                         | ta                                                                                                                            |          |
| ma                         | MoblAllc_01                                                                                                                   |          |
| strt                       | OMIT                                                                                                                          |          |
| iaroct                     | laRestOct_01                                                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                                               |          |

| PDU Constraint Declaration |                                                                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r23(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                   |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                                                               |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/4 channel with a time advance of 30 bit periods (default value) for RR tests. |          |
| Field Name                 | Field Value                                                                                                                   | Comments |
| l2_pl                      | '2D'O                                                                                                                         |          |
| ski                        | '0000'B                                                                                                                       |          |
| rrpd                       | '0110'B                                                                                                                       |          |
| mt                         | '00111111'B                                                                                                                   |          |
| shoct                      | '0000'B                                                                                                                       |          |
| pm                         | Pm_01                                                                                                                         |          |
| chd                        | ChDescrp_r24(slot, tsc)                                                                                                       |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                  |          |
| ta                         | ta                                                                                                                            |          |
| ma                         | MoblAllc_01                                                                                                                   |          |
| strt                       | OMIT                                                                                                                          |          |
| iaroct                     | laRestOct_01                                                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                                               |          |

| PDU Constraint Declaration |                                                                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r24(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                   |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                                                               |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/4 channel with a time advance of 30 bit periods (default value) for RR tests. |          |
| Field Name                 | Field Value                                                                                                                   | Comments |
| l2_pl                      | '2D'O                                                                                                                         |          |
| ski                        | '0000'B                                                                                                                       |          |
| rrpd                       | '0110'B                                                                                                                       |          |
| mt                         | '00111111'B                                                                                                                   |          |
| shoct                      | '0000'B                                                                                                                       |          |
| pm                         | Pm_01                                                                                                                         |          |
| chd                        | ChDescrp_r25(slot, tsc)                                                                                                       |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                  |          |
| ta                         | ta                                                                                                                            |          |
| ma                         | MoblAlc_01                                                                                                                    |          |
| strt                       | OMIT                                                                                                                          |          |
| iaroct                     | laRestOct_01                                                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                                               |          |

| PDU Constraint Declaration |                                                                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r25(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                   |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                                                               |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/4 channel with a time advance of 30 bit periods (default value) for RR tests. |          |
| Field Name                 | Field Value                                                                                                                   | Comments |
| l2_pl                      | '2D'O                                                                                                                         |          |
| ski                        | '0000'B                                                                                                                       |          |
| rrpd                       | '0110'B                                                                                                                       |          |
| mt                         | '00111111'B                                                                                                                   |          |
| shoct                      | '0000'B                                                                                                                       |          |
| pm                         | Pm_01                                                                                                                         |          |
| chd                        | ChDescrp_r26(slot, tsc)                                                                                                       |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                  |          |
| ta                         | ta                                                                                                                            |          |
| ma                         | MoblAlc_01                                                                                                                    |          |
| strt                       | OMIT                                                                                                                          |          |
| iaroct                     | laRestOct_01                                                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                                               |          |

| PDU Constraint Declaration |                                                                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r26(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                   |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                                                               |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/4 channel with a time advance of 30 bit periods (default value) for RR tests. |          |
| Field Name                 | Field Value                                                                                                                   | Comments |
| l2_pl                      | '2D'O                                                                                                                         |          |
| ski                        | '0000'B                                                                                                                       |          |
| rrpd                       | '0110'B                                                                                                                       |          |
| mt                         | '00111111'B                                                                                                                   |          |
| shoct                      | '0000'B                                                                                                                       |          |
| pm                         | Pm_01                                                                                                                         |          |
| chd                        | ChDescrp_r27(slot, tsc)                                                                                                       |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                  |          |
| ta                         | ta                                                                                                                            |          |
| ma                         | MoblAllc_01                                                                                                                   |          |
| strt                       | OMIT                                                                                                                          |          |
| iaroct                     | laRestOct_01                                                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                                               |          |

| PDU Constraint Declaration |                                                                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r27(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                       |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                                                                   |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/8 channel with a time advance of 30 bit periods (default value) for TC_26_6_13_1. |          |
| Field Name                 | Field Value                                                                                                                       | Comments |
| l2_pl                      | '31'O                                                                                                                             |          |
| ski                        | '0000'B                                                                                                                           |          |
| rrpd                       | '0110'B                                                                                                                           |          |
| mt                         | '00111111'B                                                                                                                       |          |
| shoct                      | '0000'B                                                                                                                           |          |
| pm                         | Pm_01                                                                                                                             |          |
| chd                        | ChDescrp_r28(slot, tsc)                                                                                                           |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                      |          |
| ta                         | ta                                                                                                                                |          |
| ma                         | MoblAllc_r05                                                                                                                      |          |
| strt                       | OMIT                                                                                                                              |          |
| iaroct                     | laRestOct_02                                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                                                   |          |

| PDU Constraint Declaration |                                                                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r28(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                       |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                        |          |
| <b>Derivation Path:</b>    | ImmAsgn_r27.                                                                                                                      |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/8 channel with a time advance of 30 bit periods (default value) for TC_26_6_13_2. |          |
| Field Name                 | Field Value                                                                                                                       | Comments |
| chd                        | ChDescrp_r31(slot, tsc)                                                                                                           |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                      |          |
| ta                         | ta                                                                                                                                |          |
| ma                         | MoblAllc_r08                                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                                                   |          |

| PDU Constraint Declaration |                                                                                                                                                    |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r29(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                                        |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                                         |          |
| <b>Derivation Path:</b>    | ImmAsgn_r27.                                                                                                                                       |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign the channel defined by PIXIT and with a time advance of 30 bit periods (default value) for TC_26_6_13_3. |          |
| Field Name                 | Field Value                                                                                                                                        | Comments |
| chd                        | ChDescrp_r33(slot, tsc)                                                                                                                            |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                                       |          |
| ta                         | ta                                                                                                                                                 |          |
| ma                         | MoblAllc_r10                                                                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                    |          |

| PDU Constraint Declaration |                                                                                                                                                    |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r30(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                                        |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                                         |          |
| <b>Derivation Path:</b>    | ImmAsgn_r27.                                                                                                                                       |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign the channel defined by PIXIT and with a time advance of 30 bit periods (default value) for TC_26_6_13_4. |          |
| Field Name                 | Field Value                                                                                                                                        | Comments |
| chd                        | ChDescrp_r37(slot, tsc)                                                                                                                            |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                                       |          |
| ta                         | ta                                                                                                                                                 |          |
| ma                         | MoblAllc_r14                                                                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                    |          |

| PDU Constraint Declaration |                                                                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r31(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                       |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                        |          |
| <b>Derivation Path:</b>    | ImmAsgn_r27.                                                                                                                      |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/8 channel with a time advance of 30 bit periods (default value) for TC_26_6_13_5. |          |
| Field Name                 | Field Value                                                                                                                       | Comments |
| chd                        | ChDescrp_r41(slot, tsc)                                                                                                           |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                      |          |
| ta                         | ta                                                                                                                                |          |
| ma                         | MoblAllc_r18                                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                                                   |          |

| PDU Constraint Declaration |                                                                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r32(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                       |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                        |          |
| <b>Derivation Path:</b>    | ImmAsgn_r27.                                                                                                                      |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/8 channel with a time advance of 30 bit periods (default value) for TC_26_6_13_6. |          |
| Field Name                 | Field Value                                                                                                                       | Comments |
| chd                        | ChDescrp_r44(slot, tsc)                                                                                                           |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                      |          |
| ta                         | ta                                                                                                                                |          |
| ma                         | MoblAllc_r21                                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                                                   |          |

| PDU Constraint Declaration |                                                                                                                                                    |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r33(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                                        |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                                         |          |
| <b>Derivation Path:</b>    | ImmAsgn_r27.                                                                                                                                       |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign the channel defined by PIXIT and with a time advance of 30 bit periods (default value) for TC_26_6_13_7. |          |
| Field Name                 | Field Value                                                                                                                                        | Comments |
| chd                        | ChDescrp_r47(slot, tsc)                                                                                                                            |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                                       |          |
| ta                         | ta                                                                                                                                                 |          |
| ma                         | MoblAllc_r24                                                                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                    |          |

| PDU Constraint Declaration |                                                                                                                                                    |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r34(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                                        |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                                         |          |
| <b>Derivation Path:</b>    | ImmAsgn_r27.                                                                                                                                       |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign the channel defined by PIXIT and with a time advance of 30 bit periods (default value) for TC_26_6_13_8. |          |
| Field Name                 | Field Value                                                                                                                                        | Comments |
| chd                        | ChDescrp_r53(slot, tsc)                                                                                                                            |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                                       |          |
| ta                         | ta                                                                                                                                                 |          |
| ma                         | MoblAllc_r28                                                                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                    |          |

| PDU Constraint Declaration |                                                                                                                                                    |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r35(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                                        |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                                         |          |
| <b>Derivation Path:</b>    | ImmAsgn_r27.                                                                                                                                       |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign the channel defined by PIXIT and with a time advance of 30 bit periods (default value) for TC_26_6_13_9. |          |
| Field Name                 | Field Value                                                                                                                                        | Comments |
| l2_pl                      | '3D'O                                                                                                                                              |          |
| chd                        | ChDescrp_r55(slot, tsc)                                                                                                                            |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                                       |          |
| ta                         | ta                                                                                                                                                 |          |
| ma                         | MoblAllc_r32                                                                                                                                       |          |
| strt                       | ?                                                                                                                                                  |          |
| iaroct                     | laRestOct_03                                                                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                    |          |

| PDU Constraint Declaration |                                                                                                                                                     |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_r36(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)                                                                                         |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                                          |          |
| <b>Derivation Path:</b>    | ImmAsgn_r27.                                                                                                                                        |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign the channel defined by PIXIT and with a time advance of 30 bit periods (default value) for TC_26_6_13_10. |          |
| Field Name                 | Field Value                                                                                                                                         | Comments |
| l2_pl                      | '3D'O                                                                                                                                               |          |
| chd                        | ChDescrp_r56(slot, tsc)                                                                                                                             |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                                        |          |
| ta                         | ta                                                                                                                                                  |          |
| ma                         | MoblAllc_r33                                                                                                                                        |          |
| strt                       | ?                                                                                                                                                   |          |
| iaroct                     | laRestOct_04                                                                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                     |          |

| PDU Constraint Declaration |                                                                                                                                        |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgn_sdcch8(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; subch:BITSTRING; arfcn:INTEGER; ta:TA)                                         |          |
| <b>PDU Type:</b>           | IMMASS_PDU                                                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                                                        |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH8 channel with a time advance of 30 bit periods. time slot = TSPX_TmSlTDef , ARFCN =20. |          |
| Field Name                 | Field Value                                                                                                                            | Comments |
| l2_pl                      | '2D'O                                                                                                                                  |          |
| ski                        | '0000'B                                                                                                                                |          |
| rrpd                       | '0110'B                                                                                                                                |          |
| mt                         | '00111111'B                                                                                                                            |          |
| shoct                      | '0000'B                                                                                                                                |          |
| pm                         | Pm_01                                                                                                                                  |          |
| chd                        | ChDescrp_sdcch8(slot, tsc, subch, arfcn)                                                                                               |          |
| rqr                        | Rqr2(Rr, Fn)                                                                                                                           |          |
| ta                         | ta                                                                                                                                     |          |
| ma                         | MoblAllc_01                                                                                                                            |          |
| strt                       | OMIT                                                                                                                                   |          |
| iaroct                     | IaRestOct_01                                                                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                                                                        |          |

| PDU Constraint Declaration |                                                                     |          |
|----------------------------|---------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgnX_01(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)         |          |
| <b>PDU Type:</b>           | IMMASSX_PDU                                                         |          |
| <b>Derivation Path:</b>    |                                                                     |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT EXTENDED message to assign SDCCH/8 channel. |          |
| Field Name                 | Field Value                                                         | Comments |
| l2_pl                      | '49'O                                                               |          |
| ski                        | '0000'B                                                             |          |
| rrpd                       | '0110'B                                                             |          |
| mt                         | '00111001'B                                                         |          |
| shoct                      | '0000'B                                                             |          |
| pm                         | Pm_03                                                               |          |
| chd1                       | ChDescrp_r01NotC_def(TSPX_SDCCH8 SubA, slot, tsc)                   |          |
| rqr1                       | Rqr2(Rr, Fn)                                                        |          |
| ta1                        | ta                                                                  |          |
| chd2                       | ChDescrp_r01NotC_def(TSPX_SDCCH8 SubB, slot, tsc)                   |          |
| rqr2                       | Rqr2(Rr, Fn)                                                        |          |
| ta2                        | ta                                                                  |          |
| ma                         | MoblAllc_01                                                         |          |
| strt                       | OMIT                                                                |          |
| iaxroct                    | '2B2B2B2B'O                                                         |          |
| <b>Detailed Comments:</b>  |                                                                     |          |



| PDU Constraint Declaration |                                                                     |          |
|----------------------------|---------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgnX_01d(Rr: BITSTRING; Fn: FN; slot:SN; tsc:TSC; ta:TA)        |          |
| <b>PDU Type:</b>           | IMMASSX_PDU                                                         |          |
| <b>Derivation Path:</b>    |                                                                     |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT EXTENDED message to assign SDCCH/8 channel. |          |
| Field Name                 | Field Value                                                         | Comments |
| l2_pl                      | '49'O                                                               |          |
| ski                        | '0000'B                                                             |          |
| rrpd                       | '0110'B                                                             |          |
| mt                         | '00111001'B                                                         |          |
| shoct                      | '0000'B                                                             |          |
| pm                         | Pm_03                                                               |          |
| chd1                       | ChDescrp_r01dNotC_def(TSPX_SDCCH8SubA, slot, tsc)                   |          |
| rqr1                       | Rqr2(Rr, Fn)                                                        |          |
| ta1                        | ta                                                                  |          |
| chd2                       | ChDescrp_r01dNotC_def(TSPX_SDCCH8SubB, slot, tsc)                   |          |
| rqr2                       | Rqr2(Rr, Fn)                                                        |          |
| ta2                        | ta                                                                  |          |
| ma                         | MoblAllc_01                                                         |          |
| strt                       | OMIT                                                                |          |
| iaxroct                    | '2B2B2B2B'O                                                         |          |
| <b>Detailed Comments:</b>  |                                                                     |          |

| PDU Constraint Declaration |                                                                                                                                                      |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgnX_02( slot:SN; tsc:TSC; ta:TA)                                                                                                                |          |
| <b>PDU Type:</b>           | IMMASSX_PDU                                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                                      |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT EXTENDED message containing paging mode = paging reorganisation and Request References that do not pertain to MS under test. |          |
| Field Name                 | Field Value                                                                                                                                          | Comments |
| l2_pl                      | '49'O                                                                                                                                                |          |
| ski                        | '0000'B                                                                                                                                              |          |
| rrpd                       | '0110'B                                                                                                                                              |          |
| mt                         | '00111001'B                                                                                                                                          |          |
| shoct                      | '0000'B                                                                                                                                              |          |
| pm                         | Pm_04                                                                                                                                                |          |
| chd1                       | ChDescrp_r01C_def(TSPX_SDCCH8SubA, slot, tsc)                                                                                                        |          |
| rqr1                       | Rqr3                                                                                                                                                 |          |
| ta1                        | ta                                                                                                                                                   |          |
| chd2                       | ChDescrp_r01C_def(TSPX_SDCCH8SubB, slot, tsc)                                                                                                        |          |
| rqr2                       | Rqr3                                                                                                                                                 |          |
| ta2                        | ta                                                                                                                                                   |          |
| ma                         | MoblAllc_01                                                                                                                                          |          |
| strt                       | OMIT                                                                                                                                                 |          |
| iaxroct                    | '2B2B2B2B'O                                                                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                      |          |

| PDU Constraint Declaration |                                                                                                                                                      |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgnX_02d( slot:SN; tsc:TSC; ta:TA)                                                                                                               |          |
| <b>PDU Type:</b>           | IMMASSX_PDU                                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                                      |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT EXTENDED message containing paging mode = paging reorganisation and Request References that do not pertain to MS under test. |          |
| Field Name                 | Field Value                                                                                                                                          | Comments |
| l2_pl                      | '49'O                                                                                                                                                |          |
| ski                        | '0000'B                                                                                                                                              |          |
| rrpd                       | '0110'B                                                                                                                                              |          |
| mt                         | '00111001'B                                                                                                                                          |          |
| shoct                      | '0000'B                                                                                                                                              |          |
| pm                         | Pm_04                                                                                                                                                |          |
| chd1                       | ChDescrp_r01dC_def(TSPX_SDCCH8SubA, slot, tsc)                                                                                                       |          |
| rqr1                       | Rqr3                                                                                                                                                 |          |
| ta1                        | ta                                                                                                                                                   |          |
| chd2                       | ChDescrp_r01dC_def(TSPX_SDCCH8SubB, slot, tsc)                                                                                                       |          |
| rqr2                       | Rqr3                                                                                                                                                 |          |
| ta2                        | ta                                                                                                                                                   |          |
| ma                         | MobAllc_01                                                                                                                                           |          |
| strt                       | OMIT                                                                                                                                                 |          |
| iaxroct                    | '2B2B2B2B'O                                                                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                      |          |

| PDU Constraint Declaration |                                                                                                                                                      |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgnX_03( slot:SN; tsc:TSC; ta:TA)                                                                                                                |          |
| <b>PDU Type:</b>           | IMMASSX_PDU                                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                                      |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT EXTENDED message containing paging mode = paging reorganisation and Request References that do not pertain to MS under test. |          |
| Field Name                 | Field Value                                                                                                                                          | Comments |
| l2_pl                      | '49'O                                                                                                                                                |          |
| ski                        | '0000'B                                                                                                                                              |          |
| rrpd                       | '0110'B                                                                                                                                              |          |
| mt                         | '00111001'B                                                                                                                                          |          |
| shoct                      | '0000'B                                                                                                                                              |          |
| pm                         | Pm_04                                                                                                                                                |          |
| chd1                       | ChDescrp_r01NotC_def(TSPX_SDCCH8SubA, slot, tsc)                                                                                                     |          |
| rqr1                       | Rqr3                                                                                                                                                 |          |
| ta1                        | ta                                                                                                                                                   |          |
| chd2                       | ChDescrp_r01NotC_def(TSPX_SDCCH8SubB, slot, tsc)                                                                                                     |          |
| rqr2                       | Rqr3                                                                                                                                                 |          |
| ta2                        | ta                                                                                                                                                   |          |
| ma                         | MobAllc_01                                                                                                                                           |          |
| strt                       | OMIT                                                                                                                                                 |          |
| iaxroct                    | '2B2B2B2B'O                                                                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                      |          |

| PDU Constraint Declaration |                                                                                                                                                      |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgnX_03d( slot:SN; tsc:TSC; ta:TA)                                                                                                               |          |
| <b>PDU Type:</b>           | IMMASSX_PDU                                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                                      |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT EXTENDED message containing paging mode = paging reorganisation and Request References that do not pertain to MS under test. |          |
| Field Name                 | Field Value                                                                                                                                          | Comments |
| l2_pl                      | '49'O                                                                                                                                                |          |
| ski                        | '0000'B                                                                                                                                              |          |
| rrpd                       | '0110'B                                                                                                                                              |          |
| mt                         | '00111001'B                                                                                                                                          |          |
| shoct                      | '0000'B                                                                                                                                              |          |
| pm                         | Pm_04                                                                                                                                                |          |
| chd1                       | ChDescrp_r01dNotC_def(TSPX_SDCCH8SubA, slot, tsc)                                                                                                    |          |
| rqr1                       | Rqr3                                                                                                                                                 |          |
| ta1                        | ta                                                                                                                                                   |          |
| chd2                       | ChDescrp_r01dNotC_def(TSPX_SDCCH8SubB, slot, tsc)                                                                                                    |          |
| rqr2                       | Rqr3                                                                                                                                                 |          |
| ta2                        | ta                                                                                                                                                   |          |
| ma                         | MoblAllc_01                                                                                                                                          |          |
| strt                       | OMIT                                                                                                                                                 |          |
| iaxroct                    | '2B2B2B2B'O                                                                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                      |          |

| PDU Constraint Declaration |                                                                                                                                                      |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgnX_04( slot:SN; tsc:TSC; ta:TA)                                                                                                                |          |
| <b>PDU Type:</b>           | IMMASSX_PDU                                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                                      |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT EXTENDED message containing paging mode = paging reorganisation and Request References that do not pertain to MS under test. |          |
| Field Name                 | Field Value                                                                                                                                          | Comments |
| l2_pl                      | '49'O                                                                                                                                                |          |
| ski                        | '0000'B                                                                                                                                              |          |
| rrpd                       | '0110'B                                                                                                                                              |          |
| mt                         | '00111001'B                                                                                                                                          |          |
| shoct                      | '0000'B                                                                                                                                              |          |
| pm                         | Pm_04                                                                                                                                                |          |
| chd1                       | ChDescrp_r01NotC_def(TSPX_SDCCH8SubA, slot, tsc)                                                                                                     |          |
| rqr1                       | Rqr3                                                                                                                                                 |          |
| ta1                        | ta                                                                                                                                                   |          |
| chd2                       | ChDescrp_r01NotC_def(TSPX_SDCCH8SubB, slot, tsc)                                                                                                     |          |
| rqr2                       | Rqr3                                                                                                                                                 |          |
| ta2                        | ta                                                                                                                                                   |          |
| ma                         | MoblAllc_01                                                                                                                                          |          |
| strt                       | OMIT                                                                                                                                                 |          |
| iaxroct                    | '2B2B2B2B'O                                                                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                      |          |

| PDU Constraint Declaration |                                                                                                                                                      |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgnX_04d( slot:SN; tsc:TSC; ta:TA)                                                                                                               |          |
| <b>PDU Type:</b>           | IMMASSX_PDU                                                                                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                                                                                      |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT EXTENDED message containing paging mode = paging reorganisation and Request References that do not pertain to MS under test. |          |
| Field Name                 | Field Value                                                                                                                                          | Comments |
| l2_pl                      | '49'O                                                                                                                                                |          |
| ski                        | '0000'B                                                                                                                                              |          |
| rrpd                       | '0110'B                                                                                                                                              |          |
| mt                         | '00111001'B                                                                                                                                          |          |
| shoct                      | '0000'B                                                                                                                                              |          |
| pm                         | Pm_04                                                                                                                                                |          |
| chd1                       | ChDescrp_r01dNotC_def(TSPX_SDCCH<br>8SubA, slot, tsc)                                                                                                |          |
| rqr1                       | Rqr3                                                                                                                                                 |          |
| ta1                        | ta                                                                                                                                                   |          |
| chd2                       | ChDescrp_r01dNotC_def(TSPX_SDCCH<br>8SubB, slot, tsc)                                                                                                |          |
| rqr2                       | Rqr3                                                                                                                                                 |          |
| ta2                        | ta                                                                                                                                                   |          |
| ma                         | MoblAllc_01                                                                                                                                          |          |
| strt                       | OMIT                                                                                                                                                 |          |
| iaxroct                    | '2B2B2B2B'O                                                                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                      |          |

| PDU Constraint Declaration |                                                                                         |          |
|----------------------------|-----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgnX_r01(Rr: BITSTRING; Fn: FN; Rr_9: BITSTRING; Fn_9: FN; slot:SN; tsc:TSC; ta:TA) |          |
| <b>PDU Type:</b>           | IMMASSX_PDU                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                         |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/4 channel.                              |          |
| Field Name                 | Field Value                                                                             | Comments |
| l2_pl                      | '49'O                                                                                   |          |
| ski                        | '0000'B                                                                                 |          |
| rrpd                       | '0110'B                                                                                 |          |
| mt                         | '00111001'B                                                                             |          |
| shoct                      | '0000'B                                                                                 |          |
| pm                         | Pm_01                                                                                   |          |
| chd1                       | ChDescrp_r04(TSPX_SDCCH4SubA,<br>slot, tsc)                                             |          |
| rqr1                       | Rqr2(Rr, Fn)                                                                            |          |
| ta1                        | ta                                                                                      |          |
| chd2                       | ChDescrp_r04(TSPX_SDCCH4SubB,<br>slot, tsc)                                             |          |
| rqr2                       | Rqr2(Rr_9, Fn_9)                                                                        |          |
| ta2                        | ta                                                                                      |          |
| ma                         | MoblAllc_01                                                                             |          |
| strt                       | OMIT                                                                                    |          |
| iaxroct                    | '2B2B2B2B'O                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                         |          |

| PDU Constraint Declaration |                                                                                         |          |
|----------------------------|-----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgnX_r02(Rr: BITSTRING; Fn: FN; Rr_9: BITSTRING; Fn_9: FN; slot:SN; tsc:TSC; ta:TA) |          |
| <b>PDU Type:</b>           | IMMASSX_PDU                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                         |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/8 channel.                              |          |
| Field Name                 | Field Value                                                                             | Comments |
| l2_pl                      | '49'O                                                                                   |          |
| ski                        | '0000'B                                                                                 |          |
| rrpd                       | '0110'B                                                                                 |          |
| mt                         | '00111001'B                                                                             |          |
| shoct                      | '0000'B                                                                                 |          |
| pm                         | Pm_01                                                                                   |          |
| chd1                       | ChDescrp_r01NotC_def(TSPX_SDCCH8<br>SubB, slot, tsc)                                    |          |
| rqr1                       | Rqr2(Rr, Fn)                                                                            |          |
| ta1                        | ta                                                                                      |          |
| chd2                       | ChDescrp_r01NotC_def(TSPX_SDCCH8<br>SubC, slot, tsc)                                    |          |
| rqr2                       | Rqr2(Rr_9, Fn_9)                                                                        |          |
| ta2                        | ta                                                                                      |          |
| ma                         | MoblAllc_01                                                                             |          |
| strt                       | OMIT                                                                                    |          |
| iaxroct                    | '2B2B2B2B'O                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                         |          |

| PDU Constraint Declaration |                                                                                         |          |
|----------------------------|-----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgnX_r03(Rr: BITSTRING; Fn: FN; Rr_9: BITSTRING; Fn_9: FN; slot:SN; tsc:TSC; ta:TA) |          |
| <b>PDU Type:</b>           | IMMASSX_PDU                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                         |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT message to assign SDCCH/4 channel for RR test of DCS.           |          |
| Field Name                 | Field Value                                                                             | Comments |
| l2_pl                      | '49'O                                                                                   |          |
| ski                        | '0000'B                                                                                 |          |
| rrpd                       | '0110'B                                                                                 |          |
| mt                         | '00111001'B                                                                             |          |
| shoct                      | '0000'B                                                                                 |          |
| pm                         | Pm_01                                                                                   |          |
| chd1                       | ChDescrp_r04d(TSPX_SDCCH4SubA,<br>slot, tsc)                                            |          |
| rqr1                       | Rqr2(Rr, Fn)                                                                            |          |
| ta1                        | ta                                                                                      |          |
| chd2                       | ChDescrp_r04d(TSPX_SDCCH4SubB,<br>slot, tsc)                                            |          |
| rqr2                       | Rqr2(Rr_9, Fn_9)                                                                        |          |
| ta2                        | ta                                                                                      |          |
| ma                         | MoblAllc_01                                                                             |          |
| strt                       | OMIT                                                                                    |          |
| iaxroct                    | '2B2B2B2B'O                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                         |          |

| PDU Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgnRej_01(Rr: BITSTRING; Fn: FN)                                  |          |
| <b>PDU Type:</b>           | IMMASS_REJ_PDU                                                        |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT REJECT message containing normal paging mode. |          |
| Field Name                 | Field Value                                                           | Comments |
| l2_pl                      | '4D'O                                                                 |          |
| ski                        | '0000'B                                                               |          |
| rrpd                       | '0110'B                                                               |          |
| mt                         | '00111010'B                                                           |          |
| shoct                      | '0000'B                                                               |          |
| pm                         | Pm_01                                                                 |          |
| rqr1                       | Rqr2(Rr, Fn)                                                          |          |
| wi1                        | '00'H                                                                 |          |
| rqr2                       | Rqr2(Rr, Fn)                                                          |          |
| wi2                        | '00'H                                                                 |          |
| rqr3                       | Rqr2(Rr, Fn)                                                          |          |
| wi3                        | '00'H                                                                 |          |
| rqr4                       | Rqr2(Rr, Fn)                                                          |          |
| wi4                        | '00'H                                                                 |          |
| iarroct                    | '2B2B2B'O                                                             |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| PDU Constraint Declaration |                                                                                                               |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgnRej_02(Rr:BITSTRING; Fn: FN)                                                                           |          |
| <b>PDU Type:</b>           | IMMASS_REJ_PDU                                                                                                |          |
| <b>Derivation Path:</b>    | ImmAsgnRej_01.                                                                                                |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT REJECT message in which only the third request reference addresses the MS under test. |          |
| Field Name                 | Field Value                                                                                                   | Comments |
| rqr1                       | Rqr1(Rr, Fn)                                                                                                  |          |
| wi1                        | '02'H                                                                                                         |          |
| rqr2                       | Rqr1(Rr, Fn)                                                                                                  |          |
| wi2                        | '02'H                                                                                                         |          |
| rqr3                       | Rqr2(Rr, Fn)                                                                                                  |          |
| wi3                        | '00'H                                                                                                         |          |
| rqr4                       | Rqr1(Rr, Fn)                                                                                                  |          |
| wi4                        | '02'H                                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                                               |          |

| PDU Constraint Declaration |                                                                                                       |          |
|----------------------------|-------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgnRej_03(Rr: BITSTRING; Fn: FN)                                                                  |          |
| <b>PDU Type:</b>           | IMMASS_REJ_PDU                                                                                        |          |
| <b>Derivation Path:</b>    | ImmAsgnRej_01.                                                                                        |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT REJECT message containing normal paging mode and wait indication = 5 seconds. |          |
| Field Name                 | Field Value                                                                                           | Comments |
| rqr1                       | Rqr2(Rr, Fn)                                                                                          |          |
| wi1                        | '05'H                                                                                                 |          |
| rqr2                       | Rqr2(Rr, Fn)                                                                                          |          |
| wi2                        | '05'H                                                                                                 |          |
| rqr3                       | Rqr2(Rr, Fn)                                                                                          |          |
| wi3                        | '05'H                                                                                                 |          |
| rqr4                       | Rqr2(Rr, Fn)                                                                                          |          |
| wi4                        | '05'H                                                                                                 |          |
| iarroct                    | '2B2B2B'O                                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                                       |          |

| PDU Constraint Declaration |                                                                                                       |          |
|----------------------------|-------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgnRej_04(Rr: BITSTRING; Fn: FN)                                                                  |          |
| <b>PDU Type:</b>           | IMMASS_REJ_PDU                                                                                        |          |
| <b>Derivation Path:</b>    | ImmAsgnRej_01.                                                                                        |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT REJECT message containing normal paging mode and wait indication = 6 seconds. |          |
| Field Name                 | Field Value                                                                                           | Comments |
| rqr1                       | Rqr2(Rr, Fn)                                                                                          |          |
| wi1                        | '06'H                                                                                                 |          |
| rqr2                       | Rqr2(Rr, Fn)                                                                                          |          |
| wi2                        | '06'H                                                                                                 |          |
| rqr3                       | Rqr2(Rr, Fn)                                                                                          |          |
| wi3                        | '06'H                                                                                                 |          |
| rqr4                       | Rqr2(Rr, Fn)                                                                                          |          |
| wi4                        | '06'H                                                                                                 |          |
| iarroct                    | '2B2B2B'O                                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                                       |          |

| PDU Constraint Declaration |                                                                                              |          |
|----------------------------|----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgnRej_inv_01(Rr: BITSTRING; Fn: FN)                                                     |          |
| <b>PDU Type:</b>           | IMMASS_REJ_PDU                                                                               |          |
| <b>Derivation Path:</b>    | ImmAsgnRej_01.                                                                               |          |
| <b>Comments:</b>           | An invalid IMMEDIATE ASSIGNMENT REJECT message with skip indicator = 2, reject time = 255 s. |          |
| Field Name                 | Field Value                                                                                  | Comments |
| ski                        | '0010'B                                                                                      |          |
| rqr1                       | Rqr2(Rr, Fn)                                                                                 |          |
| wi1                        | 'FF'H                                                                                        |          |
| rqr2                       | Rqr2(Rr, Fn)                                                                                 |          |
| wi2                        | 'FF'H                                                                                        |          |
| rqr3                       | Rqr2(Rr, Fn)                                                                                 |          |
| wi3                        | 'FF'H                                                                                        |          |
| rqr4                       | Rqr2(Rr, Fn)                                                                                 |          |
| wi4                        | 'FF'H                                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                              |          |

| PDU Constraint Declaration |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgnRej_inv_02(Rr: BITSTRING; Fn: FN)                                       |          |
| <b>PDU Type:</b>           | IMMASS_REJ_PDU                                                                 |          |
| <b>Derivation Path:</b>    | ImmAsgnRej_01.                                                                 |          |
| <b>Comments:</b>           | An invalid IMMEDIATE ASSIGNMENT REJECT message containing arbitrary spare bits |          |
| Field Name                 | Field Value                                                                    | Comments |
| shoct                      | '1010'B                                                                        |          |
| pm                         | Pm_01                                                                          |          |
| rqr1                       | Rqr2(Rr, Fn)                                                                   |          |
| rqr2                       | Rqr2(Rr, Fn)                                                                   |          |
| wi2                        | TSPX_T3122                                                                     |          |
| rqr3                       | Rqr2(Rr, Fn)                                                                   |          |
| wi3                        | TSPX_T3122                                                                     |          |
| rqr4                       | Rqr2(Rr, Fn)                                                                   |          |
| wi4                        | TSPX_T3122                                                                     |          |
| iarroct                    | '010101'O                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| PDU Constraint Declaration |                                                                                                               |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgnRej_r01(rqr1, rqr2, rqr3, rqr4: RQR; t3122: INTEGER)                                                   |          |
| <b>PDU Type:</b>           | IMMASS_REJ_PDU                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                               |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT REJECT message in which only the third request reference addresses the MS under test. |          |
| Field Name                 | Field Value                                                                                                   | Comments |
| l2_pl                      | '4D'O                                                                                                         |          |
| ski                        | '0000'B                                                                                                       |          |
| rrpd                       | '0110'B                                                                                                       |          |
| mt                         | '00111010'B                                                                                                   |          |
| shoct                      | '0000'B                                                                                                       |          |
| pm                         | Pm_01                                                                                                         |          |
| rqr1                       | rqr1                                                                                                          |          |
| wi1                        | '00'H                                                                                                         |          |
| rqr2                       | rqr2                                                                                                          |          |
| wi2                        | '00'H                                                                                                         |          |
| rqr3                       | rqr3                                                                                                          |          |
| wi3                        | INT_TO_HEX(t3122, 2)                                                                                          |          |
| rqr4                       | rqr4                                                                                                          |          |
| wi4                        | '00'H                                                                                                         |          |
| iarroct                    | '2B2B2B'O                                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                                               |          |

| PDU Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgnRej_r02(Rr: BITSTRING; Fn: FN)                                 |          |
| <b>PDU Type:</b>           | IMMASS_REJ_PDU                                                        |          |
| <b>Derivation Path:</b>    | ImmAsgnRej_01.                                                        |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT REJECT message containing normal paging mode. |          |
| Field Name                 | Field Value                                                           | Comments |
| l2_pl                      | '4D'O                                                                 |          |
| ski                        | '0000'B                                                               |          |
| rrpd                       | '0110'B                                                               |          |
| mt                         | '00111010'B                                                           |          |
| shoct                      | '0000'B                                                               |          |
| pm                         | Pm_01                                                                 |          |
| rqr1                       | Rqr2(Rr, Fn)                                                          |          |
| wi1                        | '00'H                                                                 |          |
| rqr2                       | Rqr1(Rr, Fn)                                                          |          |
| wi2                        | '00'H                                                                 |          |
| rqr3                       | Rqr1(Rr, Fn)                                                          |          |
| wi3                        | '00'H                                                                 |          |
| rqr4                       | Rqr1(Rr, Fn)                                                          |          |
| wi4                        | '00'H                                                                 |          |
| iarroct                    | '2B2B2B'O                                                             |          |
| <b>Detailed Comments:</b>  |                                                                       |          |



| PDU Constraint Declaration |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImmAsgnRej_r04                                                                    |          |
| <b>PDU Type:</b>           | IMMASS_REJ_PDU                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                   |          |
| <b>Comments:</b>           | An IMMEDIATE ASSIGNMENT REJECT message containing paging mode = "extended paging" |          |
| Field Name                 | Field Value                                                                       | Comments |
| l2_pl                      | '4D'O                                                                             |          |
| ski                        | '0000'B                                                                           |          |
| rrpd                       | '0110'B                                                                           |          |
| mt                         | '00111010'B                                                                       |          |
| shoct                      | '0000'B                                                                           |          |
| pm                         | Pm_03                                                                             |          |
| rqr1                       | Rqr3                                                                              |          |
| wi1                        | '00'H                                                                             |          |
| rqr2                       | Rqr3                                                                              |          |
| wi2                        | '00'H                                                                             |          |
| rqr3                       | Rqr3                                                                              |          |
| wi3                        | '00'H                                                                             |          |
| rqr4                       | Rqr3                                                                              |          |
| wi4                        | '00'H                                                                             |          |
| iarroct                    | '2B2B2B'O                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| PDU Constraint Declaration |                                                                                               |          |
|----------------------------|-----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImsiDetach_01                                                                                 |          |
| <b>PDU Type:</b>           | IMSID_IN_PDU                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                               |          |
| <b>Comments:</b>           | IMSI DETACH INDICATION message matching any MS classmark1 value and any mobile identity value |          |
| Field Name                 | Field Value                                                                                   | Comments |
| ski                        | '0000'B                                                                                       |          |
| mmpd                       | '0101'B                                                                                       |          |
| mt                         | '0?000001'B                                                                                   |          |
| msclm                      | ?                                                                                             |          |
| mi                         | ?                                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                               |          |

| PDU Constraint Declaration |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ImsiDetach_30(par:MI)                                                           |          |
| <b>PDU Type:</b>           | IMSID_IN_PDU                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                 |          |
| <b>Comments:</b>           | IMSI DETACH INDICATION message matching any MS classmark1 value and given IMSI. |          |
| Field Name                 | Field Value                                                                     | Comments |
| ski                        | '0000'B                                                                         |          |
| mmpd                       | '0101'B                                                                         |          |
| mt                         | '0?000001'B                                                                     |          |
| msclm                      | ?                                                                               |          |
| mi                         | par                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| PDU Constraint Declaration |                                                                                                     |          |
|----------------------------|-----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUpdtAcp(mnc, lac:OCTETSTRING)                                                                    |          |
| <b>PDU Type:</b>           | LUP_ACP_PDU                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                     |          |
| <b>Comments:</b>           | A LOCATION UPDATING ACCEPT message without mobile identity and LAI of PLMN2.<br>LAC set in TCV_lac. |          |
| Field Name                 | Field Value                                                                                         | Comments |
| ski                        | '0000'B                                                                                             |          |
| mmpd                       | '0101'B                                                                                             |          |
| mt                         | '00000010'B                                                                                         |          |
| lai                        | LocAreald(mnc, lac)                                                                                 |          |
| mi                         | OMIT                                                                                                |          |
| fop                        | OMIT                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                     |          |

| PDU Constraint Declaration |                                                   |          |
|----------------------------|---------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUpdtAcp_01                                     |          |
| <b>PDU Type:</b>           | LUP_ACP_PDU                                       |          |
| <b>Derivation Path:</b>    |                                                   |          |
| <b>Comments:</b>           | To assign a new TMSI. The location area is Cell A |          |
| Field Name                 | Field Value                                       | Comments |
| ski                        | '0000'B                                           |          |
| mmpd                       | '0101'B                                           |          |
| mt                         | '00000010'B                                       |          |
| lai                        | LocAreald_01                                      |          |
| mi                         | MiTmsi_02iei                                      |          |
| fop                        | OMIT                                              |          |
| <b>Detailed Comments:</b>  |                                                   |          |

| PDU Constraint Declaration                               |                                                             |          |
|----------------------------------------------------------|-------------------------------------------------------------|----------|
| <b>Constraint Name:</b>                                  | LocUpdtAcp_02                                               |          |
| <b>PDU Type:</b>                                         | LUP_ACP_PDU                                                 |          |
| <b>Derivation Path:</b>                                  |                                                             |          |
| <b>Comments:</b>                                         | A LOCATION UPDATING ACCEPT message without mobile identity. |          |
| Field Name                                               | Field Value                                                 | Comments |
| ski                                                      | '0000'B                                                     |          |
| mmpd                                                     | '0101'B                                                     |          |
| mt                                                       | '00000010'B                                                 |          |
| lai                                                      | LocAreald_01                                                |          |
| mi                                                       | OMIT                                                        |          |
| fop                                                      | OMIT                                                        |          |
| <b>Detailed Comments:</b> mcc = 001, mnc = 01, lac = 001 |                                                             |          |

| PDU Constraint Declaration |               |          |
|----------------------------|---------------|----------|
| <b>Constraint Name:</b>    | LocUpdtAcp_03 |          |
| <b>PDU Type:</b>           | LUP_ACP_PDU   |          |
| <b>Derivation Path:</b>    |               |          |
| <b>Comments:</b>           |               |          |
| Field Name                 | Field Value   | Comments |
| ski                        | '0000'B       |          |
| mmpd                       | '0101'B       |          |
| mt                         | '00000010'B   |          |
| lai                        | LocAreald_02  |          |
| mi                         | MiTmsi_01iei  |          |
| fop                        | OMIT          |          |
| <b>Detailed Comments:</b>  |               |          |

| PDU Constraint Declaration |                                           |          |
|----------------------------|-------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUpdtAcp_30(newmi: MI; lac:OCTETSTRING) |          |
| <b>PDU Type:</b>           | LUP_ACP_PDU                               |          |
| <b>Derivation Path:</b>    |                                           |          |
| <b>Comments:</b>           | To assign a new TMSI. LAC set in TCV_lac. |          |
| Field Name                 | Field Value                               | Comments |
| ski                        | '0000'B                                   |          |
| mmpd                       | '0101'B                                   |          |
| mt                         | '00000010'B                               |          |
| lai                        | LocAreald_30(lac)                         |          |
| mi                         | newmi                                     |          |
| fop                        | OMIT                                      |          |
| <b>Detailed Comments:</b>  |                                           |          |

| PDU Constraint Declaration |                                                                                                     |          |
|----------------------------|-----------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUpdtAcp_31( lac:OCTETSTRING)                                                                     |          |
| <b>PDU Type:</b>           | LUP_ACP_PDU                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                     |          |
| <b>Comments:</b>           | A LOCATION UPDATING ACCEPT message without mobile identity and LAI of PLMN2.<br>LAC set in TCV_lac. |          |
| Field Name                 | Field Value                                                                                         | Comments |
| ski                        | '0000'B                                                                                             |          |
| mmpd                       | '0101'B                                                                                             |          |
| mt                         | '00000010'B                                                                                         |          |
| lai                        | LocAreald_31(lac)                                                                                   |          |
| mi                         | OMIT                                                                                                |          |
| fop                        | OMIT                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                     |          |

| PDU Constraint Declaration |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUpdtAcp_32( lac:OCTETSTRING)                                                   |          |
| <b>PDU Type:</b>           | LUP_ACP_PDU                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                   |          |
| <b>Comments:</b>           | To send a Location Update Accept without any Mobile Identity. LAC set in TCV_lac. |          |
| Field Name                 | Field Value                                                                       | Comments |
| ski                        | '0000'B                                                                           |          |
| mmpd                       | '0101'B                                                                           |          |
| mt                         | '00000010'B                                                                       |          |
| lai                        | LocAreald_30(lac)                                                                 |          |
| mi                         | OMIT                                                                              |          |
| fop                        | OMIT                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| PDU Constraint Declaration |                                 |          |
|----------------------------|---------------------------------|----------|
| <b>Constraint Name:</b>    | LocUpdtAcp_33( lac:OCTETSTRING) |          |
| <b>PDU Type:</b>           | LUP_ACP_PDU                     |          |
| <b>Derivation Path:</b>    | LocUpdtAcp_31.                  |          |
| <b>Comments:</b>           | To assign a new TMSI.           |          |
| Field Name                 | Field Value                     | Comments |
| lai                        | LocAreald_30(lac)               |          |
| mi                         | OMIT                            |          |
| fop                        | '10100001'B                     |          |
| <b>Detailed Comments:</b>  |                                 |          |

| PDU Constraint Declaration |                                           |          |
|----------------------------|-------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUpdtAcp_34(lac:OCTETSTRING)            |          |
| <b>PDU Type:</b>           | LUP_ACP_PDU                               |          |
| <b>Derivation Path:</b>    |                                           |          |
| <b>Comments:</b>           | To assign a new TMSI. LAC set in TCV_lac. |          |
| Field Name                 | Field Value                               | Comments |
| ski                        | '0000'B                                   |          |
| mmpd                       | '0101'B                                   |          |
| mt                         | '00000010'B                               |          |
| lai                        | LocAreald_30(lac)                         |          |
| mi                         | OMIT                                      |          |
| fop                        | OMIT                                      |          |
| <b>Detailed Comments:</b>  |                                           |          |

| PDU Constraint Declaration |                                           |          |
|----------------------------|-------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUpdtAcp_35(lac:OCTETSTRING)            |          |
| <b>PDU Type:</b>           | LUP_ACP_PDU                               |          |
| <b>Derivation Path:</b>    |                                           |          |
| <b>Comments:</b>           | To assign a new TMSI. LAC set in TCV_lac. |          |
| Field Name                 | Field Value                               | Comments |
| ski                        | '0000'B                                   |          |
| mmpd                       | '0101'B                                   |          |
| mt                         | '00000010'B                               |          |
| lai                        | LocAreald_30(lac)                         |          |
| mi                         | OMIT                                      |          |
| fop                        | OMIT                                      |          |
| <b>Detailed Comments:</b>  |                                           |          |

| PDU Constraint Declaration |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUpdtAcp_inv_01                                                                 |          |
| <b>PDU Type:</b>           | LUP_ACP_PDU_ERR                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                   |          |
| <b>Comments:</b>           | Invalid LOCATION UPDATING ACCEPT message containing duplicated mobile identifier. |          |
| Field Name                 | Field Value                                                                       | Comments |
| ski                        | '0000'B                                                                           |          |
| mmpd                       | '0101'B                                                                           |          |
| mt                         | '00000010'B                                                                       |          |
| lai                        | LocAreald_02                                                                      |          |
| mi                         | Milmsi_01iei                                                                      |          |
| dupmi                      | MiTmsi_01iei                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| PDU Constraint Declaration |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUpdtAcp_inv_03                                                                |          |
| <b>PDU Type:</b>           | LUP_ACP_PDU                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                  |          |
| <b>Comments:</b>           | An invalid LOCATION UPDATING ACCEPT message containing comprehension required IE |          |
| Field Name                 | Field Value                                                                      | Comments |
| ski                        | '0000'B                                                                          |          |
| mmpd                       | '0101'B                                                                          |          |
| mt                         | '00000010'B                                                                      |          |
| lai                        | LocAreald_02                                                                     |          |
| mi                         | Mi_01                                                                            |          |
| fop                        | OMIT                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |

| PDU Constraint Declaration |                                                         |          |
|----------------------------|---------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUpdtAcp_inv_04                                       |          |
| <b>PDU Type:</b>           | LUP_ACP_PDU_ERR                                         |          |
| <b>Derivation Path:</b>    | LocUpdtAcp_inv_01.                                      |          |
| <b>Comments:</b>           | An invalid LOCATION UPDATING ACCEPT message unknown IEI |          |
| Field Name                 | Field Value                                             | Comments |
| lai                        | LocAreald_01                                            |          |
| mi                         | Mi_02                                                   |          |
| dupmi                      | MiTmsi_04                                               |          |
| <b>Detailed Comments:</b>  |                                                         |          |

| PDU Constraint Declaration |                                                                     |          |
|----------------------------|---------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUpdtAcp_inv_05                                                   |          |
| <b>PDU Type:</b>           | LUP_ACP_PDU_ERR                                                     |          |
| <b>Derivation Path:</b>    | LocUpdtAcp_inv_01.LocUpdtAcp_inv_04.                                |          |
| <b>Comments:</b>           | An invalid LOCATION UPDATING ACCEPT message containing unknown IEI. |          |
| Field Name                 | Field Value                                                         | Comments |
| lai                        | LocAreald_01                                                        |          |
| mi                         | Mi_06                                                               |          |
| dupmi                      | MiTmsi_04                                                           |          |
| <b>Detailed Comments:</b>  |                                                                     |          |

| PDU Constraint Declaration |                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUpdtReq_01                                                                        |          |
| <b>PDU Type:</b>           | LUP_RQ_PDU                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                      |          |
| <b>Comments:</b>           | A LOCATION UPDATING REQUEST message containing location updating type = IMSI attach. |          |
| Field Name                 | Field Value                                                                          | Comments |
| ski                        | '0000'B                                                                              |          |
| mmpd                       | '0101'B                                                                              |          |
| mt                         | '0?001000'B                                                                          |          |
| cphksn                     | ?                                                                                    |          |
| lutype                     | LocUpType_01                                                                         |          |
| lai                        | ?                                                                                    |          |
| msclm                      | ?                                                                                    |          |
| mi                         | ?                                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                      |          |

| PDU Constraint Declaration |                                                                                                   |          |
|----------------------------|---------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUpdtReq_02                                                                                     |          |
| <b>PDU Type:</b>           | LUP_RQ_PDU                                                                                        |          |
| <b>Derivation Path:</b>    | LocUpdtReq_01.                                                                                    |          |
| <b>Comments:</b>           | A LOCATION UPDATING REQUEST message containing location updating type = normal location updating. |          |
| Field Name                 | Field Value                                                                                       | Comments |
| lutype                     | LocUpType_02                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                   |          |

| PDU Constraint Declaration |                   |          |
|----------------------------|-------------------|----------|
| <b>Constraint Name:</b>    | LocUpdtReq_03     |          |
| <b>PDU Type:</b>           | LUP_RQ_PDU        |          |
| <b>Derivation Path:</b>    | LocUpdtReq_01.    |          |
| <b>Comments:</b>           | periodic updating |          |
| Field Name                 | Field Value       | Comments |
| lutype                     | LocUpType_03      |          |
| <b>Detailed Comments:</b>  |                   |          |

| PDU Constraint Declaration |                                                    |          |
|----------------------------|----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUpdtReq_04                                      |          |
| <b>PDU Type:</b>           | LUP_RQ_PDU                                         |          |
| <b>Derivation Path:</b>    | LocUpdtReq_01.                                     |          |
| <b>Comments:</b>           | LOCATION UPDATING REQUEST message containing TMSI. |          |
| Field Name                 | Field Value                                        | Comments |
| lutype                     | LocUpType_02                                       |          |
| mi                         | MiTmsi_01                                          |          |
| <b>Detailed Comments:</b>  |                                                    |          |

| PDU Constraint Declaration |                                                 |          |
|----------------------------|-------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUpdtReq_05                                   |          |
| <b>PDU Type:</b>           | LUP_RQ_PDU                                      |          |
| <b>Derivation Path:</b>    | LocUpdtReq_01.                                  |          |
| <b>Comments:</b>           | to match any LOCATION UPDATING REQUEST message. |          |
| Field Name                 | Field Value                                     | Comments |
| lutype                     | ?                                               |          |
| <b>Detailed Comments:</b>  |                                                 |          |

| PDU Constraint Declaration |                                                    |          |
|----------------------------|----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUpdtReq_06                                      |          |
| <b>PDU Type:</b>           | LUP_RQ_PDU                                         |          |
| <b>Derivation Path:</b>    | LocUpdtReq_01.                                     |          |
| <b>Comments:</b>           | LOCATION UPDATING REQUEST message containing IMSI. |          |
| Field Name                 | Field Value                                        | Comments |
| lutype                     | LocUpType_02                                       |          |
| mi                         | MiImSI_01                                          |          |
| <b>Detailed Comments:</b>  |                                                    |          |

| PDU Constraint Declaration |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUpdtReq_30(par:MI; lac:OCTETSTRING; cksn: BITSTRING)                         |          |
| <b>PDU Type:</b>           | LUP_RQ_PDU                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                 |          |
| <b>Comments:</b>           | A LOCATION UPDATING REQUEST message containing location updating type = normal. |          |
| Field Name                 | Field Value                                                                     | Comments |
| ski                        | '0000'B                                                                         |          |
| mmpd                       | '0101'B                                                                         |          |
| mt                         | '0?001000'B                                                                     |          |
| cphksn                     | CphKeySN_07(cksn)                                                               |          |
| lutype                     | LocUpType_02                                                                    |          |
| lai                        | LocAreald_30(lac)                                                               |          |
| msclm                      | TSPX_ClassMark1                                                                 |          |
| mi                         | par                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| PDU Constraint Declaration |                                                                                                                        |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUpdtReq_31(par:MI; lac:OCTETSTRING; cksn: BITSTRING)                                                                |          |
| <b>PDU Type:</b>           | LUP_RQ_PDU                                                                                                             |          |
| <b>Derivation Path:</b>    | LocUpdtReq_30.                                                                                                         |          |
| <b>Comments:</b>           | A LOCATION UPDATING REQUEST message containing location updating type = normal.<br>The location area belongs C_PLMN_2! |          |
| Field Name                 | Field Value                                                                                                            | Comments |
| cphksn                     | CphKeySN_07(cksn)                                                                                                      |          |
| lutype                     | LocUpType_01                                                                                                           |          |
| lai                        | LocAreald_31(lac)                                                                                                      |          |
| mi                         | par                                                                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                                                        |          |

| PDU Constraint Declaration |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUpdtReq_32(par:MI;lac:OCTETSTRING; cksn: BITSTRING)                         |          |
| <b>PDU Type:</b>           | LUP_RQ_PDU                                                                     |          |
| <b>Derivation Path:</b>    | LocUpdtReq_30.                                                                 |          |
| <b>Comments:</b>           | A LOCATION UPDATING REQUEST message containing periodic location updating type |          |
| Field Name                 | Field Value                                                                    | Comments |
| cphksn                     | CphKeySN_07(cksn)                                                              |          |
| lutype                     | LocUpType_03                                                                   |          |
| lai                        | LocAreald_30(lac)                                                              |          |
| mi                         | par                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| PDU Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUpdtReq_33(par:MI; lac:OCTETSTRING; cksn: BITSTRING)                   |          |
| <b>PDU Type:</b>           | LUP_RQ_PDU                                                                |          |
| <b>Derivation Path:</b>    | LocUpdtReq_30.                                                            |          |
| <b>Comments:</b>           | A LOCATION UPDATING REQUEST message containing any location updating type |          |
| Field Name                 | Field Value                                                               | Comments |
| cphksn                     | CphKeySN_07(cksn)                                                         |          |
| lutype                     | ?                                                                         |          |
| lai                        | LocAreald_30(lac)                                                         |          |
| mi                         | par                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| PDU Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUpdtReq_34(par:MI; lac:OCTETSTRING; cksn: BITSTRING)                   |          |
| <b>PDU Type:</b>           | LUP_RQ_PDU                                                                |          |
| <b>Derivation Path:</b>    | LocUpdtReq_30.                                                            |          |
| <b>Comments:</b>           | A LOCATION UPDATING REQUEST message containing any location updating type |          |
| Field Name                 | Field Value                                                               | Comments |
| cphksn                     | CphKeySN_07(cksn)                                                         |          |
| lutype                     | LocUpType_01                                                              |          |
| lai                        | LocAreald_30(lac)                                                         |          |
| mi                         | par                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| PDU Constraint Declaration |                                                                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUpdtReq_35                                                                                                                   |          |
| <b>PDU Type:</b>           | LUP_RQ_PDU                                                                                                                      |          |
| <b>Derivation Path:</b>    | LocUpdtReq_01.                                                                                                                  |          |
| <b>Comments:</b>           | A LOCATION UPDATING REQUEST message containing any location updating type.<br>Check of LAI, CKSN, MSCLM and MI is not required. |          |
| Field Name                 | Field Value                                                                                                                     | Comments |
| lutype                     | LocUpType_05                                                                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                                                                 |          |

| PDU Constraint Declaration |                                     |          |
|----------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>    | LocUpdtRej_01(par:REJCAU)           |          |
| <b>PDU Type:</b>           | LUP_REJ_PDU                         |          |
| <b>Derivation Path:</b>    |                                     |          |
| <b>Comments:</b>           | A LOCATION UPDATING REJECT message. |          |
| Field Name                 | Field Value                         | Comments |
| ski                        | '0000'B                             |          |
| mmpd                       | '0101'B                             |          |
| mt                         | '00000100'B                         |          |
| rejcau                     | par                                 |          |
| <b>Detailed Comments:</b>  |                                     |          |

| PDU Constraint Declaration |                                                                                                      |          |
|----------------------------|------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MMstatus_01                                                                                          |          |
| <b>PDU Type:</b>           | MMST_PDU                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                      |          |
| <b>Comments:</b>           | A MM STATUS message containing reject cause value #97-- message type non-existent or not implemented |          |
| Field Name                 | Field Value                                                                                          | Comments |
| ski                        | '0000'B                                                                                              |          |
| mmpd                       | '0101'B                                                                                              |          |
| mt                         | '0?110001'B                                                                                          |          |
| rejcau                     | '61'O                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                      |          |

| PDU Constraint Declaration |                                                   |          |
|----------------------------|---------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MMstatus_02                                       |          |
| <b>PDU Type:</b>           | MMST_PDU                                          |          |
| <b>Derivation Path:</b>    | MMstatus_01.                                      |          |
| <b>Comments:</b>           | cause value = #96-- invalid mandatory information |          |
| Field Name                 | Field Value                                       | Comments |
| rejcau                     | '60'O                                             |          |
| <b>Detailed Comments:</b>  |                                                   |          |

| PDU Constraint Declaration |                                                                          |          |
|----------------------------|--------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MMstatus_03                                                              |          |
| <b>PDU Type:</b>           | MMST_PDU                                                                 |          |
| <b>Derivation Path:</b>    | MMstatus_01.                                                             |          |
| <b>Comments:</b>           | cause value = #98 -- message type not compatible with the protocol state |          |
| Field Name                 | Field Value                                                              | Comments |
| rejcau                     | '62'O                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                          |          |



| PDU Constraint Declaration |                               |          |
|----------------------------|-------------------------------|----------|
| <b>Constraint Name:</b>    | ModifyComp_02(Ti:Ti; bc:BCAP) |          |
| <b>PDU Type:</b>           | MODIFY_COM_PDU                |          |
| <b>Derivation Path:</b>    |                               |          |
| <b>Comments:</b>           | n -> ms                       |          |
| Field Name                 | Field Value                   | Comments |
| ti                         | Ti                            |          |
| ccpd                       | '0011'B                       |          |
| mt                         | '00011111'B                   |          |
| bcap                       | bc                            |          |
| llcmp                      | OMIT                          |          |
| hlcmp                      | OMIT                          |          |
| rbsd                       | ?                             |          |
| <b>Detailed Comments:</b>  |                               |          |

| PDU Constraint Declaration |                               |          |
|----------------------------|-------------------------------|----------|
| <b>Constraint Name:</b>    | ModifyComp_03(Ti:Ti; bc:BCAP) |          |
| <b>PDU Type:</b>           | MODIFY_COM_PDU                |          |
| <b>Derivation Path:</b>    |                               |          |
| <b>Comments:</b>           | n -> ms                       |          |
| Field Name                 | Field Value                   | Comments |
| ti                         | Ti                            |          |
| ccpd                       | '0011'B                       |          |
| mt                         | '00011111'B                   |          |
| bcap                       | bc                            |          |
| llcmp                      | OMIT                          |          |
| hlcmp                      | OMIT                          |          |
| rbsd                       | OMIT                          |          |
| <b>Detailed Comments:</b>  |                               |          |

| PDU Constraint Declaration |                              |          |
|----------------------------|------------------------------|----------|
| <b>Constraint Name:</b>    | ModifyInd_01(Ti:Ti; bc:BCAP) |          |
| <b>PDU Type:</b>           | MODIFY_PDU                   |          |
| <b>Derivation Path:</b>    |                              |          |
| <b>Comments:</b>           |                              |          |
| Field Name                 | Field Value                  | Comments |
| ti                         | Ti                           |          |
| ccpd                       | '0011'B                      |          |
| mt                         | '0?010111'B                  |          |
| bcap                       | bc                           |          |
| llcmp                      | *                            |          |
| hlcmp                      | *                            |          |
| rbsd                       | *                            |          |
| <b>Detailed Comments:</b>  |                              |          |

| PDU Constraint Declaration |                     |          |
|----------------------------|---------------------|----------|
| <b>Constraint Name:</b>    | ModifyReq_01(Ti:TI) |          |
| <b>PDU Type:</b>           | MODIFY_PDU          |          |
| <b>Derivation Path:</b>    |                     |          |
| <b>Comments:</b>           |                     |          |
| Field Name                 | Field Value         | Comments |
| ti                         | Ti                  |          |
| ccpd                       | '0011'B             |          |
| mt                         | '00010111'B         |          |
| bcap                       | TSPX_BC2            |          |
| llcmp                      | OMIT                |          |
| hlcmp                      | OMIT                |          |
| rscsd                      | OMIT                |          |
| <b>Detailed Comments:</b>  |                     |          |

| PDU Constraint Declaration |                             |          |
|----------------------------|-----------------------------|----------|
| <b>Constraint Name:</b>    | ModifyRj_01(Ti:TI; bc:BCAP) |          |
| <b>PDU Type:</b>           | MODIFY_REJ_PDU              |          |
| <b>Derivation Path:</b>    |                             |          |
| <b>Comments:</b>           |                             |          |
| Field Name                 | Field Value                 | Comments |
| ti                         | Ti                          |          |
| ccpd                       | '0011'B                     |          |
| mt                         | '0?010011'B                 |          |
| bcap                       | bc                          |          |
| cau                        | ?                           |          |
| llcmp                      | *                           |          |
| hlcmp                      | *                           |          |
| <b>Detailed Comments:</b>  |                             |          |

| PDU Constraint Declaration |                                                   |          |
|----------------------------|---------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ModifyRjRq_01(Ti:TI; bc:BCAP)                     |          |
| <b>PDU Type:</b>           | MODIFY_REJ_PDU                                    |          |
| <b>Derivation Path:</b>    |                                                   |          |
| <b>Comments:</b>           | cause = bearer capability not presently available |          |
| Field Name                 | Field Value                                       | Comments |
| ti                         | Ti                                                |          |
| ccpd                       | '0011'B                                           |          |
| mt                         | '00010011'B                                       |          |
| bcap                       | bc                                                |          |
| cau                        | Cause_16                                          |          |
| llcmp                      | OMIT                                              |          |
| hlcmp                      | OMIT                                              |          |
| <b>Detailed Comments:</b>  |                                                   |          |

| PDU Constraint Declaration |                                                  |          |
|----------------------------|--------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrReport_01                                     |          |
| <b>PDU Type:</b>           | MSR_RPT_PDU                                      |          |
| <b>Derivation Path:</b>    |                                                  |          |
| <b>Comments:</b>           | A measurement report without measurement results |          |
| Field Name                 | Field Value                                      | Comments |
| ski                        | '0000'B                                          |          |
| rrpd                       | '0110'B                                          |          |
| mt                         | '00010101'B                                      |          |
| msrr                       | MsrResult_01                                     |          |
| <b>Detailed Comments:</b>  |                                                  |          |

| PDU Constraint Declaration |                                                      |          |
|----------------------------|------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrReport_02                                         |          |
| <b>PDU Type:</b>           | MSR_RPT_PDU                                          |          |
| <b>Derivation Path:</b>    |                                                      |          |
| <b>Comments:</b>           | A measurement report match any received MSR_RPT_PDU. |          |
| Field Name                 | Field Value                                          | Comments |
| ski                        | '0000'B                                              |          |
| rrpd                       | '0110'B                                              |          |
| mt                         | '00010101'B                                          |          |
| msrr                       | MsrResult_02                                         |          |
| <b>Detailed Comments:</b>  |                                                      |          |

| PDU Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrReport_03                                                      |          |
| <b>PDU Type:</b>           | MSR_RPT_PDU                                                       |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | A measurement report containing results for 6 strongest carriers. |          |
| Field Name                 | Field Value                                                       | Comments |
| ski                        | '0000'B                                                           |          |
| rrpd                       | '0110'B                                                           |          |
| mt                         | '00010101'B                                                       |          |
| msrr                       | MsrResult_03                                                      |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| PDU Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrReport_03e(par_measres: MSRR)                                  |          |
| <b>PDU Type:</b>           | MSR_RPT_PDU                                                       |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | A measurement report containing results for 6 strongest carriers. |          |
| Field Name                 | Field Value                                                       | Comments |
| ski                        | '0000'B                                                           |          |
| rrpd                       | '0110'B                                                           |          |
| mt                         | '00010101'B                                                       |          |
| msrr                       | par_measres                                                       |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| PDU Constraint Declaration |                                                       |          |
|----------------------------|-------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrReport_04                                          |          |
| <b>PDU Type:</b>           | MSR_RPT_PDU                                           |          |
| <b>Derivation Path:</b>    |                                                       |          |
| <b>Comments:</b>           | A measurement report containing 4 strongest carriers. |          |
| Field Name                 | Field Value                                           | Comments |
| ski                        | '0000'B                                               |          |
| rrpd                       | '0110'B                                               |          |
| mt                         | '00010101'B                                           |          |
| msrr                       | MsrResult_04                                          |          |
| <b>Detailed Comments:</b>  |                                                       |          |

| PDU Constraint Declaration |                                                       |          |
|----------------------------|-------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrReport_04e                                         |          |
| <b>PDU Type:</b>           | MSR_RPT_PDU                                           |          |
| <b>Derivation Path:</b>    |                                                       |          |
| <b>Comments:</b>           | A measurement report containing 4 strongest carriers. |          |
| Field Name                 | Field Value                                           | Comments |
| ski                        | '0000'B                                               |          |
| rrpd                       | '0110'B                                               |          |
| mt                         | '00010101'B                                           |          |
| msrr                       | MsrResult_04e                                         |          |
| <b>Detailed Comments:</b>  |                                                       |          |

| PDU Constraint Declaration |                                                                        |          |
|----------------------------|------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrReport_05                                                           |          |
| <b>PDU Type:</b>           | MSR_RPT_PDU                                                            |          |
| <b>Derivation Path:</b>    |                                                                        |          |
| <b>Comments:</b>           | A measurement report containing 6 strongest carriers and DTX was used. |          |
| Field Name                 | Field Value                                                            | Comments |
| ski                        | '0000'B                                                                |          |
| rrpd                       | '0110'B                                                                |          |
| mt                         | '00010101'B                                                            |          |
| msrr                       | MsrResult_05                                                           |          |
| <b>Detailed Comments:</b>  |                                                                        |          |

| PDU Constraint Declaration |                                                                              |          |
|----------------------------|------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrReport_06                                                                 |          |
| <b>PDU Type:</b>           | MSR_RPT_PDU                                                                  |          |
| <b>Derivation Path:</b>    |                                                                              |          |
| <b>Comments:</b>           | A measurement report containing 6 strongest carriers and DTX is not checked. |          |
| Field Name                 | Field Value                                                                  | Comments |
| ski                        | '0000'B                                                                      |          |
| rrpd                       | '0110'B                                                                      |          |
| mt                         | '00010101'B                                                                  |          |
| msrr                       | MsrResult_06                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                              |          |

| PDU Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | MsrReport_07                                                              |          |
| <b>PDU Type:</b>           | MSR_RPT_PDU                                                               |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | A measurement report containing 2 strongest carriers and DTX is not used. |          |
| Field Name                 | Field Value                                                               | Comments |
| ski                        | '0000'B                                                                   |          |
| rrpd                       | '0110'B                                                                   |          |
| mt                         | '00010101'B                                                               |          |
| msrr                       | MsrResult_07                                                              |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| PDU Constraint Declaration |                                                       |          |
|----------------------------|-------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | NotifiReq_01(Ti:Ti)                                   |          |
| <b>PDU Type:</b>           | NOTIFY_PDU                                            |          |
| <b>Derivation Path:</b>    |                                                       |          |
| <b>Comments:</b>           | Containing any valid notification indicator. n -> ms. |          |
| Field Name                 | Field Value                                           | Comments |
| ti                         | Ti                                                    |          |
| ccpd                       | '0011'B                                               |          |
| mt                         | '00111110'B                                           |          |
| nti                        | '10000000'B                                           |          |
| <b>Detailed Comments:</b>  |                                                       |          |

| PDU Constraint Declaration |                                                |          |
|----------------------------|------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PagingRes_01                                   |          |
| <b>PDU Type:</b>           | PG_RES_PDU                                     |          |
| <b>Derivation Path:</b>    |                                                |          |
| <b>Comments:</b>           | To match any received PAGING RESPONSE message. |          |
| Field Name                 | Field Value                                    | Comments |
| ski                        | '0000'B                                        |          |
| rrpd                       | '0110'B                                        |          |
| mt                         | '00100111'B                                    |          |
| shoct                      | '0000'B                                        |          |
| cphksn                     | ?                                              |          |
| msclm                      | ?                                              |          |
| mi                         | ?                                              |          |
| <b>Detailed Comments:</b>  |                                                |          |

| PDU Constraint Declaration |                                                                                     |          |
|----------------------------|-------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PagingRes_03                                                                        |          |
| <b>PDU Type:</b>           | PG_RES_PDU                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                     |          |
| <b>Comments:</b>           | To match a received PAGING RESPONSE message with default TMSI, CKSN and classmark2. |          |
| Field Name                 | Field Value                                                                         | Comments |
| ski                        | '0000'B                                                                             |          |
| rrpd                       | '0110'B                                                                             |          |
| mt                         | '00100111'B                                                                         |          |
| shoct                      | '0000'B                                                                             |          |
| cphksn                     | CphKeySN_01                                                                         |          |
| msclm                      | TSPX_ClassMark2                                                                     |          |
| mi                         | MiTmsi_01                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                     |          |

| PDU Constraint Declaration |                                                          |          |
|----------------------------|----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PagingRes_r01                                            |          |
| <b>PDU Type:</b>           | PG_RES_PDU                                               |          |
| <b>Derivation Path:</b>    | PagingRes_01.                                            |          |
| <b>Comments:</b>           | To match any received PAGING RESPONSE message, RR tests. |          |
| Field Name                 | Field Value                                              | Comments |
| mi                         | MiTmsi_01                                                |          |
| <b>Detailed Comments:</b>  |                                                          |          |

| PDU Constraint Declaration |                                                                                        |          |
|----------------------------|----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PagingRes_r02                                                                          |          |
| <b>PDU Type:</b>           | PG_RES_PDU                                                                             |          |
| <b>Derivation Path:</b>    | PagingRes_01.                                                                          |          |
| <b>Comments:</b>           | To match the received PAGING RESPONSE message containing IMSI of the IUT for RR tests. |          |
| Field Name                 | Field Value                                                                            | Comments |
| mi                         | Milmsi_01                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                        |          |

| PDU Constraint Declaration |                                                                       |          |
|----------------------------|-----------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PagingRes_30(par:MI; cksn: BITSTRING)                                 |          |
| <b>PDU Type:</b>           | PG_RES_PDU                                                            |          |
| <b>Derivation Path:</b>    |                                                                       |          |
| <b>Comments:</b>           | To match any received PAGING RESPONSE message. Used in MM test cases. |          |
| Field Name                 | Field Value                                                           | Comments |
| ski                        | '0000'B                                                               |          |
| rrpd                       | '0110'B                                                               |          |
| mt                         | '00100111'B                                                           |          |
| shoct                      | '0000'B                                                               |          |
| cphksn                     | CphKeySN_07(cksn)                                                     |          |
| msclm                      | ?                                                                     |          |
| mi                         | par                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                       |          |

| PDU Constraint Declaration |                                                                                                              |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgReqTp1_01                                                                                                  |          |
| <b>PDU Type:</b>           | PG1_RQ_PDU                                                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                                              |          |
| <b>Comments:</b>           | An PAGING REQUEST TYPE1 message requesting any channel with normal paging mode, the mobile identity is TMSI. |          |
| Field Name                 | Field Value                                                                                                  | Comments |
| l2_pl                      | '25'O                                                                                                        |          |
| ski                        | '0000'B                                                                                                      |          |
| rrpd                       | '0110'B                                                                                                      |          |
| mt                         | '00100001'B                                                                                                  |          |
| chn_m1_2                   | Chneed_01                                                                                                    |          |
| pm                         | Pm_01                                                                                                        |          |
| mi1                        | MiTmsi_01                                                                                                    |          |
| mi2                        | OMIT                                                                                                         |          |
| p1roct                     | '2B2B2B2B2B2B2B2B2B2B2B2B2B2B'O                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                                              |          |

| PDU Constraint Declaration |                                                                                                                |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgReqTp1_02                                                                                                    |          |
| <b>PDU Type:</b>           | PG1_RQ_PDU                                                                                                     |          |
| <b>Derivation Path:</b>    | PgReqTp1_01.                                                                                                   |          |
| <b>Comments:</b>           | A PAGING REQUEST TYPE1 message to request SDCCH channel with normal paging mode for mobile identity MiTmsi_01. |          |
| Field Name                 | Field Value                                                                                                    | Comments |
| chn_m1_2                   | Chneed_02                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                                |          |

| <b>PDU Constraint Declaration</b> |                                                                                                                |                 |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------|
| <b>Constraint Name:</b>           | PgReqTp1_03                                                                                                    |                 |
| <b>PDU Type:</b>                  | PG1_RQ_PDU                                                                                                     |                 |
| <b>Derivation Path:</b>           | PgReqTp1_01.                                                                                                   |                 |
| <b>Comments:</b>                  | A PAGING REQUEST TYPE1 message to request TCH/F channel with normal paging mode for mobile identity MiTmsi_01. |                 |
| <b>Field Name</b>                 | <b>Field Value</b>                                                                                             | <b>Comments</b> |
| chn_m1_2                          | Chneed_03                                                                                                      |                 |
| <b>Detailed Comments:</b>         |                                                                                                                |                 |

| <b>PDU Constraint Declaration</b> |                                                                                                                         |                 |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------|
| <b>Constraint Name:</b>           | PgReqTp1_04                                                                                                             |                 |
| <b>PDU Type:</b>                  | PG1_RQ_PDU                                                                                                              |                 |
| <b>Derivation Path:</b>           | PgReqTp1_01.                                                                                                            |                 |
| <b>Comments:</b>                  | A PAGING REQUEST TYPE1 message to request TCH/H or TCH/F channel with normal paging mode for mobile identity MiTmsi_01. |                 |
| <b>Field Name</b>                 | <b>Field Value</b>                                                                                                      | <b>Comments</b> |
| chn_m1_2                          | Chneed_04                                                                                                               |                 |
| <b>Detailed Comments:</b>         |                                                                                                                         |                 |

| <b>PDU Constraint Declaration</b> |                                                                               |                 |
|-----------------------------------|-------------------------------------------------------------------------------|-----------------|
| <b>Constraint Name:</b>           | PgReqTp1_05                                                                   |                 |
| <b>PDU Type:</b>                  | PG1_RQ_PDU                                                                    |                 |
| <b>Derivation Path:</b>           | PgReqTp1_01.                                                                  |                 |
| <b>Comments:</b>                  | PAGING REQUEST TYPE1 message with mobile identity 1 being IMSI of the MS.     |                 |
| <b>Field Name</b>                 | <b>Field Value</b>                                                            | <b>Comments</b> |
| i2_pl                             | OC_IntToOct(((3 + OC_LengthOf(Milmsi_01)) * 4) + 1, 1)                        |                 |
| mi1                               | Milmsi_01                                                                     |                 |
| p1roct                            | OC_SubOctet("2B2B2B2B2B2B2B2B2B2B2B2B2B2B2B2B'O, 19 - OC_LengthOf(Milmsi_01)) |                 |
| <b>Detailed Comments:</b>         |                                                                               |                 |

| <b>PDU Constraint Declaration</b> |                                                                                |                 |
|-----------------------------------|--------------------------------------------------------------------------------|-----------------|
| <b>Constraint Name:</b>           | PgReqTp1_06                                                                    |                 |
| <b>PDU Type:</b>                  | PG1_RQ_PDU                                                                     |                 |
| <b>Derivation Path:</b>           | PgReqTp1_01.                                                                   |                 |
| <b>Comments:</b>                  | PAGING REQUEST TYPE1 message with mobile identity 1 being IMSI of the MS.      |                 |
| <b>Field Name</b>                 | <b>Field Value</b>                                                             | <b>Comments</b> |
| i2_pl                             | OC_IntToOct(((3 + OC_LengthOf(Milmsi_r01)) * 4) + 1, 1)                        |                 |
| pm                                | Pm_03                                                                          |                 |
| mi1                               | Milmsi_r01                                                                     |                 |
| p1roct                            | OC_SubOctet("2B2B2B2B2B2B2B2B2B2B2B2B2B2B2B2B'O, 19 - OC_LengthOf(Milmsi_r01)) |                 |
| <b>Detailed Comments:</b>         |                                                                                |                 |







| PDU Constraint Declaration |                                                                                                                                                                 |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgReqTp1_r01                                                                                                                                                    |          |
| <b>PDU Type:</b>           | PG1_RQ_PDU                                                                                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                 |          |
| <b>Comments:</b>           | An PAGING REQUEST TYPE1 message requesting any channel with normal paging mode, the first mobile identity is TMSI, the second is IMSI different from TSPX_IMSI. |          |
| Field Name                 | Field Value                                                                                                                                                     | Comments |
| l2_pl                      | '49'O                                                                                                                                                           |          |
| ski                        | '0000'B                                                                                                                                                         |          |
| rrpd                       | '0110'B                                                                                                                                                         |          |
| mt                         | '00100001'B                                                                                                                                                     |          |
| chn_m1_2                   | Chneed_01                                                                                                                                                       |          |
| pm                         | Pm_01                                                                                                                                                           |          |
| mi1                        | MiTmsi_01                                                                                                                                                       |          |
| mi2                        | Milmsi_r01iei                                                                                                                                                   |          |
| p1roct                     | '2B2B2B2B'O                                                                                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                 |          |

| PDU Constraint Declaration |                                                                                                                                                                       |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgReqTp1_r02                                                                                                                                                          |          |
| <b>PDU Type:</b>           | PG1_RQ_PDU                                                                                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                       |          |
| <b>Comments:</b>           | An PAGING REQUEST TYPE1 message requesting any channel with normal paging mode, the first mobile identity is another TMSI, the second is IMSI of the IUT (TSPX_IMSI). |          |
| Field Name                 | Field Value                                                                                                                                                           | Comments |
| l2_pl                      | OC_IntToOct(((9 + OC_LengthOf(Milmsi_01iei)) * 4) + 1, 1)                                                                                                             |          |
| ski                        | '0000'B                                                                                                                                                               |          |
| rrpd                       | '0110'B                                                                                                                                                               |          |
| mt                         | '00100001'B                                                                                                                                                           |          |
| chn_m1_2                   | Chneed_01                                                                                                                                                             |          |
| pm                         | Pm_01                                                                                                                                                                 |          |
| mi1                        | MiTmsi_r01                                                                                                                                                            |          |
| mi2                        | Milmsi_01iei                                                                                                                                                          |          |
| p1roct                     | OC_SubOctet('2B2B2B2B2B2B2B2B2B2B2B'O, 13 - OC_LengthOf(Milmsi_01iei))                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                       |          |

| PDU Constraint Declaration |                                                                                                                                                                                                                             |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgReqTp1_r03                                                                                                                                                                                                                |          |
| <b>PDU Type:</b>           | PG1_RQ_PDU                                                                                                                                                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                             |          |
| <b>Comments:</b>           | An PAGING REQUEST TYPE1 message requesting any channel with normal paging mode, the first mobile identity is an another TMSI differing from different from MiTmsi_01 and _02, the second one is TMSI of the IUT, MiTmsi_01. |          |
| Field Name                 | Field Value                                                                                                                                                                                                                 | Comments |
| l2_pl                      | '41'O                                                                                                                                                                                                                       |          |
| ski                        | '0000'B                                                                                                                                                                                                                     |          |
| rrpd                       | '0110'B                                                                                                                                                                                                                     |          |
| mt                         | '00100001'B                                                                                                                                                                                                                 |          |
| chn_m1_2                   | Chneed_01                                                                                                                                                                                                                   |          |
| pm                         | Pm_01                                                                                                                                                                                                                       |          |
| mi1                        | MiTmsi_r01                                                                                                                                                                                                                  |          |
| mi2                        | MiTmsi_01iei                                                                                                                                                                                                                |          |
| p1roct                     | '2B2B2B2B2B2B'O                                                                                                                                                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                             |          |

| PDU Constraint Declaration |                                                                                                                                                             |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgReqTp1_r04                                                                                                                                                |          |
| <b>PDU Type:</b>           | PG1_RQ_PDU                                                                                                                                                  |          |
| <b>Derivation Path:</b>    | PgReqTp1_01.                                                                                                                                                |          |
| <b>Comments:</b>           | An PAGING REQUEST TYPE1 message requesting any channel with normal paging mode, the mobile identity is TMSI, but the identity type is set to 'no identity'. |          |
| Field Name                 | Field Value                                                                                                                                                 | Comments |
| mi1                        | MiTmsi_r02                                                                                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                             |          |

| PDU Constraint Declaration |                                                                                                                         |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgReqTp2_01                                                                                                             |          |
| <b>PDU Type:</b>           | PG2_RQ_PDU                                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                                         |          |
| <b>Comments:</b>           | An PAGING REQUEST TYPE2 message requesting any channel with normal paging mode, the mobile identity is TMSI of the IUT. |          |
| Field Name                 | Field Value                                                                                                             | Comments |
| l2_pl                      | '2D'O                                                                                                                   |          |
| ski                        | '0000'B                                                                                                                 |          |
| rrpd                       | '0110'B                                                                                                                 |          |
| mt                         | '00100010'B                                                                                                             |          |
| chn_m1_2                   | Chneed_01                                                                                                               |          |
| pm                         | Pm_01                                                                                                                   |          |
| mi1                        | Tmsi_01                                                                                                                 |          |
| mi2                        | Tmsi_r01                                                                                                                |          |
| mi3                        | OMIT                                                                                                                    |          |
| p2roct                     | '2B2B2B2B2B2B2B2B2B2B'O                                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                                         |          |

| PDU Constraint Declaration |                                                                                                                        |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgReqTp2_02                                                                                                            |          |
| <b>PDU Type:</b>           | PG2_RQ_PDU                                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                                        |          |
| <b>Comments:</b>           | An PAGING REQUEST TYPE2 message requesting any channel with extended paging mode and not addressing the MS under test. |          |
| Field Name                 | Field Value                                                                                                            | Comments |
| l2_pl                      | '2D'O                                                                                                                  |          |
| ski                        | '0000'B                                                                                                                |          |
| rrpd                       | '0110'B                                                                                                                |          |
| mt                         | '00100010'B                                                                                                            |          |
| chn_m1_2                   | Chneed_01                                                                                                              |          |
| pm                         | Pm_03                                                                                                                  |          |
| mi1                        | Tmsi_r01                                                                                                               |          |
| mi2                        | Tmsi_r03                                                                                                               |          |
| mi3                        | OMIT                                                                                                                   |          |
| p2roct                     | '2B2B2B2B2B2B2B2B2B2B'O                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                                        |          |

| PDU Constraint Declaration |                                                                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgReqTp2_03                                                                                                                     |          |
| <b>PDU Type:</b>           | PG2_RQ_PDU                                                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                                                                 |          |
| <b>Comments:</b>           | An PAGING REQUEST TYPE2 message requesting any channel with paging reorganisation mode, the mobile identity is TMSI of the IUT. |          |
| Field Name                 | Field Value                                                                                                                     | Comments |
| l2_pl                      | '2D'O                                                                                                                           |          |
| ski                        | '0000'B                                                                                                                         |          |
| rrpd                       | '0110'B                                                                                                                         |          |
| mt                         | '00100010'B                                                                                                                     |          |
| chn_m1_2                   | Chneed_01                                                                                                                       |          |
| pm                         | Pm_04                                                                                                                           |          |
| mi1                        | Tmsi_01                                                                                                                         |          |
| mi2                        | Tmsi_r01                                                                                                                        |          |
| mi3                        | OMIT                                                                                                                            |          |
| p2roct                     | '2B2B2B2B2B2B2B2B2B2B2B2B'O                                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                                                                 |          |

| PDU Constraint Declaration |                                                                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgReqTp2_04                                                                                                                     |          |
| <b>PDU Type:</b>           | PG2_RQ_PDU                                                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                                                                 |          |
| <b>Comments:</b>           | An PAGING REQUEST TYPE2 message requesting any channel with same as before paging mode, the mobile identity is TMSI of the IUT. |          |
| Field Name                 | Field Value                                                                                                                     | Comments |
| l2_pl                      | '2D'O                                                                                                                           |          |
| ski                        | '0000'B                                                                                                                         |          |
| rrpd                       | '0110'B                                                                                                                         |          |
| mt                         | '00100010'B                                                                                                                     |          |
| chn_m1_2                   | Chneed_01                                                                                                                       |          |
| pm                         | Pm_05                                                                                                                           |          |
| mi1                        | Tmsi_01                                                                                                                         |          |
| mi2                        | Tmsi_r01                                                                                                                        |          |
| mi3                        | OMIT                                                                                                                            |          |
| p2roct                     | '2B2B2B2B2B2B2B2B2B2B2B2B'O                                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                                                                 |          |

| PDU Constraint Declaration |                                                                                                                                                                  |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgReqTp2_r01                                                                                                                                                     |          |
| <b>PDU Type:</b>           | PG2_RQ_PDU                                                                                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                  |          |
| <b>Comments:</b>           | An PAGING REQUEST TYPE2 message requesting any channel with normal paging mode, the 1st mobile identity is TMSI of the IUT. The 2nd one addresses an another MS. |          |
| Field Name                 | Field Value                                                                                                                                                      | Comments |
| l2_pl                      | '2D'O                                                                                                                                                            |          |
| ski                        | '0000'B                                                                                                                                                          |          |
| rrpd                       | '0110'B                                                                                                                                                          |          |
| mt                         | '00100010'B                                                                                                                                                      |          |
| chn_m1_2                   | Chneed_01                                                                                                                                                        |          |
| pm                         | Pm_01                                                                                                                                                            |          |
| mi1                        | Tmsi_01                                                                                                                                                          |          |
| mi2                        | Tmsi_r01                                                                                                                                                         |          |
| mi3                        | OMIT                                                                                                                                                             |          |
| p2roct                     | '2B2B2B2B2B2B2B2B2B2B2B2B'O                                                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                  |          |

| PDU Constraint Declaration |                                                                                                                                                                  |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgReqTp2_r02                                                                                                                                                     |          |
| <b>PDU Type:</b>           | PG2_RQ_PDU                                                                                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                  |          |
| <b>Comments:</b>           | An PAGING REQUEST TYPE2 message requesting any channel with normal paging mode, the 2nd mobile identity is TMSI of the IUT. The 1st one addresses an another MS. |          |
| Field Name                 | Field Value                                                                                                                                                      | Comments |
| l2_pl                      | '2D'O                                                                                                                                                            |          |
| ski                        | '0000'B                                                                                                                                                          |          |
| rrpd                       | '0110'B                                                                                                                                                          |          |
| mt                         | '00100010'B                                                                                                                                                      |          |
| chn_m1_2                   | Chneed_01                                                                                                                                                        |          |
| pm                         | Pm_01                                                                                                                                                            |          |
| mi1                        | Tmsi_r01                                                                                                                                                         |          |
| mi2                        | Tmsi_01                                                                                                                                                          |          |
| mi3                        | OMIT                                                                                                                                                             |          |
| p2roct                     | '2B2B2B2B2B2B2B2B2B2B'O                                                                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                  |          |

| PDU Constraint Declaration |                                                                                                                                                                      |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgReqTp2_r03                                                                                                                                                         |          |
| <b>PDU Type:</b>           | PG2_RQ_PDU                                                                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                      |          |
| <b>Comments:</b>           | An PAGING REQUEST TYPE2 message requesting any channel with normal paging mode, the 3 mobile identity is TMSI of the IUT. The 1st and 2nd one address an another MS. |          |
| Field Name                 | Field Value                                                                                                                                                          | Comments |
| l2_pl                      | '49'O                                                                                                                                                                |          |
| ski                        | '0000'B                                                                                                                                                              |          |
| rrpd                       | '0110'B                                                                                                                                                              |          |
| mt                         | '00100010'B                                                                                                                                                          |          |
| chn_m1_2                   | Chneed_01                                                                                                                                                            |          |
| pm                         | Pm_01                                                                                                                                                                |          |
| mi1                        | Tmsi_r03                                                                                                                                                             |          |
| mi2                        | Tmsi_r01                                                                                                                                                             |          |
| mi3                        | MiTmsi_01iei                                                                                                                                                         |          |
| p2roct                     | '2B2B2B2B'O                                                                                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                      |          |

| PDU Constraint Declaration |                                                                                                                                                                            |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgReqTp2_r04                                                                                                                                                               |          |
| <b>PDU Type:</b>           | PG2_RQ_PDU                                                                                                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                            |          |
| <b>Comments:</b>           | An PAGING REQUEST TYPE2 message requesting any channel with normal paging mode, the 1st and 2nd mobile identity addresses an another MS. The 3rd one is IMSI of the IUT. . |          |
| Field Name                 | Field Value                                                                                                                                                                | Comments |
| l2_pl                      | OC_IntToOct(((11 + OC_LengthOf(Milmsi_01iei)) * 4) + 1, 1)                                                                                                                 |          |
| ski                        | '0000'B                                                                                                                                                                    |          |
| rrpd                       | '0110'B                                                                                                                                                                    |          |
| mt                         | '00100010'B                                                                                                                                                                |          |
| chn_m1_2                   | Chneed_01                                                                                                                                                                  |          |
| pm                         | Pm_01                                                                                                                                                                      |          |
| mi1                        | Tmsi_r03                                                                                                                                                                   |          |
| mi2                        | Tmsi_r01                                                                                                                                                                   |          |
| mi3                        | Milmsi_01iei                                                                                                                                                               |          |
| p2roct                     | OC_SubOctet('2B2B2B2B2B2B2B2B2B2B'O, 11 - OC_LengthOf(Milmsi_01iei))                                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgReqTp2_r05                                                                                                                                                                                |          |
| <b>PDU Type:</b>           | PG2_RQ_PDU                                                                                                                                                                                  |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                             |          |
| <b>Comments:</b>           | An PAGING REQUEST TYPE2 message requesting any channel with normal paging mode, the 3 mobile identity is TMSI of the IUT with the type of no id. The 1st and 2nd one address an another MS. |          |
| Field Name                 | Field Value                                                                                                                                                                                 | Comments |
| l2_pl                      | '49'O                                                                                                                                                                                       |          |
| ski                        | '0000'B                                                                                                                                                                                     |          |
| rrpd                       | '0110'B                                                                                                                                                                                     |          |
| mt                         | '00100010'B                                                                                                                                                                                 |          |
| chn_m1_2                   | Chneed_01                                                                                                                                                                                   |          |
| pm                         | Pm_01                                                                                                                                                                                       |          |
| mi1                        | Tmsi_r03                                                                                                                                                                                    |          |
| mi2                        | Tmsi_r01                                                                                                                                                                                    |          |
| mi3                        | MiTmsi_r02iei                                                                                                                                                                               |          |
| p2roct                     | '2B2B2B2B'O                                                                                                                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                             |          |

| PDU Constraint Declaration |                                                                                                                                                                            |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgReqTp2_r06                                                                                                                                                               |          |
| <b>PDU Type:</b>           | PG2_RQ_PDU                                                                                                                                                                 |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                            |          |
| <b>Comments:</b>           | An PAGING REQUEST TYPE2 message requesting any channel with normal paging mode, the 1st and 2nd mobile identity addresses an another MS. The 3rd one is IMSI of the IUT. . |          |
| Field Name                 | Field Value                                                                                                                                                                | Comments |
| l2_pl                      | OC_IntToOct(((11 + OC_LengthOf(Milmsi_01iei)) * 4) + 1, 1)                                                                                                                 |          |
| ski                        | '0000'B                                                                                                                                                                    |          |
| rrpd                       | '0110'B                                                                                                                                                                    |          |
| mt                         | '00100010'B                                                                                                                                                                |          |
| chn_m1_2                   | Chneed_01                                                                                                                                                                  |          |
| pm                         | Pm_03                                                                                                                                                                      |          |
| mi1                        | Tmsi_r03                                                                                                                                                                   |          |
| mi2                        | Tmsi_r01                                                                                                                                                                   |          |
| mi3                        | Milmsi_01iei                                                                                                                                                               |          |
| p2roct                     | OC_SubOctet('2B2B2B2B2B2B2B2B2B2B'O, 11 - OC_LengthOf(Milmsi_01iei))                                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                            |          |

| PDU Constraint Declaration                                         |                                                                                                                        |          |
|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>                                            | PgReqTp3_01                                                                                                            |          |
| <b>PDU Type:</b>                                                   | PG3_RQ_PDU                                                                                                             |          |
| <b>Derivation Path:</b>                                            |                                                                                                                        |          |
| <b>Comments:</b>                                                   | An PAGING REQUEST TYPE3 message requesting any channel with extended paging mode and not addressing the MS under test. |          |
| Field Name                                                         | Field Value                                                                                                            | Comments |
| l2_pl                                                              | '4D'O                                                                                                                  |          |
| ski                                                                | '0000'B                                                                                                                |          |
| rrpd                                                               | '0110'B                                                                                                                |          |
| mt                                                                 | '00100010'B                                                                                                            |          |
| chn_m1_2                                                           | Chneed_01                                                                                                              |          |
| pm                                                                 | Pm_03                                                                                                                  |          |
| mi1                                                                | Tmsi_r05                                                                                                               |          |
| mi2                                                                | Tmsi_r01                                                                                                               |          |
| mi3                                                                | Tmsi_r03                                                                                                               |          |
| mi4                                                                | Tmsi_r04                                                                                                               |          |
| p3roct                                                             | '2B2B2B'O                                                                                                              |          |
| <b>Detailed Comments:</b> Only used in 26_6_2_2 within Pg_Req3_01. |                                                                                                                        |          |

| PDU Constraint Declaration |                                                                            |          |
|----------------------------|----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgReqTp3_02                                                                |          |
| <b>PDU Type:</b>           | PG3_RQ_PDU                                                                 |          |
| <b>Derivation Path:</b>    |                                                                            |          |
| <b>Comments:</b>           | An PAGING REQUEST TYPE3 message containing paging mode = "same as before". |          |
| Field Name                 | Field Value                                                                | Comments |
| l2_pl                      | '4D'O                                                                      |          |
| ski                        | '0000'B                                                                    |          |
| rrpd                       | '0110'B                                                                    |          |
| mt                         | '00100010'B                                                                |          |
| chn_m1_2                   | Chneed_01                                                                  |          |
| pm                         | Pm_05                                                                      |          |
| mi1                        | Tmsi_r05                                                                   |          |
| mi2                        | Tmsi_r01                                                                   |          |
| mi3                        | Tmsi_r03                                                                   |          |
| mi4                        | Tmsi_r04                                                                   |          |
| p3roct                     | '2B2B2B'O                                                                  |          |
| <b>Detailed Comments:</b>  | Only used in TC_26_6_2_4 within Pg_Req3_02                                 |          |

| PDU Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgReqTp3_03                                                               |          |
| <b>PDU Type:</b>           | PG3_RQ_PDU                                                                |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | An PAGING REQUEST TYPE3 message containing paging mode = "normal paging". |          |
| Field Name                 | Field Value                                                               | Comments |
| l2_pl                      | '4D'O                                                                     |          |
| ski                        | '0000'B                                                                   |          |
| rrpd                       | '0110'B                                                                   |          |
| mt                         | '00100010'B                                                               |          |
| chn_m1_2                   | Chneed_01                                                                 |          |
| pm                         | Pm_01                                                                     |          |
| mi1                        | Tmsi_r05                                                                  |          |
| mi2                        | Tmsi_r01                                                                  |          |
| mi3                        | Tmsi_r03                                                                  |          |
| mi4                        | Tmsi_r04                                                                  |          |
| p3roct                     | '2B2B2B'O                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| PDU Constraint Declaration |                                                                                                                                                                           |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgReqTp3_r01                                                                                                                                                              |          |
| <b>PDU Type:</b>           | PG3_RQ_PDU                                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                           |          |
| <b>Comments:</b>           | An PAGING REQUEST TYPE3 message requesting any channel with normal paging mode, the 1st mobile identity is TMSI of the IUT. The 2nd, 3rd and 4th one address another MSs. |          |
| Field Name                 | Field Value                                                                                                                                                               | Comments |
| l2_pl                      | '4D'O                                                                                                                                                                     |          |
| ski                        | '0000'B                                                                                                                                                                   |          |
| rrpd                       | '0110'B                                                                                                                                                                   |          |
| mt                         | '00100010'B                                                                                                                                                               |          |
| chn_m1_2                   | Chneed_01                                                                                                                                                                 |          |
| pm                         | Pm_01                                                                                                                                                                     |          |
| mi1                        | Tmsi_01                                                                                                                                                                   |          |
| mi2                        | Tmsi_r01                                                                                                                                                                  |          |
| mi3                        | Tmsi_r03                                                                                                                                                                  |          |
| mi4                        | Tmsi_r04                                                                                                                                                                  |          |
| p3roct                     | '2B2B2B'O                                                                                                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                           |          |

| PDU Constraint Declaration |                                                                                                                                                                           |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgReqTp3_r02                                                                                                                                                              |          |
| <b>PDU Type:</b>           | PG3_RQ_PDU                                                                                                                                                                |          |
| <b>Derivation Path:</b>    | PgReqTp3_r01.                                                                                                                                                             |          |
| <b>Comments:</b>           | An PAGING REQUEST TYPE3 message requesting any channel with normal paging mode, the 2nd mobile identity is TMSI of the IUT. The 1st, 3rd and 4th one address another MSs. |          |
| Field Name                 | Field Value                                                                                                                                                               | Comments |
| mi1                        | Tmsi_r01                                                                                                                                                                  |          |
| mi2                        | Tmsi_01                                                                                                                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                           |          |

| PDU Constraint Declaration |                                                                                                                                                                           |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgReqTp3_r03                                                                                                                                                              |          |
| <b>PDU Type:</b>           | PG3_RQ_PDU                                                                                                                                                                |          |
| <b>Derivation Path:</b>    | PgReqTp3_r01.                                                                                                                                                             |          |
| <b>Comments:</b>           | An PAGING REQUEST TYPE3 message requesting any channel with normal paging mode, the 3rd mobile identity is TMSI of the IUT. The 1st, 2nd and 4th one address another MSs. |          |
| Field Name                 | Field Value                                                                                                                                                               | Comments |
| mi1                        | Tmsi_r03                                                                                                                                                                  |          |
| mi3                        | Tmsi_01                                                                                                                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                           |          |

| PDU Constraint Declaration |                                                                                                                                                                           |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgReqTp3_r04                                                                                                                                                              |          |
| <b>PDU Type:</b>           | PG3_RQ_PDU                                                                                                                                                                |          |
| <b>Derivation Path:</b>    | PgReqTp3_r01.                                                                                                                                                             |          |
| <b>Comments:</b>           | An PAGING REQUEST TYPE3 message requesting any channel with normal paging mode, the 4th mobile identity is TMSI of the IUT. The 1st, 2nd and 3rd one address another MSs. |          |
| Field Name                 | Field Value                                                                                                                                                               | Comments |
| mi1                        | Tmsi_r04                                                                                                                                                                  |          |
| mi4                        | Tmsi_01                                                                                                                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                           |          |

| PDU Constraint Declaration |                                                                                                                                                                           |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | PgReqTp3_r05                                                                                                                                                              |          |
| <b>PDU Type:</b>           | PG3_RQ_PDU                                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                           |          |
| <b>Comments:</b>           | An PAGING REQUEST TYPE3 message requesting any channel with normal paging mode, the 1st mobile identity is TMSI of the IUT. The 2nd, 3rd and 4th one address another MSs. |          |
| Field Name                 | Field Value                                                                                                                                                               | Comments |
| l2_pl                      | '4D'O                                                                                                                                                                     |          |
| ski                        | '0000'B                                                                                                                                                                   |          |
| rrpd                       | '0110'B                                                                                                                                                                   |          |
| mt                         | '00100010'B                                                                                                                                                               |          |
| chn_m1_2                   | Chneed_01                                                                                                                                                                 |          |
| pm                         | Pm_03                                                                                                                                                                     |          |
| mi1                        | Tmsi_01                                                                                                                                                                   |          |
| mi2                        | Tmsi_r01                                                                                                                                                                  |          |
| mi3                        | Tmsi_r03                                                                                                                                                                  |          |
| mi4                        | Tmsi_r04                                                                                                                                                                  |          |
| p3roct                     | '2B2B2B'O                                                                                                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                           |          |



| PDU Constraint Declaration |                     |          |
|----------------------------|---------------------|----------|
| <b>Constraint Name:</b>    | Phyinform_01(ta:TA) |          |
| <b>PDU Type:</b>           | PHYINFO_PDU         |          |
| <b>Derivation Path:</b>    |                     |          |
| <b>Comments:</b>           |                     |          |
| Field Name                 | Field Value         | Comments |
| ski                        | '0000'B             |          |
| rrpd                       | '0110'B             |          |
| mt                         | '00101101'B         |          |
| ta                         | ta                  |          |
| <b>Detailed Comments:</b>  |                     |          |

| PDU Constraint Declaration |                     |          |
|----------------------------|---------------------|----------|
| <b>Constraint Name:</b>    | Phyinform_02(ta:TA) |          |
| <b>PDU Type:</b>           | PHYINFO_PDU         |          |
| <b>Derivation Path:</b>    |                     |          |
| <b>Comments:</b>           |                     |          |
| Field Name                 | Field Value         | Comments |
| ski                        | '0000'B             |          |
| rrpd                       | '0110'B             |          |
| mt                         | '00101101'B         |          |
| ta                         | ta                  |          |
| <b>Detailed Comments:</b>  |                     |          |

| PDU Constraint Declaration |                     |          |
|----------------------------|---------------------|----------|
| <b>Constraint Name:</b>    | Phyinform_04(ta:TA) |          |
| <b>PDU Type:</b>           | PHYINFO_PDU         |          |
| <b>Derivation Path:</b>    |                     |          |
| <b>Comments:</b>           |                     |          |
| Field Name                 | Field Value         | Comments |
| ski                        | '0000'B             |          |
| rrpd                       | '0110'B             |          |
| mt                         | '00101101'B         |          |
| ta                         | ta                  |          |
| <b>Detailed Comments:</b>  |                     |          |

| PDU Constraint Declaration |                    |          |
|----------------------------|--------------------|----------|
| <b>Constraint Name:</b>    | Progress_01(Ti:TI) |          |
| <b>PDU Type:</b>           | PROG_PDU           |          |
| <b>Derivation Path:</b>    |                    |          |
| <b>Comments:</b>           |                    |          |
| Field Name                 | Field Value        | Comments |
| ti                         | Ti                 |          |
| ccpd                       | '0011'B            |          |
| mt                         | '00000011'B        |          |
| pi                         | ProgInd_02         |          |
| uu                         | OMIT               |          |
| <b>Detailed Comments:</b>  |                    |          |

| PDU Constraint Declaration |                    |          |
|----------------------------|--------------------|----------|
| <b>Constraint Name:</b>    | Progress_02(Ti:Ti) |          |
| <b>PDU Type:</b>           | PROG_PDU           |          |
| <b>Derivation Path:</b>    |                    |          |
| <b>Comments:</b>           |                    |          |
| Field Name                 | Field Value        | Comments |
| ti                         | Ti                 |          |
| ccpd                       | '0011'B            |          |
| mt                         | '00000011'B        |          |
| pi                         | ProgInd_03         |          |
| uu                         | OMIT               |          |
| <b>Detailed Comments:</b>  |                    |          |

| PDU Constraint Declaration |                                        |          |
|----------------------------|----------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_01                         |          |
| <b>PDU Type:</b>           | REGISTER_PDU                           |          |
| <b>Derivation Path:</b>    |                                        |          |
| <b>Comments:</b>           | To match any received REGISTER message |          |
| Field Name                 | Field Value                            | Comments |
| ti                         | ?                                      |          |
| sspd                       | ('1011'B, '0011'B)                     |          |
| mt                         | '0?111011'B                            |          |
| fie                        | ?                                      |          |
| ssvi                       | ?                                      |          |
| <b>Detailed Comments:</b>  |                                        |          |

| PDU Constraint Declaration |                                                          |          |
|----------------------------|----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_02                                           |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                             |          |
| <b>Derivation Path:</b>    |                                                          |          |
| <b>Comments:</b>           | To match a received REGISTER message without SSoperation |          |
| Field Name                 | Field Value                                              | Comments |
| ti                         | ?                                                        |          |
| sspd                       | '1011'B                                                  |          |
| mt                         | '0?111011'B                                              |          |
| fie                        | facilityIE_01                                            |          |
| ssvi                       | ?                                                        |          |
| <b>Detailed Comments:</b>  |                                                          |          |

| PDU Constraint Declaration |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_03                                                                 |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                                   |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                                                |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking registration of CFRNy for Speech |          |
| Field Name                 | Field Value                                                                    | Comments |
| fie                        | facilityIE_02                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| PDU Constraint Declaration |                                                                                     |          |
|----------------------------|-------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_04                                                                      |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                                        |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                                                     |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking registration of CFU for all facsimile |          |
| Field Name                 | Field Value                                                                         | Comments |
| fie                        | facilityIE_04                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                     |          |

| PDU Constraint Declaration |                                                                                                  |          |
|----------------------------|--------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_05                                                                                   |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                                                     |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                                                                  |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking registration of CFB for all asynchronous services. |          |
| Field Name                 | Field Value                                                                                      | Comments |
| fie                        | facilityIE_08                                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                                  |          |

| PDU Constraint Declaration |                                                                                     |          |
|----------------------------|-------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_06                                                                      |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                                        |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                                                     |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking registration of CF for all facsimile. |          |
| Field Name                 | Field Value                                                                         | Comments |
| fie                        | facilityIE_09                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                     |          |

| PDU Constraint Declaration |                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_07                                                                  |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                                    |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                                                 |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking erasure of CFC for all facsimile. |          |
| Field Name                 | Field Value                                                                     | Comments |
| fie                        | facilityIE_10                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                 |          |

| PDU Constraint Declaration |                                                                                       |          |
|----------------------------|---------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_08                                                                        |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                                          |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                                                       |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking erasure of CFNRc for all basic services |          |
| Field Name                 | Field Value                                                                           | Comments |
| fie                        | facilityIE_11                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                       |          |

| PDU Constraint Declaration |                                                                            |          |
|----------------------------|----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_09                                                             |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                               |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                                            |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking erasure of CFU for Telephony |          |
| Field Name                 | Field Value                                                                | Comments |
| fie                        | facilityIE_12                                                              |          |
| <b>Detailed Comments:</b>  |                                                                            |          |

| PDU Constraint Declaration |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_10                                                                   |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                                     |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                                                  |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking erasure of CFNRy for all facsimile |          |
| Field Name                 | Field Value                                                                      | Comments |
| fie                        | facilityIE_13                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |

| PDU Constraint Declaration |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_11                                                                              |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                                                |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                                                             |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking activation of CF for all synchronous services |          |
| Field Name                 | Field Value                                                                                 | Comments |
| fie                        | facilityIE_20                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| PDU Constraint Declaration |                                                                                        |          |
|----------------------------|----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_12                                                                         |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                                           |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                                                        |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking activation of CFU for all basic services |          |
| Field Name                 | Field Value                                                                            | Comments |
| fie                        | facilityIE_21                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                        |          |

| PDU Constraint Declaration |                                                                              |          |
|----------------------------|------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_13                                                               |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                                 |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                                              |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking deactivation of CFC for speech |          |
| Field Name                 | Field Value                                                                  | Comments |
| fie                        | facilityIE_24                                                                |          |
| <b>Detailed Comments:</b>  |                                                                              |          |

| PDU Constraint Declaration |                                                                                       |          |
|----------------------------|---------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_14                                                                        |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                                          |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                                                       |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking deactivation of CFNRc for all facsimile |          |
| Field Name                 | Field Value                                                                           | Comments |
| fie                        | facilityIE_25                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                       |          |

| PDU Constraint Declaration |                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_15                                                                            |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                                              |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                                                           |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking interrogation of CFB for all basic services |          |
| Field Name                 | Field Value                                                                               | Comments |
| fie                        | facilityIE_28                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                           |          |

| PDU Constraint Declaration |                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_16                                                                     |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                                       |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                                                    |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking interrogation of CFNRy for Telephony |          |
| Field Name                 | Field Value                                                                        | Comments |
| fie                        | facilityIE_29                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                    |          |

| PDU Constraint Declaration |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_17                                                                              |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                                                |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                                                             |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking interrogation of CFNRc for all basic services |          |
| Field Name                 | Field Value                                                                                 | Comments |
| fie                        | facilityIE_32                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| PDU Constraint Declaration |                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_18                                                                       |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                                         |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                                                      |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking interrogation of CFB for all facsimile |          |
| Field Name                 | Field Value                                                                          | Comments |
| fie                        | facilityIE_33                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                                      |          |

| PDU Constraint Declaration |                                                                        |          |
|----------------------------|------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_19                                                         |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                           |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                                        |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking registration of password |          |
| Field Name                 | Field Value                                                            | Comments |
| fie                        | facilityIE_63                                                          |          |
| <b>Detailed Comments:</b>  |                                                                        |          |

| PDU Constraint Declaration |                                                          |          |
|----------------------------|----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_20                                           |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                             |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                          |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking activation |          |
| Field Name                 | Field Value                                              | Comments |
| fie                        | facilityIE_74                                            |          |
| <b>Detailed Comments:</b>  |                                                          |          |

| PDU Constraint Declaration |                                                          |          |
|----------------------------|----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_21                                           |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                             |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                          |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking activation |          |
| Field Name                 | Field Value                                              | Comments |
| fie                        | facilityIE_76                                            |          |
| <b>Detailed Comments:</b>  |                                                          |          |

| PDU Constraint Declaration |                                                          |          |
|----------------------------|----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_22                                           |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                             |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                          |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking activation |          |
| Field Name                 | Field Value                                              | Comments |
| fie                        | facilityIE_78                                            |          |
| <b>Detailed Comments:</b>  |                                                          |          |

| PDU Constraint Declaration |                                                          |          |
|----------------------------|----------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_23                                           |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                             |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                          |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking activation |          |
| Field Name                 | Field Value                                              | Comments |
| fie                        | facilityIE_80                                            |          |
| <b>Detailed Comments:</b>  |                                                          |          |

| PDU Constraint Declaration |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_24                                                 |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                   |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                                |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking for deactivation |          |
| Field Name                 | Field Value                                                    | Comments |
| fie                        | facilityIE_82                                                  |          |
| <b>Detailed Comments:</b>  |                                                                |          |

| PDU Constraint Declaration |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_25                                                 |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                   |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                                |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking for deactivation |          |
| Field Name                 | Field Value                                                    | Comments |
| fie                        | facilityIE_84                                                  |          |
| <b>Detailed Comments:</b>  |                                                                |          |

| PDU Constraint Declaration |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_26                                                 |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                   |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                                |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking for deactivation |          |
| Field Name                 | Field Value                                                    | Comments |
| fie                        | facilityIE_85                                                  |          |
| <b>Detailed Comments:</b>  |                                                                |          |

| PDU Constraint Declaration |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_27                                                 |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                   |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                                |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking for deactivation |          |
| Field Name                 | Field Value                                                    | Comments |
| fie                        | facilityIE_88                                                  |          |
| <b>Detailed Comments:</b>  |                                                                |          |

| PDU Constraint Declaration |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_28                                                  |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                    |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                                 |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking for interrogation |          |
| Field Name                 | Field Value                                                     | Comments |
| fie                        | facilityIE_89                                                   |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| PDU Constraint Declaration |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_29                                                  |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                    |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                                 |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking for interrogation |          |
| Field Name                 | Field Value                                                     | Comments |
| fie                        | facilityIE_90                                                   |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| PDU Constraint Declaration |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_30                                                  |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                    |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                                 |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking for interrogation |          |
| Field Name                 | Field Value                                                     | Comments |
| fie                        | facilityIE_93                                                   |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| PDU Constraint Declaration |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_31                                                  |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                    |          |
| <b>Derivation Path:</b>    | RegisterPdu_02.                                                 |          |
| <b>Comments:</b>           | To match a received REGISTER message invoking for interrogation |          |
| Field Name                 | Field Value                                                     | Comments |
| fie                        | facilityIE_94                                                   |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| PDU Constraint Declaration |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_32(ussdString: IA5String)                          |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                   |          |
| <b>Derivation Path:</b>    |                                                                |          |
| <b>Comments:</b>           | To match REGISTER message with Process Unstructured SS Request |          |
| Field Name                 | Field Value                                                    | Comments |
| ti                         | ?                                                              |          |
| sspd                       | '1011'B                                                        |          |
| mt                         | '0?111011'B                                                    |          |
| fie                        | facilityIE_98(ussdString)                                      |          |
| ssvi                       | OMIT                                                           |          |
| <b>Detailed Comments:</b>  |                                                                |          |

| PDU Constraint Declaration |                                                             |          |
|----------------------------|-------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_33(ussdString: IA5String)                       |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                             |          |
| <b>Comments:</b>           | To match REGISTER message with Process Unstructured SS Data |          |
| Field Name                 | Field Value                                                 | Comments |
| ti                         | ?                                                           |          |
| sspd                       | '1011'B                                                     |          |
| mt                         | '0?111011'B                                                 |          |
| fie                        | facilityIE_102(ussdString)                                  |          |
| ssvi                       | OMIT                                                        |          |
| <b>Detailed Comments:</b>  |                                                             |          |



| PDU Constraint Declaration |                                                                        |          |
|----------------------------|------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_34(Ti:TI; Invkid:OCTETSTRING; ussdstring: IA5String)       |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                           |          |
| <b>Derivation Path:</b>    |                                                                        |          |
| <b>Comments:</b>           | To send a REGISTER message containing Invoke for UnstructuredSS-Notify |          |
| Field Name                 | Field Value                                                            | Comments |
| ti                         | Ti                                                                     |          |
| sspd                       | '1011'B                                                                |          |
| mt                         | '00111011'B                                                            |          |
| fie                        | facilityIE_107(Invkid, ussdstring)                                     |          |
| ssvi                       | OMIT                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                        |          |

| PDU Constraint Declaration |                                                                         |          |
|----------------------------|-------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RegisterPdu_35(Ti:TI; Invkid:OCTETSTRING; ussdstring: IA5String)        |          |
| <b>PDU Type:</b>           | REGISTER_PDU                                                            |          |
| <b>Derivation Path:</b>    |                                                                         |          |
| <b>Comments:</b>           | To send a REGISTER message containing Invoke for UnstructuredSS-Request |          |
| Field Name                 | Field Value                                                             | Comments |
| ti                         | Ti                                                                      |          |
| sspd                       | '1011'B                                                                 |          |
| mt                         | '00111011'B                                                             |          |
| fie                        | facilityIE_111(Invkid, ussdstring)                                      |          |
| ssvi                       | OMIT                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                         |          |

| PDU Constraint Declaration |                                                                                       |          |
|----------------------------|---------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Release_01                                                                            |          |
| <b>PDU Type:</b>           | REL_PDU                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                       |          |
| <b>Comments:</b>           | A CC RELEASE message containing cause #96, used to match received CC RELEASE message. |          |
| Field Name                 | Field Value                                                                           | Comments |
| ti                         | TI_01                                                                                 |          |
| ccpd                       | '0011'B                                                                               |          |
| mt                         | '0?101101'B                                                                           |          |
| cau                        | Cause_04iei                                                                           |          |
| cau2                       | *                                                                                     |          |
| fie                        | *                                                                                     |          |
| uu                         | *                                                                                     |          |
| ssvi                       | *                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                       |          |

| PDU Constraint Declaration |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Release_02                                                     |          |
| <b>PDU Type:</b>           | REL_PDU                                                        |          |
| <b>Derivation Path:</b>    | Release_01.                                                    |          |
| <b>Comments:</b>           | A CC RELEASE message to match any received CC RELEASE message. |          |
| Field Name                 | Field Value                                                    | Comments |
| ti                         | ?                                                              |          |
| cau                        | *                                                              |          |
| <b>Detailed Comments:</b>  |                                                                |          |

| PDU Constraint Declaration |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Release_03(Ti:TI)                                               |          |
| <b>PDU Type:</b>           | REL_PDU                                                         |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | A CC RELEASE message containing cause #31 to be sent to the MS. |          |
| Field Name                 | Field Value                                                     | Comments |
| ti                         | Ti                                                              |          |
| ccpd                       | '0011'B                                                         |          |
| mt                         | '00101101'B                                                     |          |
| cau                        | Cause_11                                                        |          |
| cau2                       | OMIT                                                            |          |
| fie                        | OMIT                                                            |          |
| uu                         | OMIT                                                            |          |
| ssvi                       | OMIT                                                            |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| PDU Constraint Declaration |                            |          |
|----------------------------|----------------------------|----------|
| <b>Constraint Name:</b>    | Release_05(Ti:TI; Cau:CAU) |          |
| <b>PDU Type:</b>           | REL_PDU                    |          |
| <b>Derivation Path:</b>    |                            |          |
| <b>Comments:</b>           | A CC RELEASE message.      |          |
| Field Name                 | Field Value                | Comments |
| ti                         | Ti                         |          |
| ccpd                       | '0011'B                    |          |
| mt                         | '0?101101'B                |          |
| cau                        | Cau                        |          |
| cau2                       | Cause_14 IF_PRESENT        |          |
| fie                        | *                          |          |
| uu                         | *                          |          |
| ssvi                       | *                          |          |
| <b>Detailed Comments:</b>  |                            |          |

| PDU Constraint Declaration |                                                                                       |          |
|----------------------------|---------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Release_06(Ti:TI)                                                                     |          |
| <b>PDU Type:</b>           | REL_PDU                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                       |          |
| <b>Comments:</b>           | A CC RELEASE message containing cause #16 and second cause #102 to be sent to the MS. |          |
| Field Name                 | Field Value                                                                           | Comments |
| ti                         | Ti                                                                                    |          |
| ccpd                       | '0011'B                                                                               |          |
| mt                         | '00101101'B                                                                           |          |
| cau                        | Cause_25                                                                              |          |
| cau2                       | Cause_23                                                                              |          |
| fie                        | OMIT                                                                                  |          |
| uu                         | OMIT                                                                                  |          |
| ssvi                       | OMIT                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                       |          |

| PDU Constraint Declaration |                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Release_08(Ti:TI)                                                                  |          |
| <b>PDU Type:</b>           | REL_PDU                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                    |          |
| <b>Comments:</b>           | A CC RELEASE message with mandatory IE's only used in structured procedures test . |          |
| Field Name                 | Field Value                                                                        | Comments |
| ti                         | Ti                                                                                 |          |
| ccpd                       | '0011'B                                                                            |          |
| mt                         | '00101101'B                                                                        |          |
| cau                        | OMIT                                                                               |          |
| cau2                       | OMIT                                                                               |          |
| fie                        | OMIT                                                                               |          |
| uu                         | OMIT                                                                               |          |
| ssvi                       | OMIT                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                    |          |

| PDU Constraint Declaration |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Release_09(Ti:TI)                                             |          |
| <b>PDU Type:</b>           | REL_PDU                                                       |          |
| <b>Derivation Path:</b>    |                                                               |          |
| <b>Comments:</b>           | A CC RELEASE message with mandatory IE's only to be received. |          |
| Field Name                 | Field Value                                                   | Comments |
| ti                         | Ti                                                            |          |
| ccpd                       | '0011'B                                                       |          |
| mt                         | '0?101101'B                                                   |          |
| cau                        | OMIT                                                          |          |
| cau2                       | OMIT                                                          |          |
| fie                        | OMIT                                                          |          |
| uu                         | OMIT                                                          |          |
| ssvi                       | OMIT                                                          |          |
| <b>Detailed Comments:</b>  |                                                               |          |

| PDU Constraint Declaration |                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Release_10(Ti:TI)                                                                          |          |
| <b>PDU Type:</b>           | REL_PDU                                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                            |          |
| <b>Comments:</b>           | A CC RELEASE message used to match any received CC RELEASE message with a controllable TI. |          |
| Field Name                 | Field Value                                                                                | Comments |
| ti                         | Ti                                                                                         |          |
| ccpd                       | '0011'B                                                                                    |          |
| mt                         | '0?101101'B                                                                                |          |
| cau                        | *                                                                                          |          |
| cau2                       | *                                                                                          |          |
| fie                        | *                                                                                          |          |
| uu                         | *                                                                                          |          |
| ssvi                       | *                                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                                            |          |

| PDU Constraint Declaration |                                                                  |          |
|----------------------------|------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_01(Ti :TI)                                            |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                      |          |
| <b>Derivation Path:</b>    |                                                                  |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing cause value = #81. ms -> n |          |
| Field Name                 | Field Value                                                      | Comments |
| ti                         | Ti                                                               |          |
| cc_sspd                    | '0011'B                                                          |          |
| mt                         | '0?101010'B                                                      |          |
| cau                        | Cause_07                                                         |          |
| fie                        | *                                                                |          |
| uu                         | *                                                                |          |
| ssvi                       | *                                                                |          |
| <b>Detailed Comments:</b>  |                                                                  |          |

| PDU Constraint Declaration |                                                                |          |
|----------------------------|----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_02                                                  |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                    |          |
| <b>Derivation Path:</b>    |                                                                |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing cause value #16. n -> ms |          |
| Field Name                 | Field Value                                                    | Comments |
| ti                         | TI_02                                                          |          |
| cc_sspd                    | '0011'B                                                        |          |
| mt                         | '00101010'B                                                    |          |
| cau                        | Cause_26                                                       |          |
| fie                        | OMIT                                                           |          |
| uu                         | OMIT                                                           |          |
| ssvi                       | OMIT                                                           |          |
| <b>Detailed Comments:</b>  |                                                                |          |

| PDU Constraint Declaration |                                        |          |
|----------------------------|----------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_03(Ti:TI)                   |          |
| <b>PDU Type:</b>           | REL_COM_PDU                            |          |
| <b>Derivation Path:</b>    |                                        |          |
| <b>Comments:</b>           | To match any received RELEASE message. |          |
| Field Name                 | Field Value                            | Comments |
| ti                         | Ti                                     |          |
| cc_sspd                    | '0011'B                                |          |
| mt                         | '0?101010'B                            |          |
| cau                        | *                                      |          |
| fie                        | *                                      |          |
| uu                         | *                                      |          |
| ssvi                       | *                                      |          |
| <b>Detailed Comments:</b>  |                                        |          |

| PDU Constraint Declaration |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_04(Ti:TI)                                          |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                   |          |
| <b>Derivation Path:</b>    | ReleaseCmp_01.                                                |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing cause value #1. n -> ms |          |
| Field Name                 | Field Value                                                   | Comments |
| ti                         | Ti                                                            |          |
| mt                         | '00101010'B                                                   |          |
| cau                        | Cause_10                                                      |          |
| fie                        | OMIT                                                          |          |
| uu                         | OMIT                                                          |          |
| ssvi                       | OMIT                                                          |          |
| <b>Detailed Comments:</b>  |                                                               |          |

| PDU Constraint Declaration |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_05                                                   |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                     |          |
| <b>Derivation Path:</b>    |                                                                 |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing cause value #88. ms -> n. |          |
| Field Name                 | Field Value                                                     | Comments |
| ti                         | TI_01                                                           |          |
| cc_sspd                    | '0011'B                                                         |          |
| mt                         | '0?101010'B                                                     |          |
| cau                        | Cause_12                                                        |          |
| fie                        | *                                                               |          |
| uu                         | *                                                               |          |
| ssvi                       | *                                                               |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| PDU Constraint Declaration |                                                                 |          |
|----------------------------|-----------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_06                                                   |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                     |          |
| <b>Derivation Path:</b>    | ReleaseCmp_05.                                                  |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing cause value #21. ms -> n. |          |
| Field Name                 | Field Value                                                     | Comments |
| cau                        | Cause_13                                                        |          |
| <b>Detailed Comments:</b>  |                                                                 |          |

| PDU Constraint Declaration |                                                                  |          |
|----------------------------|------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_07(Ti:TI)                                             |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                      |          |
| <b>Derivation Path:</b>    |                                                                  |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing cause value = #88. ms -> n |          |
| Field Name                 | Field Value                                                      | Comments |
| ti                         | Ti                                                               |          |
| cc_sspd                    | '0011'B                                                          |          |
| mt                         | '0?101010'B                                                      |          |
| cau                        | Cause_27                                                         |          |
| fie                        | *                                                                |          |
| uu                         | *                                                                |          |
| ssvi                       | *                                                                |          |
| <b>Detailed Comments:</b>  |                                                                  |          |

| PDU Constraint Declaration |                                                                   |          |
|----------------------------|-------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_08(Ti :TI)                                             |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                       |          |
| <b>Derivation Path:</b>    |                                                                   |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing mandatory IEs only. n -> ms |          |
| Field Name                 | Field Value                                                       | Comments |
| ti                         | Ti                                                                |          |
| cc_sspd                    | '0011'B                                                           |          |
| mt                         | '00101010'B                                                       |          |
| cau                        | OMIT                                                              |          |
| fie                        | OMIT                                                              |          |
| uu                         | OMIT                                                              |          |
| ssvi                       | OMIT                                                              |          |
| <b>Detailed Comments:</b>  |                                                                   |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_09(Ti :TI; Invkid:OCTETSTRING)                  |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_05(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                                  |          |
|----------------------------|------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_10(Ti:TI)                                             |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                      |          |
| <b>Derivation Path:</b>    |                                                                  |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing cause value = #17. ms -> n |          |
| Field Name                 | Field Value                                                      | Comments |
| ti                         | Ti                                                               |          |
| cc_sspd                    | '0011'B                                                          |          |
| mt                         | '0?101010'B                                                      |          |
| cau                        | Cause_17                                                         |          |
| fie                        | *                                                                |          |
| uu                         | *                                                                |          |
| ssvi                       | *                                                                |          |
| <b>Detailed Comments:</b>  |                                                                  |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_11(Ti:TI; Invkid:OCTETSTRING)                   |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_03(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_12(Ti:TI; Invkid:OCTETSTRING)                   |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_14(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_13(Ti:TI; Invkid:OCTETSTRING)                   |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_15(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_14(Ti :TI; Invkid:OCTETSTRING)                  |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_16(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_15(Ti :TI; Invkid:OCTETSTRING)                  |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_17(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_16(Ti :TI; Invkid:OCTETSTRING)                  |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_18(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |



| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_17(Ti:TI; Invkid:OCTETSTRING)                   |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_19(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_18(Ti:TI; Invkid:OCTETSTRING)                   |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_22(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_19(Ti:TI; Invkid:OCTETSTRING)                   |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_23(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_20(Ti :TI; Invkid:OCTETSTRING)                  |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_26(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_21(Ti :TI; Invkid:OCTETSTRING)                  |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_27(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_22(Ti :TI; Invkid:OCTETSTRING)                  |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_30(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_23(Ti :TI; Invkid:OCTETSTRING)                  |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_31(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_24(Ti :TI; Invkid:OCTETSTRING)                  |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_34(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                                              |          |
|----------------------------|------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_25(Ti:TI)                                                         |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                                  |          |
| <b>Derivation Path:</b>    |                                                                              |          |
| <b>Comments:</b>           | To match a received RELEASE message which may or may not contain facility IE |          |
| Field Name                 | Field Value                                                                  | Comments |
| ti                         | Ti                                                                           |          |
| cc_sspd                    | '0011'B                                                                      |          |
| mt                         | '0?101010'B                                                                  |          |
| cau                        | *                                                                            |          |
| fie                        | facilityIE_45 IF_PRESENT                                                     |          |
| uu                         | *                                                                            |          |
| ssvi                       | *                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                              |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_26(Ti :TI; Invkid:OCTETSTRING)                  |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_35(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_27(Ti :TI; Invkid:OCTETSTRING)                  |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_69(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_28(Ti :TI; Invkid:OCTETSTRING)                  |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_70(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_29(Ti :TI; Invkid:OCTETSTRING)                  |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_71(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_30(Ti :TI; Invkid:OCTETSTRING)                  |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_73(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_31(Ti :TI; Invkid:OCTETSTRING)                  |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_75(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_32(Ti :TI; Invkid:OCTETSTRING)                  |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_77(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_33(Ti :TI; Invkid:OCTETSTRING)                  |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_79(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_34(Ti :TI; Invkid:OCTETSTRING)                  |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_81(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_35(Ti:TI; Invkid:OCTETSTRING)                   |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_83(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_36(Ti:TI; Invkid:OCTETSTRING)                   |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_115(Invkid)                                     |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_37(Ti:TI; Invkid:OCTETSTRING)                   |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_86(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_38(Ti :TI; Invkid:OCTETSTRING)                  |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_87(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_39(Ti :TI; Invkid:OCTETSTRING)                  |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_95(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_40(Ti :TI; Invkid :OCTETSTRING; ussdString: IA5String)                |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                  |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing the REGISTER message in test case 31.9.1.1 |          |
| Field Name                 | Field Value                                                                      | Comments |
| ti                         | Ti                                                                               |          |
| cc_sspd                    | '0011'B                                                                          |          |
| mt                         | '0?101010'B                                                                      |          |
| cau                        | Cause_20                                                                         |          |
| fie                        | facilityIE_101(Invkid, ussdString)                                               |          |
| uu                         | *                                                                                |          |
| ssvi                       | *                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |



| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_41(Ti:TI; Invkid:OCTETSTRING)                   |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_96(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                                                         |          |
|----------------------------|-----------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_42(Ti:TI)                                                                    |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                         |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message containing cause 'facility rejected' and without FIE |          |
| Field Name                 | Field Value                                                                             | Comments |
| ti                         | Ti                                                                                      |          |
| cc_sspd                    | '1011'B                                                                                 |          |
| mt                         | '00101010'B                                                                             |          |
| cau                        | Cause_28                                                                                |          |
| fie                        | OMIT                                                                                    |          |
| uu                         | OMIT                                                                                    |          |
| ssvi                       | OMIT                                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                         |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_43(Ti:TI; Invkid:OCTETSTRING)                   |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_91(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_44(Ti :TI; Invkid:OCTETSTRING)                  |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_92(Invkid)                                      |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_45(Ti :TI)                                      |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_97                                              |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                                                                                 |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_46(Ti :TI; Invkid :OCTETSTRING; prevbits: OCTETSTRING; follbits: OCTETSTRING; ussdString: IA5String) |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                 |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms                                                      |          |
| Field Name                 | Field Value                                                                                                     | Comments |
| ti                         | Ti                                                                                                              |          |
| cc_sspd                    | '1011'B                                                                                                         |          |
| mt                         | '00101010'B                                                                                                     |          |
| cau                        | OMIT                                                                                                            |          |
| fie                        | facilityIE_99(Invkid, prevbits, follbits, ussdString)                                                           |          |
| uu                         | OMIT                                                                                                            |          |
| ssvi                       | OMIT                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                 |          |

| PDU Constraint Declaration |                                                                  |          |
|----------------------------|------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_47(Ti:TI)                                             |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                      |          |
| <b>Derivation Path:</b>    |                                                                  |          |
| <b>Comments:</b>           | To send a RELEASE COMPLETE message without cause and without FIE |          |
| Field Name                 | Field Value                                                      | Comments |
| ti                         | Ti                                                               |          |
| cc_sspd                    | '1011'B                                                          |          |
| mt                         | '00101010'B                                                      |          |
| cau                        | OMIT                                                             |          |
| fie                        | OMIT                                                             |          |
| uu                         | OMIT                                                             |          |
| ssvi                       | OMIT                                                             |          |
| <b>Detailed Comments:</b>  |                                                                  |          |

| PDU Constraint Declaration |                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_48(Ti:TI; Invkid:OCTETSTRING; prevbits:OCTETSTRING; follbits:OCTETSTRING) |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                                          |          |
| <b>Derivation Path:</b>    |                                                                                      |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms                           |          |
| Field Name                 | Field Value                                                                          | Comments |
| ti                         | Ti                                                                                   |          |
| cc_sspd                    | '1011'B                                                                              |          |
| mt                         | '00101010'B                                                                          |          |
| cau                        | OMIT                                                                                 |          |
| fie                        | facilityIE_103(Invkid, prevbits, follbits)                                           |          |
| uu                         | OMIT                                                                                 |          |
| ssvi                       | OMIT                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                      |          |

| PDU Constraint Declaration |                                                                                                                       |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_49(Ti:TI; Invkid:OCTETSTRING)                                                                              |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                       |          |
| <b>Comments:</b>           | To receive a RELEASE COMPLETE message containing Return Error for UnstructuredSS-Notify with the error code USSD Busy |          |
| Field Name                 | Field Value                                                                                                           | Comments |
| ti                         | Ti                                                                                                                    |          |
| cc_sspd                    | '1011'B                                                                                                               |          |
| mt                         | '0?101010'B                                                                                                           |          |
| cau                        | *                                                                                                                     |          |
| fie                        | facilityIE_110(Invkid)                                                                                                |          |
| uu                         | OMIT                                                                                                                  |          |
| ssvi                       | OMIT                                                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                                       |          |

| PDU Constraint Declaration |                                                                                                                        |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_50(Ti:TI; Invkid:OCTETSTRING)                                                                               |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                                                                            |          |
| <b>Derivation Path:</b>    |                                                                                                                        |          |
| <b>Comments:</b>           | To receive a RELEASE COMPLETE message containing Return Error for UnstructuredSS-Request with the error code USSD Busy |          |
| Field Name                 | Field Value                                                                                                            | Comments |
| ti                         | Ti                                                                                                                     |          |
| cc_sspd                    | '1011'B                                                                                                                |          |
| mt                         | '0?101010'B                                                                                                            |          |
| cau                        | *                                                                                                                      |          |
| fie                        | facilityIE_113(Invkid)                                                                                                 |          |
| uu                         | OMIT                                                                                                                   |          |
| ssvi                       | OMIT                                                                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                                                        |          |

| PDU Constraint Declaration |                                                                                          |          |
|----------------------------|------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_51(Ti :TI; Invkid :OCTETSTRING; prevbits: OCTETSTRING; follbits: OCTETSTRING) |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                          |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms                               |          |
| Field Name                 | Field Value                                                                              | Comments |
| ti                         | Ti                                                                                       |          |
| cc_sspd                    | '1011'B                                                                                  |          |
| mt                         | '00101010'B                                                                              |          |
| cau                        | OMIT                                                                                     |          |
| fie                        | facilityIE_104(Invkid, prevbits, follbits)                                               |          |
| uu                         | OMIT                                                                                     |          |
| ssvi                       | OMIT                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                          |          |

| PDU Constraint Declaration |                                                                                  |          |
|----------------------------|----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_52                                                                    |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                                      |          |
| <b>Derivation Path:</b>    | ReleaseCmp_02.                                                                   |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing cause value #81 and TI = '1110'B. ms -> n. |          |
| Field Name                 | Field Value                                                                      | Comments |
| ti                         | TI_05                                                                            |          |
| cau                        | Cause_22                                                                         |          |
| fie                        | OMIT                                                                             |          |
| uu                         | OMIT                                                                             |          |
| ssvi                       | OMIT                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                  |          |

| PDU Constraint Declaration |                                                                                          |          |
|----------------------------|------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_53(Ti :TI; Invkid :OCTETSTRING; prevbits: OCTETSTRING; follbits: OCTETSTRING) |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                          |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms                               |          |
| Field Name                 | Field Value                                                                              | Comments |
| ti                         | Ti                                                                                       |          |
| cc_sspd                    | '1011'B                                                                                  |          |
| mt                         | '00101010'B                                                                              |          |
| cau                        | OMIT                                                                                     |          |
| fie                        | facilityIE_105(Invkid, prevbits, follbits)                                               |          |
| uu                         | OMIT                                                                                     |          |
| ssvi                       | OMIT                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                          |          |

| PDU Constraint Declaration |                                                                                          |          |
|----------------------------|------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_54(Ti :TI; Invkid :OCTETSTRING; prevbits: OCTETSTRING; follbits: OCTETSTRING) |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                          |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms                               |          |
| Field Name                 | Field Value                                                                              | Comments |
| ti                         | Ti                                                                                       |          |
| cc_sspd                    | '1011'B                                                                                  |          |
| mt                         | '00101010'B                                                                              |          |
| cau                        | OMIT                                                                                     |          |
| fie                        | facilityIE_106(Invkid, prevbits, follbits)                                               |          |
| uu                         | OMIT                                                                                     |          |
| ssvi                       | OMIT                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                          |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_55(Ti :TI; Invkid :OCTETSTRING)                 |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_109(Invkid)                                     |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_56(Ti :TI; Invkid :OCTETSTRING)                 |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | A RELEASE COMPLETE message containing facility IE. n -> ms |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| cc_sspd                    | '1011'B                                                    |          |
| mt                         | '00101010'B                                                |          |
| cau                        | OMIT                                                       |          |
| fie                        | facilityIE_114(Invkid)                                     |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                                     |          |
|----------------------------|---------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseCmp_inv_02                                                   |          |
| <b>PDU Type:</b>           | REL_COM_PDU                                                         |          |
| <b>Derivation Path:</b>    | ReleaseCmp_02.                                                      |          |
| <b>Comments:</b>           | An invalid RELEASE COMPLETE message containing unknown optional IEI |          |
| Field Name                 | Field Value                                                         | Comments |
| cau                        | Cause_08                                                            |          |
| <b>Detailed Comments:</b>  |                                                                     |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | ReleaseReq_inv_01(Ti:TI)                                   |          |
| <b>PDU Type:</b>           | REL_PDU                                                    |          |
| <b>Derivation Path:</b>    |                                                            |          |
| <b>Comments:</b>           | An invalid RELEASE message containing unknown optional IE. |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | Ti                                                         |          |
| ccpd                       | '0011'B                                                    |          |
| mt                         | '00101101'B                                                |          |
| cau                        | Cause_09                                                   |          |
| cau2                       | OMIT                                                       |          |
| fie                        | OMIT                                                       |          |
| uu                         | OMIT                                                       |          |
| ssvi                       | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                              |          |
|----------------------------|----------------------------------------------|----------|
| <b>Constraint Name:</b>    | RRStatus_01                                  |          |
| <b>PDU Type:</b>           | RRST_PDU                                     |          |
| <b>Derivation Path:</b>    |                                              |          |
| <b>Comments:</b>           | A RR STATUS message containing any RR cause. |          |
| Field Name                 | Field Value                                  | Comments |
| ski                        | '0000'B                                      |          |
| rrpd                       | '0110'B                                      |          |
| mt                         | '00010010'B                                  |          |
| rrcau                      | ?                                            |          |
| <b>Detailed Comments:</b>  |                                              |          |

| PDU Constraint Declaration |                                                                             |          |
|----------------------------|-----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RRStatus_02                                                                 |          |
| <b>PDU Type:</b>           | RRST_PDU                                                                    |          |
| <b>Derivation Path:</b>    | RRStatus_01.                                                                |          |
| <b>Comments:</b>           | RR STATUS message containing cause value #96--invalid mandatory information |          |
| Field Name                 | Field Value                                                                 | Comments |
| rrcau                      | '01100000'B                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                             |          |

| PDU Constraint Declaration |                                                                                              |          |
|----------------------------|----------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | RRStatus_03                                                                                  |          |
| <b>PDU Type:</b>           | RRST_PDU                                                                                     |          |
| <b>Derivation Path:</b>    | RRStatus_01.                                                                                 |          |
| <b>Comments:</b>           | A RR STATUS message containing cause value #97--message type non-existent or not implemented |          |
| Field Name                 | Field Value                                                                                  | Comments |
| rrcau                      | '01100001'B                                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                              |          |

| PDU Constraint Declaration |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Setup_01                                                      |          |
| <b>PDU Type:</b>           | SETUP_MT_PDU                                                  |          |
| <b>Derivation Path:</b>    |                                                               |          |
| <b>Comments:</b>           | A SETUP message containing speech bearer capability. n -> ms. |          |
| Field Name                 | Field Value                                                   | Comments |
| ti                         | TI_02                                                         |          |
| ccpd                       | '0011'B                                                       |          |
| mt                         | '00000101'B                                                   |          |
| bcri                       | OMIT                                                          |          |
| bcap1                      | Bcap_01                                                       |          |
| bcap2                      | OMIT                                                          |          |
| fie                        | OMIT                                                          |          |
| pi                         | OMIT                                                          |          |
| sig                        | OMIT                                                          |          |
| cgpn                       | OMIT                                                          |          |
| cgps                       | OMIT                                                          |          |
| cdpn                       | OMIT                                                          |          |
| cdps                       | OMIT                                                          |          |
| llcri                      | OMIT                                                          |          |
| llcmp1                     | OMIT                                                          |          |
| llcmp2                     | OMIT                                                          |          |
| hlcri                      | OMIT                                                          |          |
| hlcmp1                     | OMIT                                                          |          |
| hlcmp2                     | OMIT                                                          |          |
| uu                         | OMIT                                                          |          |
| <b>Detailed Comments:</b>  |                                                               |          |

| PDU Constraint Declaration |                                                                             |          |
|----------------------------|-----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Setup_03                                                                    |          |
| <b>PDU Type:</b>           | SETUP_MT_PDU                                                                |          |
| <b>Derivation Path:</b>    | Setup_01.                                                                   |          |
| <b>Comments:</b>           | A SETUP message with mandatory IE's only. This is default for BIBO testing. |          |
| Field Name                 | Field Value                                                                 | Comments |
| bcap1                      | OMIT                                                                        |          |
| <b>Detailed Comments:</b>  |                                                                             |          |

| PDU Constraint Declaration |                                                                                                                                                                        |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Setup_04                                                                                                                                                               |          |
| <b>PDU Type:</b>           | SETUP_MT_PDU                                                                                                                                                           |          |
| <b>Derivation Path:</b>    | Setup_01.                                                                                                                                                              |          |
| <b>Comments:</b>           | A SETUP message containing full rate bearer capability supported by the mobile station, signal IE and low layer, high layer compatibility's IE's. Used for CC testing. |          |
| Field Name                 | Field Value                                                                                                                                                            | Comments |
| bcap1                      | TSPX_BCa                                                                                                                                                               |          |
| sig                        | Signal_01                                                                                                                                                              |          |
| llcmp1                     | TSPX_LLCmpA                                                                                                                                                            |          |
| hlcmp1                     | TSPX_HLCmpA                                                                                                                                                            |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                        |          |

| PDU Constraint Declaration |                                                                                                                                 |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Setup_05                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MT_PDU                                                                                                                    |          |
| <b>Derivation Path:</b>    | Setup_01.                                                                                                                       |          |
| <b>Comments:</b>           | A SETUP message containing bearer capability of half rate channel TSPX_BCb supported by the mobile station. Used in RR testing. |          |
| Field Name                 | Field Value                                                                                                                     | Comments |
| bcap1                      | TSPX_BCb                                                                                                                        |          |
| llcmp1                     | TSPX_LLCmpB                                                                                                                     |          |
| hlcmp1                     | TSPX_HLCmpB                                                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                                                                 |          |

| PDU Constraint Declaration |                                                                                                          |          |
|----------------------------|----------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Setup_06                                                                                                 |          |
| <b>PDU Type:</b>           | SETUP_MT_PDU                                                                                             |          |
| <b>Derivation Path:</b>    | Setup_01.                                                                                                |          |
| <b>Comments:</b>           | A SETUP message containing only one bearer capability and the BC is not supported by the mobile station. |          |
| Field Name                 | Field Value                                                                                              | Comments |
| bcap1                      | TSPX_BC2                                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                                          |          |



| PDU Constraint Declaration |                                                                               |          |
|----------------------------|-------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Setup_20(par: BCAP)                                                           |          |
| <b>PDU Type:</b>           | SETUP_MT_PDU                                                                  |          |
| <b>Derivation Path:</b>    |                                                                               |          |
| <b>Comments:</b>           | A SETUP message containing bearer capability supported by the mobile station. |          |
| Field Name                 | Field Value                                                                   | Comments |
| ti                         | TI_02                                                                         |          |
| ccpd                       | '0011'B                                                                       |          |
| mt                         | '00000101'B                                                                   |          |
| bcri                       | OMIT                                                                          |          |
| bcap1                      | par                                                                           |          |
| bcap2                      | OMIT                                                                          |          |
| fie                        | OMIT                                                                          |          |
| pi                         | OMIT                                                                          |          |
| sig                        | OMIT                                                                          |          |
| cgpn                       | OMIT                                                                          |          |
| cgps                       | OMIT                                                                          |          |
| cdpn                       | OMIT                                                                          |          |
| cdps                       | OMIT                                                                          |          |
| llcri                      | OMIT                                                                          |          |
| llcmp1                     | OMIT                                                                          |          |
| llcmp2                     | OMIT                                                                          |          |
| hlcri                      | OMIT                                                                          |          |
| hlcmp1                     | OMIT                                                                          |          |
| hlcmp2                     | OMIT                                                                          |          |
| uu                         | OMIT                                                                          |          |
| <b>Detailed Comments:</b>  |                                                                               |          |

| PDU Constraint Declaration |                                                                                     |          |
|----------------------------|-------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Setup_21(par1:RPI; par2, par3 :BCAP)                                                |          |
| <b>PDU Type:</b>           | SETUP_MT_PDU                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                     |          |
| <b>Comments:</b>           | A SETUP message containing two bearer capabilities supported by the mobile station. |          |
| Field Name                 | Field Value                                                                         | Comments |
| ti                         | TI_02                                                                               |          |
| ccpd                       | '0011'B                                                                             |          |
| mt                         | '00000101'B                                                                         |          |
| bcri                       | par1                                                                                |          |
| bcap1                      | par2                                                                                |          |
| bcap2                      | par3                                                                                |          |
| fie                        | OMIT                                                                                |          |
| pi                         | OMIT                                                                                |          |
| sig                        | OMIT                                                                                |          |
| cgpn                       | OMIT                                                                                |          |
| cgps                       | OMIT                                                                                |          |
| cdpn                       | OMIT                                                                                |          |
| cdps                       | OMIT                                                                                |          |
| llcri                      | OMIT                                                                                |          |
| llcmp1                     | OMIT                                                                                |          |
| llcmp2                     | OMIT                                                                                |          |
| hlcri                      | OMIT                                                                                |          |
| hlcmp1                     | OMIT                                                                                |          |
| hlcmp2                     | OMIT                                                                                |          |
| uu                         | OMIT                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                     |          |

| PDU Constraint Declaration |                                                                                                                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Setup_24                                                                                                                                                                          |          |
| <b>PDU Type:</b>           | SETUP_MT_PDU                                                                                                                                                                      |          |
| <b>Derivation Path:</b>    | Setup_01.                                                                                                                                                                         |          |
| <b>Comments:</b>           | A SETUP message containing full rate bearer capability TSPX_BCa supported by the mobile station, and low layer, high layer compatibility's IE's and facility IE but no signal IE. |          |
| Field Name                 | Field Value                                                                                                                                                                       | Comments |
| bcap1                      | TSPX_BCa                                                                                                                                                                          |          |
| fie                        | facilityIE_39                                                                                                                                                                     |          |
| llcmp1                     | TSPX_LLCmpA                                                                                                                                                                       |          |
| hlcmp1                     | TSPX_HLCmpA                                                                                                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                   |          |

| PDU Constraint Declaration |                                                            |          |
|----------------------------|------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Setup_inv_01                                               |          |
| <b>PDU Type:</b>           | SETUP_MT_PDU                                               |          |
| <b>Derivation Path:</b>    | Setup_01.                                                  |          |
| <b>Comments:</b>           | A SETUP message with ti_f value = 1 as an invalid message. |          |
| Field Name                 | Field Value                                                | Comments |
| ti                         | TI_01                                                      |          |
| bcap1                      | OMIT                                                       |          |
| <b>Detailed Comments:</b>  |                                                            |          |

| PDU Constraint Declaration |                                                    |          |
|----------------------------|----------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Setup_inv_02                                       |          |
| <b>PDU Type:</b>           | SETUP_MT_PDU                                       |          |
| <b>Derivation Path:</b>    | Setup_01.                                          |          |
| <b>Comments:</b>           | An invalid SETUP message with arbitrary spare bits |          |
| Field Name                 | Field Value                                        | Comments |
| bcap1                      | OMIT                                               |          |
| sig                        | Signal_01                                          |          |
| cgpn                       | Cgpn_01                                            |          |
| cgps                       | Cgps_01                                            |          |
| cdpn                       | Cdpn_01                                            |          |
| cdps                       | Cdps_01                                            |          |
| <b>Detailed Comments:</b>  |                                                    |          |

| PDU Constraint Declaration |                                      |          |
|----------------------------|--------------------------------------|----------|
| <b>Constraint Name:</b>    | SMSCB_01(sernum: SERIAL_NUMBER)      |          |
| <b>PDU Type:</b>           | SMSCB_PDU                            |          |
| <b>Derivation Path:</b>    |                                      |          |
| <b>Comments:</b>           | To send a SMSCB message, first block |          |
| Field Name                 | Field Value                          | Comments |
| blocktype                  | Blocktype_01('0000'B, '0'B)          |          |
| serial_number              | sernum                               |          |
| message_id                 | '0000'O                              |          |
| dcs                        | Tpdcs_05                             |          |
| page_param                 | '00010001'B                          |          |
| message_contents           | OC_CodeSMSCBMessage(1, 16)           |          |
| <b>Detailed Comments:</b>  |                                      |          |

| PDU Constraint Declaration |                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SMSCB_02(seqnum, lb: BITSTRING; firstoct: INTEGER; lastoct: INTEGER)           |          |
| <b>PDU Type:</b>           | SMSCB_PDU                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                |          |
| <b>Comments:</b>           | To send a SMSCB message, second to fourth block (depending on sequence number) |          |
| Field Name                 | Field Value                                                                    | Comments |
| blocktype                  | Blocktype_01(seqnum, lb)                                                       |          |
| serial_number              | OMIT                                                                           |          |
| message_id                 | OMIT                                                                           |          |
| dcs                        | OMIT                                                                           |          |
| page_param                 | OMIT                                                                           |          |
| message_contents           | OC_CodeSMSCBMessage(firstoct, lastoct)                                         |          |
| <b>Detailed Comments:</b>  |                                                                                |          |

| PDU Constraint Declaration |                                     |          |
|----------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_01                         |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                        |          |
| <b>Derivation Path:</b>    |                                     |          |
| <b>Comments:</b>           | To match any received SETUP message |          |
| Field Name                 | Field Value                         | Comments |
| ti                         | TI_09                               |          |
| ccpd                       | '0011'B                             |          |
| mt                         | '0?000101'B                         |          |
| bcri                       | *                                   |          |
| bcap1                      | ?                                   |          |
| bcap2                      | *                                   |          |
| fie                        | *                                   |          |
| cgps                       | *                                   |          |
| cdpn                       | ?                                   |          |
| cdps                       | *                                   |          |
| llcri                      | *                                   |          |
| llcmp1                     | *                                   |          |
| llcmp2                     | *                                   |          |
| hlcri                      | *                                   |          |
| hlcmp1                     | *                                   |          |
| hlcmp2                     | *                                   |          |
| uu                         | *                                   |          |
| ssvi                       | *                                   |          |
| clirsup                    | *                                   |          |
| clirinv                    | *                                   |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT        |          |
| <b>Detailed Comments:</b>  |                                     |          |

| PDU Constraint Declaration |                                                                             |          |
|----------------------------|-----------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_02                                                                 |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                |          |
| <b>Derivation Path:</b>    |                                                                             |          |
| <b>Comments:</b>           | To match the received SETUP message which initiates the dual mode services. |          |
| Field Name                 | Field Value                                                                 | Comments |
| ti                         | TI_09                                                                       |          |
| ccpd                       | '0011'B                                                                     |          |
| mt                         | '0?000101'B                                                                 |          |
| bcric                      | ('11010001'B, '11010011'B)                                                  |          |
| bcap1                      | ?                                                                           |          |
| bcap2                      | ?                                                                           |          |
| fi                         | *                                                                           |          |
| cgps                       | *                                                                           |          |
| cdpn                       | ?                                                                           |          |
| cdps                       | *                                                                           |          |
| llcri                      | *                                                                           |          |
| llcmp1                     | *                                                                           |          |
| llcmp2                     | *                                                                           |          |
| hlcri                      | *                                                                           |          |
| hlcmp1                     | *                                                                           |          |
| hlcmp2                     | *                                                                           |          |
| uu                         | *                                                                           |          |
| ssvi                       | *                                                                           |          |
| clirsup                    | *                                                                           |          |
| clirinv                    | *                                                                           |          |
| cccap                      | ?                                                                           |          |
| <b>Detailed Comments:</b>  |                                                                             |          |

| PDU Constraint Declaration |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_03                                                   |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                  |          |
| <b>Derivation Path:</b>    | SetupInd_01.                                                  |          |
| <b>Comments:</b>           | To match received SETUP message in structured procedure tests |          |
| Field Name                 | Field Value                                                   | Comments |
| llcmp1                     | ?                                                             |          |
| hlcmp1                     | ?                                                             |          |
| <b>Detailed Comments:</b>  |                                                               |          |

| PDU Constraint Declaration |                                                                                                                                                                                                   |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B121_300_1                                                                                                                                                                               |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                   |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 21.<br>Combination:<br>Bcap : ITC is UDI<br>LLC: mandatory |          |
| Field Name                 | Field Value                                                                                                                                                                                       | Comments |
| ti                         | TI_09                                                                                                                                                                                             |          |
| ccpd                       | '0011'B                                                                                                                                                                                           |          |
| mt                         | '0?000101'B                                                                                                                                                                                       |          |
| bcric                      | OMIT                                                                                                                                                                                              |          |
| bcap1                      | Bcap_Setup_B121_300_1                                                                                                                                                                             |          |
| bcap2                      | OMIT                                                                                                                                                                                              |          |
| fi                         | *                                                                                                                                                                                                 |          |
| cgps                       | *                                                                                                                                                                                                 |          |
| cdpn                       | ?                                                                                                                                                                                                 |          |
| cdps                       | *                                                                                                                                                                                                 |          |
| llcri                      | OMIT                                                                                                                                                                                              |          |
| llcmp1                     | Llcmp_Setup_B121_300_1                                                                                                                                                                            |          |
| llcmp2                     | OMIT                                                                                                                                                                                              |          |
| hlcri                      | OMIT                                                                                                                                                                                              |          |
| hlcmp1                     | OMIT                                                                                                                                                                                              |          |
| hlcmp2                     | OMIT                                                                                                                                                                                              |          |
| uu                         | *                                                                                                                                                                                                 |          |
| ssvi                       | *                                                                                                                                                                                                 |          |
| clirsup                    | *                                                                                                                                                                                                 |          |
| clirinv                    | *                                                                                                                                                                                                 |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                   |          |

| PDU Constraint Declaration |                                                                                                                                                                                                  |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B121_300_2                                                                                                                                                                              |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                  |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capability, Low Layer Compatibility and High Layer Compatibility IE's for BS 21.<br>Combination:<br>Bcap : ITC is UDI<br>LLC: mandatory |          |
| Field Name                 | Field Value                                                                                                                                                                                      | Comments |
| ti                         | TI_09                                                                                                                                                                                            |          |
| ccpd                       | '0011'B                                                                                                                                                                                          |          |
| mt                         | '0?000101'B                                                                                                                                                                                      |          |
| bcrl                       | OMIT                                                                                                                                                                                             |          |
| bcap1                      | Bcap_Setup_B121_300_2                                                                                                                                                                            |          |
| bcap2                      | OMIT                                                                                                                                                                                             |          |
| fie                        | *                                                                                                                                                                                                |          |
| cgps                       | *                                                                                                                                                                                                |          |
| cdpn                       | ?                                                                                                                                                                                                |          |
| cdps                       | *                                                                                                                                                                                                |          |
| llcri                      | OMIT                                                                                                                                                                                             |          |
| llcmp1                     | Llcmp_Setup_B121_300_2                                                                                                                                                                           |          |
| llcmp2                     | OMIT                                                                                                                                                                                             |          |
| hlcri                      | OMIT                                                                                                                                                                                             |          |
| hlcmp1                     | OMIT                                                                                                                                                                                             |          |
| hlcmp2                     | OMIT                                                                                                                                                                                             |          |
| uu                         | *                                                                                                                                                                                                |          |
| ssvi                       | *                                                                                                                                                                                                |          |
| clirsup                    | *                                                                                                                                                                                                |          |
| clirinv                    | *                                                                                                                                                                                                |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                  |          |

| PDU Constraint Declaration |                                                                                                                                                                                                             |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B122_300_1                                                                                                                                                                                         |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                             |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 21.<br>Combination:<br>Bcap : ITC is 3.1 kHz audio<br>LLC: mandatory |          |
| Field Name                 | Field Value                                                                                                                                                                                                 | Comments |
| ti                         | TI_09                                                                                                                                                                                                       |          |
| ccpd                       | '0011'B                                                                                                                                                                                                     |          |
| mt                         | '0?000101'B                                                                                                                                                                                                 |          |
| bcric                      | OMIT                                                                                                                                                                                                        |          |
| bcap1                      | Bcap_Setup_B122_300_1                                                                                                                                                                                       |          |
| bcap2                      | OMIT                                                                                                                                                                                                        |          |
| fi                         | *                                                                                                                                                                                                           |          |
| cgps                       | *                                                                                                                                                                                                           |          |
| cdpn                       | ?                                                                                                                                                                                                           |          |
| cdps                       | *                                                                                                                                                                                                           |          |
| llcri                      | OMIT                                                                                                                                                                                                        |          |
| llcmp1                     | Llcmp_Setup_B122_300_1                                                                                                                                                                                      |          |
| llcmp2                     | OMIT                                                                                                                                                                                                        |          |
| hlcri                      | OMIT                                                                                                                                                                                                        |          |
| hlcmp1                     | OMIT                                                                                                                                                                                                        |          |
| hlcmp2                     | OMIT                                                                                                                                                                                                        |          |
| uu                         | *                                                                                                                                                                                                           |          |
| ssvi                       | *                                                                                                                                                                                                           |          |
| clirsup                    | *                                                                                                                                                                                                           |          |
| clirinv                    | *                                                                                                                                                                                                           |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                             |          |

| PDU Constraint Declaration |                                                                                                                                                                                                            |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B122_300_2                                                                                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capability, Low Layer Compatibility and High Layer Compatibility IE's for BS 21.<br>Combination:<br>Bcap : ITC is 3.1 kHz audio<br>LLC: mandatory |          |
| Field Name                 | Field Value                                                                                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                                                                                |          |
| bcric                      | OMIT                                                                                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B122_300_2                                                                                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                                                                                       |          |
| fic                        | *                                                                                                                                                                                                          |          |
| cgps                       | *                                                                                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                                                                                          |          |
| cdps                       | *                                                                                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B122_300_2                                                                                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                                                                                       |          |
| uu                         | *                                                                                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                                                                                          |          |
| cccap                      | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                            |          |



| PDU Constraint Declaration |                                                                                                                                                                                                   |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B121_1200_1                                                                                                                                                                              |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                   |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 22.<br>Combination:<br>Bcap : ITC is UDI<br>LLC: mandatory |          |
| Field Name                 | Field Value                                                                                                                                                                                       | Comments |
| ti                         | TI_09                                                                                                                                                                                             |          |
| ccpd                       | '0011'B                                                                                                                                                                                           |          |
| mt                         | '0?000101'B                                                                                                                                                                                       |          |
| bcric                      | OMIT                                                                                                                                                                                              |          |
| bcap1                      | Bcap_Setup_B121_1200_1                                                                                                                                                                            |          |
| bcap2                      | OMIT                                                                                                                                                                                              |          |
| fie                        | *                                                                                                                                                                                                 |          |
| cgps                       | *                                                                                                                                                                                                 |          |
| cdpn                       | ?                                                                                                                                                                                                 |          |
| cdps                       | *                                                                                                                                                                                                 |          |
| llcri                      | OMIT                                                                                                                                                                                              |          |
| llcmp1                     | Llcmp_Setup_B121_1200_1                                                                                                                                                                           |          |
| llcmp2                     | OMIT                                                                                                                                                                                              |          |
| hlcri                      | OMIT                                                                                                                                                                                              |          |
| hlcmp1                     | OMIT                                                                                                                                                                                              |          |
| hlcmp2                     | OMIT                                                                                                                                                                                              |          |
| uu                         | *                                                                                                                                                                                                 |          |
| ssvi                       | *                                                                                                                                                                                                 |          |
| clirsup                    | *                                                                                                                                                                                                 |          |
| clirinv                    | *                                                                                                                                                                                                 |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                   |          |

| PDU Constraint Declaration |                                                                                                                                                                                                  |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B121_1200_2                                                                                                                                                                             |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                  |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capability, Low Layer Compatibility and High Layer Compatibility IE's for BS 22.<br>Combination:<br>Bcap : ITC is UDI<br>LLC: mandatory |          |
| Field Name                 | Field Value                                                                                                                                                                                      | Comments |
| ti                         | TI_09                                                                                                                                                                                            |          |
| ccpd                       | '0011'B                                                                                                                                                                                          |          |
| mt                         | '0?000101'B                                                                                                                                                                                      |          |
| bcri                       | OMIT                                                                                                                                                                                             |          |
| bcap1                      | Bcap_Setup_B121_1200_2                                                                                                                                                                           |          |
| bcap2                      | OMIT                                                                                                                                                                                             |          |
| fie                        | *                                                                                                                                                                                                |          |
| cgps                       | *                                                                                                                                                                                                |          |
| cdpn                       | ?                                                                                                                                                                                                |          |
| cdps                       | *                                                                                                                                                                                                |          |
| llcri                      | OMIT                                                                                                                                                                                             |          |
| llcmp1                     | Llcmp_Setup_B121_1200_2                                                                                                                                                                          |          |
| llcmp2                     | OMIT                                                                                                                                                                                             |          |
| hlcri                      | OMIT                                                                                                                                                                                             |          |
| hlcmp1                     | OMIT                                                                                                                                                                                             |          |
| hlcmp2                     | OMIT                                                                                                                                                                                             |          |
| uu                         | *                                                                                                                                                                                                |          |
| ssvi                       | *                                                                                                                                                                                                |          |
| clirsup                    | *                                                                                                                                                                                                |          |
| clirinv                    | *                                                                                                                                                                                                |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                  |          |

| PDU Constraint Declaration |                                                                                                                                                                                                             |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B122_1200_1                                                                                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                             |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 22.<br>Combination:<br>Bcap : ITC is 3.1 kHz audio<br>LLC: mandatory |          |
| Field Name                 | Field Value                                                                                                                                                                                                 | Comments |
| ti                         | TI_09                                                                                                                                                                                                       |          |
| ccpd                       | '0011'B                                                                                                                                                                                                     |          |
| mt                         | '0?000101'B                                                                                                                                                                                                 |          |
| bcric                      | OMIT                                                                                                                                                                                                        |          |
| bcap1                      | Bcap_Setup_B122_1200_1                                                                                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                                                                                        |          |
| fi                         | *                                                                                                                                                                                                           |          |
| cgps                       | *                                                                                                                                                                                                           |          |
| cdpn                       | ?                                                                                                                                                                                                           |          |
| cdps                       | *                                                                                                                                                                                                           |          |
| llcri                      | OMIT                                                                                                                                                                                                        |          |
| llcmp1                     | Llcmp_Setup_B122_1200_1                                                                                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                                                                                        |          |
| hlcri                      | OMIT                                                                                                                                                                                                        |          |
| hlcmp1                     | OMIT                                                                                                                                                                                                        |          |
| hlcmp2                     | OMIT                                                                                                                                                                                                        |          |
| uu                         | *                                                                                                                                                                                                           |          |
| ssvi                       | *                                                                                                                                                                                                           |          |
| clirsup                    | *                                                                                                                                                                                                           |          |
| clirinv                    | *                                                                                                                                                                                                           |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                             |          |

| PDU Constraint Declaration |                                                                                                                                                                                                            |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B122_1200_2                                                                                                                                                                                       |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capability, Low Layer Compatibility and High Layer Compatibility IE's for BS 22.<br>Combination:<br>Bcap : ITC is 3.1 kHz audio<br>LLC: mandatory |          |
| Field Name                 | Field Value                                                                                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B122_1200_2                                                                                                                                                                                     |          |
| bcap2                      | OMIT                                                                                                                                                                                                       |          |
| fie                        | *                                                                                                                                                                                                          |          |
| cgps                       | *                                                                                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                                                                                          |          |
| cdps                       | *                                                                                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B122_1200_2                                                                                                                                                                                    |          |
| llcmp2                     | OMIT                                                                                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                                                                                       |          |
| uu                         | *                                                                                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                                                                                          |          |
| cccap                      | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                                                                                   |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B121_120075_1                                                                                                                                                                            |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                   |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 23.<br>Combination:<br>Bcap : ITC is UDI<br>LLC: mandatory |          |
| Field Name                 | Field Value                                                                                                                                                                                       | Comments |
| ti                         | TI_09                                                                                                                                                                                             |          |
| ccpd                       | '0011'B                                                                                                                                                                                           |          |
| mt                         | '0?000101'B                                                                                                                                                                                       |          |
| bcric                      | OMIT                                                                                                                                                                                              |          |
| bcap1                      | Bcap_Setup_B121_120075_1                                                                                                                                                                          |          |
| bcap2                      | OMIT                                                                                                                                                                                              |          |
| fie                        | *                                                                                                                                                                                                 |          |
| cgps                       | *                                                                                                                                                                                                 |          |
| cdpn                       | ?                                                                                                                                                                                                 |          |
| cdps                       | *                                                                                                                                                                                                 |          |
| llcri                      | OMIT                                                                                                                                                                                              |          |
| llcmp1                     | Llcmp_Setup_B121_120075_1                                                                                                                                                                         |          |
| llcmp2                     | OMIT                                                                                                                                                                                              |          |
| hlcri                      | OMIT                                                                                                                                                                                              |          |
| hlcmp1                     | OMIT                                                                                                                                                                                              |          |
| hlcmp2                     | OMIT                                                                                                                                                                                              |          |
| uu                         | *                                                                                                                                                                                                 |          |
| ssvi                       | *                                                                                                                                                                                                 |          |
| clirsup                    | *                                                                                                                                                                                                 |          |
| clirinv                    | *                                                                                                                                                                                                 |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                   |          |

| PDU Constraint Declaration |                                                                                                                                                                                                  |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B121_120075_2                                                                                                                                                                           |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                  |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capability, Low Layer Compatibility and High Layer Compatibility IE's for BS 23.<br>Combination:<br>Bcap : ITC is UDI<br>LLC: mandatory |          |
| Field Name                 | Field Value                                                                                                                                                                                      | Comments |
| ti                         | TI_09                                                                                                                                                                                            |          |
| ccpd                       | '0011'B                                                                                                                                                                                          |          |
| mt                         | '0?000101'B                                                                                                                                                                                      |          |
| bcric                      | OMIT                                                                                                                                                                                             |          |
| bcap1                      | Bcap_Setup_B121_120075_2                                                                                                                                                                         |          |
| bcap2                      | OMIT                                                                                                                                                                                             |          |
| fi                         | *                                                                                                                                                                                                |          |
| cgps                       | *                                                                                                                                                                                                |          |
| cdpn                       | ?                                                                                                                                                                                                |          |
| cdps                       | *                                                                                                                                                                                                |          |
| llcri                      | OMIT                                                                                                                                                                                             |          |
| llcmp1                     | Llcmp_Setup_B121_120075_2                                                                                                                                                                        |          |
| llcmp2                     | OMIT                                                                                                                                                                                             |          |
| hlcri                      | OMIT                                                                                                                                                                                             |          |
| hlcmp1                     | OMIT                                                                                                                                                                                             |          |
| hlcmp2                     | OMIT                                                                                                                                                                                             |          |
| uu                         | *                                                                                                                                                                                                |          |
| ssvi                       | *                                                                                                                                                                                                |          |
| clirsup                    | *                                                                                                                                                                                                |          |
| clirinv                    | *                                                                                                                                                                                                |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                  |          |

| PDU Constraint Declaration |                                                                                                                                                                                                             |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B122_120075_1                                                                                                                                                                                      |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                             |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 23.<br>Combination:<br>Bcap : ITC is 3.1 kHz audio<br>LLC: mandatory |          |
| Field Name                 | Field Value                                                                                                                                                                                                 | Comments |
| ti                         | TI_09                                                                                                                                                                                                       |          |
| ccpd                       | '0011'B                                                                                                                                                                                                     |          |
| mt                         | '0?000101'B                                                                                                                                                                                                 |          |
| bcric                      | OMIT                                                                                                                                                                                                        |          |
| bcap1                      | Bcap_Setup_B122_120075_1                                                                                                                                                                                    |          |
| bcap2                      | OMIT                                                                                                                                                                                                        |          |
| fie                        | *                                                                                                                                                                                                           |          |
| cgps                       | *                                                                                                                                                                                                           |          |
| cdpn                       | ?                                                                                                                                                                                                           |          |
| cdps                       | *                                                                                                                                                                                                           |          |
| llcri                      | OMIT                                                                                                                                                                                                        |          |
| llcmp1                     | Llcmp_Setup_B122_120075_1                                                                                                                                                                                   |          |
| llcmp2                     | OMIT                                                                                                                                                                                                        |          |
| hlcri                      | OMIT                                                                                                                                                                                                        |          |
| hlcmp1                     | OMIT                                                                                                                                                                                                        |          |
| hlcmp2                     | OMIT                                                                                                                                                                                                        |          |
| uu                         | *                                                                                                                                                                                                           |          |
| ssvi                       | *                                                                                                                                                                                                           |          |
| clirsup                    | *                                                                                                                                                                                                           |          |
| clirinv                    | *                                                                                                                                                                                                           |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                             |          |

| PDU Constraint Declaration |                                                                                                                                                                                                            |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B122_120075_2                                                                                                                                                                                     |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capability, Low Layer Compatibility and High Layer Compatibility IE's for BS 23.<br>Combination:<br>Bcap : ITC is 3.1 kHz audio<br>LLC: mandatory |          |
| Field Name                 | Field Value                                                                                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                                                                                |          |
| bcrl                       | OMIT                                                                                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B122_120075_2                                                                                                                                                                                   |          |
| bcap2                      | OMIT                                                                                                                                                                                                       |          |
| flc                        | *                                                                                                                                                                                                          |          |
| cgps                       | *                                                                                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                                                                                          |          |
| cdps                       | *                                                                                                                                                                                                          |          |
| llcrl                      | OMIT                                                                                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B122_120075_2                                                                                                                                                                                  |          |
| llcmp2                     | OMIT                                                                                                                                                                                                       |          |
| hlcrl                      | OMIT                                                                                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                                                                                       |          |
| uu                         | *                                                                                                                                                                                                          |          |
| ssvl                       | *                                                                                                                                                                                                          |          |
| clrlsup                    | *                                                                                                                                                                                                          |          |
| clrlinv                    | *                                                                                                                                                                                                          |          |
| cccpl                      | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                            |          |



| PDU Constraint Declaration |                                                                                                                                                                                                   |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B121_2400_1                                                                                                                                                                              |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                   |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 24.<br>Combination:<br>Bcap : ITC is UDI<br>LLC: mandatory |          |
| Field Name                 | Field Value                                                                                                                                                                                       | Comments |
| ti                         | TI_09                                                                                                                                                                                             |          |
| ccpd                       | '0011'B                                                                                                                                                                                           |          |
| mt                         | '0?000101'B                                                                                                                                                                                       |          |
| bcric                      | OMIT                                                                                                                                                                                              |          |
| bcap1                      | Bcap_Setup_B121_2400_1                                                                                                                                                                            |          |
| bcap2                      | OMIT                                                                                                                                                                                              |          |
| fie                        | *                                                                                                                                                                                                 |          |
| cgps                       | *                                                                                                                                                                                                 |          |
| cdpn                       | ?                                                                                                                                                                                                 |          |
| cdps                       | *                                                                                                                                                                                                 |          |
| llcri                      | OMIT                                                                                                                                                                                              |          |
| llcmp1                     | Llcmp_Setup_B121_2400_1                                                                                                                                                                           |          |
| llcmp2                     | OMIT                                                                                                                                                                                              |          |
| hlcri                      | OMIT                                                                                                                                                                                              |          |
| hlcmp1                     | OMIT                                                                                                                                                                                              |          |
| hlcmp2                     | OMIT                                                                                                                                                                                              |          |
| uu                         | *                                                                                                                                                                                                 |          |
| ssvi                       | *                                                                                                                                                                                                 |          |
| clirsup                    | *                                                                                                                                                                                                 |          |
| clirinv                    | *                                                                                                                                                                                                 |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                   |          |

| PDU Constraint Declaration |                                                                                                                                                                                                   |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B121_2400_2                                                                                                                                                                              |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                   |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 24.<br>Combination:<br>Bcap : ITC is UDI<br>LLC: mandatory |          |
| Field Name                 | Field Value                                                                                                                                                                                       | Comments |
| ti                         | TI_09                                                                                                                                                                                             |          |
| ccpd                       | '0011'B                                                                                                                                                                                           |          |
| mt                         | '0?000101'B                                                                                                                                                                                       |          |
| bcric                      | OMIT                                                                                                                                                                                              |          |
| bcap1                      | Bcap_Setup_B121_2400_2                                                                                                                                                                            |          |
| bcap2                      | OMIT                                                                                                                                                                                              |          |
| fie                        | *                                                                                                                                                                                                 |          |
| cgps                       | *                                                                                                                                                                                                 |          |
| cdpn                       | ?                                                                                                                                                                                                 |          |
| cdps                       | *                                                                                                                                                                                                 |          |
| llcri                      | OMIT                                                                                                                                                                                              |          |
| llcmp1                     | Llcmp_Setup_B121_2400_2                                                                                                                                                                           |          |
| llcmp2                     | OMIT                                                                                                                                                                                              |          |
| hlcri                      | OMIT                                                                                                                                                                                              |          |
| hlcmp1                     | OMIT                                                                                                                                                                                              |          |
| hlcmp2                     | OMIT                                                                                                                                                                                              |          |
| uu                         | *                                                                                                                                                                                                 |          |
| ssvi                       | *                                                                                                                                                                                                 |          |
| clirsup                    | *                                                                                                                                                                                                 |          |
| clirinv                    | *                                                                                                                                                                                                 |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                   |          |

| PDU Constraint Declaration |                                                                                                                                                                                                             |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B122_2400_1                                                                                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                             |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 24.<br>Combination:<br>Bcap : ITC is 3.1 kHz audio<br>LLC: mandatory |          |
| Field Name                 | Field Value                                                                                                                                                                                                 | Comments |
| ti                         | TI_09                                                                                                                                                                                                       |          |
| ccpd                       | '0011'B                                                                                                                                                                                                     |          |
| mt                         | '0?000101'B                                                                                                                                                                                                 |          |
| bcric                      | OMIT                                                                                                                                                                                                        |          |
| bcap1                      | Bcap_Setup_B122_2400_1                                                                                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                                                                                        |          |
| fie                        | *                                                                                                                                                                                                           |          |
| cgps                       | *                                                                                                                                                                                                           |          |
| cdpn                       | ?                                                                                                                                                                                                           |          |
| cdps                       | *                                                                                                                                                                                                           |          |
| llcri                      | OMIT                                                                                                                                                                                                        |          |
| llcmp1                     | Llcmp_Setup_B122_2400_1                                                                                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                                                                                        |          |
| hlcri                      | OMIT                                                                                                                                                                                                        |          |
| hlcmp1                     | OMIT                                                                                                                                                                                                        |          |
| hlcmp2                     | OMIT                                                                                                                                                                                                        |          |
| uu                         | *                                                                                                                                                                                                           |          |
| ssvi                       | *                                                                                                                                                                                                           |          |
| clirsup                    | *                                                                                                                                                                                                           |          |
| clirinv                    | *                                                                                                                                                                                                           |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                             |          |

| PDU Constraint Declaration |                                                                                                                                                                                                            |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B122_2400_2                                                                                                                                                                                       |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capability, Low Layer Compatibility and High Layer Compatibility IE's for BS 24.<br>Combination:<br>Bcap : ITC is 3.1 kHz audio<br>LLC: mandatory |          |
| Field Name                 | Field Value                                                                                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                                                                                |          |
| bcric                      | OMIT                                                                                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B122_2400_2                                                                                                                                                                                     |          |
| bcap2                      | OMIT                                                                                                                                                                                                       |          |
| fie                        | *                                                                                                                                                                                                          |          |
| cgps                       | *                                                                                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                                                                                          |          |
| cdps                       | *                                                                                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B122_2400_2                                                                                                                                                                                    |          |
| llcmp2                     | OMIT                                                                                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                                                                                       |          |
| uu                         | *                                                                                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                                                                                   |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B121_4800_1                                                                                                                                                                              |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                   |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 25.<br>Combination:<br>Bcap : ITC is UDI<br>LLC: mandatory |          |
| Field Name                 | Field Value                                                                                                                                                                                       | Comments |
| ti                         | TI_09                                                                                                                                                                                             |          |
| ccpd                       | '0011'B                                                                                                                                                                                           |          |
| mt                         | '0?000101'B                                                                                                                                                                                       |          |
| bcric                      | OMIT                                                                                                                                                                                              |          |
| bcap1                      | Bcap_Setup_B121_4800_1                                                                                                                                                                            |          |
| bcap2                      | OMIT                                                                                                                                                                                              |          |
| fi                         | *                                                                                                                                                                                                 |          |
| cgps                       | *                                                                                                                                                                                                 |          |
| cdpn                       | ?                                                                                                                                                                                                 |          |
| cdps                       | *                                                                                                                                                                                                 |          |
| llcri                      | OMIT                                                                                                                                                                                              |          |
| llcmp1                     | Llcmp_Setup_B121_4800_1                                                                                                                                                                           |          |
| llcmp2                     | OMIT                                                                                                                                                                                              |          |
| hlcri                      | OMIT                                                                                                                                                                                              |          |
| hlcmp1                     | OMIT                                                                                                                                                                                              |          |
| hlcmp2                     | OMIT                                                                                                                                                                                              |          |
| uu                         | *                                                                                                                                                                                                 |          |
| ssvi                       | *                                                                                                                                                                                                 |          |
| clirsup                    | *                                                                                                                                                                                                 |          |
| clirinv                    | *                                                                                                                                                                                                 |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                   |          |

| PDU Constraint Declaration |                                                                                                                                                                                                  |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B121_4800_2                                                                                                                                                                             |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                  |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capability, Low Layer Compatibility and High Layer Compatibility IE's for BS 25.<br>Combination:<br>Bcap : ITC is UDI<br>LLC: mandatory |          |
| Field Name                 | Field Value                                                                                                                                                                                      | Comments |
| ti                         | TI_09                                                                                                                                                                                            |          |
| ccpd                       | '0011'B                                                                                                                                                                                          |          |
| mt                         | '0?000101'B                                                                                                                                                                                      |          |
| bcri                       | OMIT                                                                                                                                                                                             |          |
| bcap1                      | Bcap_Setup_B121_4800_2                                                                                                                                                                           |          |
| bcap2                      | OMIT                                                                                                                                                                                             |          |
| fie                        | *                                                                                                                                                                                                |          |
| cgps                       | *                                                                                                                                                                                                |          |
| cdpn                       | ?                                                                                                                                                                                                |          |
| cdps                       | *                                                                                                                                                                                                |          |
| llcri                      | OMIT                                                                                                                                                                                             |          |
| llcmp1                     | Llcmp_Setup_B121_4800_2                                                                                                                                                                          |          |
| llcmp2                     | OMIT                                                                                                                                                                                             |          |
| hlcri                      | OMIT                                                                                                                                                                                             |          |
| hlcmp1                     | OMIT                                                                                                                                                                                             |          |
| hlcmp2                     | OMIT                                                                                                                                                                                             |          |
| uu                         | *                                                                                                                                                                                                |          |
| ssvi                       | *                                                                                                                                                                                                |          |
| clirsup                    | *                                                                                                                                                                                                |          |
| clirinv                    | *                                                                                                                                                                                                |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                  |          |

| PDU Constraint Declaration |                                                                                                                                                                                                             |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B122_4800_1                                                                                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                             |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 25.<br>Combination:<br>Bcap : ITC is 3.1 kHz audio<br>LLC: mandatory |          |
| Field Name                 | Field Value                                                                                                                                                                                                 | Comments |
| ti                         | TI_09                                                                                                                                                                                                       |          |
| ccpd                       | '0011'B                                                                                                                                                                                                     |          |
| mt                         | '0?000101'B                                                                                                                                                                                                 |          |
| bcric                      | OMIT                                                                                                                                                                                                        |          |
| bcap1                      | Bcap_Setup_B122_4800_1                                                                                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                                                                                        |          |
| fi                         | *                                                                                                                                                                                                           |          |
| cgps                       | *                                                                                                                                                                                                           |          |
| cdpn                       | ?                                                                                                                                                                                                           |          |
| cdps                       | *                                                                                                                                                                                                           |          |
| llcri                      | OMIT                                                                                                                                                                                                        |          |
| llcmp1                     | Llcmp_Setup_B122_4800_1                                                                                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                                                                                        |          |
| hlcri                      | OMIT                                                                                                                                                                                                        |          |
| hlcmp1                     | OMIT                                                                                                                                                                                                        |          |
| hlcmp2                     | OMIT                                                                                                                                                                                                        |          |
| uu                         | *                                                                                                                                                                                                           |          |
| ssvi                       | *                                                                                                                                                                                                           |          |
| clirsup                    | *                                                                                                                                                                                                           |          |
| clirinv                    | *                                                                                                                                                                                                           |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                             |          |

| PDU Constraint Declaration |                                                                                                                                                                                                            |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B122_4800_2                                                                                                                                                                                       |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capability, Low Layer Compatibility and High Layer Compatibility IE's for BS 25.<br>Combination:<br>Bcap : ITC is 3.1 kHz audio<br>LLC: mandatory |          |
| Field Name                 | Field Value                                                                                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                                                                                |          |
| bcrl                       | OMIT                                                                                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B122_4800_2                                                                                                                                                                                     |          |
| bcap2                      | OMIT                                                                                                                                                                                                       |          |
| fi                         | *                                                                                                                                                                                                          |          |
| cgps                       | *                                                                                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                                                                                          |          |
| cdps                       | *                                                                                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B122_4800_2                                                                                                                                                                                    |          |
| llcmp2                     | OMIT                                                                                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                                                                                       |          |
| uu                         | *                                                                                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                            |          |



| PDU Constraint Declaration |                                                                                                                                                                                                   |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B121_9600_1                                                                                                                                                                              |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                   |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 26.<br>Combination:<br>Bcap : ITC is UDI<br>LLC: mandatory |          |
| Field Name                 | Field Value                                                                                                                                                                                       | Comments |
| ti                         | TI_09                                                                                                                                                                                             |          |
| ccpd                       | '0011'B                                                                                                                                                                                           |          |
| mt                         | '0?000101'B                                                                                                                                                                                       |          |
| bcric                      | OMIT                                                                                                                                                                                              |          |
| bcap1                      | Bcap_Setup_B121_9600_1                                                                                                                                                                            |          |
| bcap2                      | OMIT                                                                                                                                                                                              |          |
| fie                        | *                                                                                                                                                                                                 |          |
| cgps                       | *                                                                                                                                                                                                 |          |
| cdpn                       | ?                                                                                                                                                                                                 |          |
| cdps                       | *                                                                                                                                                                                                 |          |
| llcri                      | OMIT                                                                                                                                                                                              |          |
| llcmp1                     | Llcmp_Setup_B121_9600_1                                                                                                                                                                           |          |
| llcmp2                     | OMIT                                                                                                                                                                                              |          |
| hlcri                      | OMIT                                                                                                                                                                                              |          |
| hlcmp1                     | OMIT                                                                                                                                                                                              |          |
| hlcmp2                     | OMIT                                                                                                                                                                                              |          |
| uu                         | *                                                                                                                                                                                                 |          |
| ssvi                       | *                                                                                                                                                                                                 |          |
| clirsup                    | *                                                                                                                                                                                                 |          |
| clirinv                    | *                                                                                                                                                                                                 |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                   |          |

| PDU Constraint Declaration |                                                                                                                                                                                                  |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B121_9600_2                                                                                                                                                                             |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                  |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capability, Low Layer Compatibility and High Layer Compatibility IE's for BS 26.<br>Combination:<br>Bcap : ITC is UDI<br>LLC: mandatory |          |
| Field Name                 | Field Value                                                                                                                                                                                      | Comments |
| ti                         | TI_09                                                                                                                                                                                            |          |
| ccpd                       | '0011'B                                                                                                                                                                                          |          |
| mt                         | '0?000101'B                                                                                                                                                                                      |          |
| bcrl                       | OMIT                                                                                                                                                                                             |          |
| bcap1                      | Bcap_Setup_B121_9600_2                                                                                                                                                                           |          |
| bcap2                      | OMIT                                                                                                                                                                                             |          |
| fie                        | *                                                                                                                                                                                                |          |
| cgps                       | *                                                                                                                                                                                                |          |
| cdpn                       | ?                                                                                                                                                                                                |          |
| cdps                       | *                                                                                                                                                                                                |          |
| llcri                      | OMIT                                                                                                                                                                                             |          |
| llcmp1                     | Llcmp_Setup_B121_9600_2                                                                                                                                                                          |          |
| llcmp2                     | OMIT                                                                                                                                                                                             |          |
| hlcri                      | OMIT                                                                                                                                                                                             |          |
| hlcmp1                     | OMIT                                                                                                                                                                                             |          |
| hlcmp2                     | OMIT                                                                                                                                                                                             |          |
| uu                         | *                                                                                                                                                                                                |          |
| ssvi                       | *                                                                                                                                                                                                |          |
| clirsup                    | *                                                                                                                                                                                                |          |
| clirinv                    | *                                                                                                                                                                                                |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                  |          |

| PDU Constraint Declaration |                                                                                                                                                                                                   |          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B121_9600_3                                                                                                                                                                              |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                   |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 26.<br>Combination:<br>Bcap : ITC is UDI<br>LLC: mandatory |          |
| Field Name                 | Field Value                                                                                                                                                                                       | Comments |
| ti                         | TI_09                                                                                                                                                                                             |          |
| ccpd                       | '0011'B                                                                                                                                                                                           |          |
| mt                         | '0?000101'B                                                                                                                                                                                       |          |
| bcric                      | OMIT                                                                                                                                                                                              |          |
| bcap1                      | Bcap_Setup_B121_9600_3                                                                                                                                                                            |          |
| bcap2                      | OMIT                                                                                                                                                                                              |          |
| fi                         | *                                                                                                                                                                                                 |          |
| cgps                       | *                                                                                                                                                                                                 |          |
| cdpn                       | ?                                                                                                                                                                                                 |          |
| cdps                       | *                                                                                                                                                                                                 |          |
| llcri                      | OMIT                                                                                                                                                                                              |          |
| llcmp1                     | Llcmp_Setup_B121_9600_3                                                                                                                                                                           |          |
| llcmp2                     | OMIT                                                                                                                                                                                              |          |
| hlcri                      | OMIT                                                                                                                                                                                              |          |
| hlcmp1                     | OMIT                                                                                                                                                                                              |          |
| hlcmp2                     | OMIT                                                                                                                                                                                              |          |
| uu                         | *                                                                                                                                                                                                 |          |
| ssvi                       | *                                                                                                                                                                                                 |          |
| clirsup                    | *                                                                                                                                                                                                 |          |
| clirinv                    | *                                                                                                                                                                                                 |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                      |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                   |          |

| PDU Constraint Declaration |                                                                                                                                                                                                  |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B121_9600_4                                                                                                                                                                             |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                     |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                  |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capability, Low Layer Compatibility and High Layer Compatibility IE's for BS 26.<br>Combination:<br>Bcap : ITC is UDI<br>LLC: mandatory |          |
| Field Name                 | Field Value                                                                                                                                                                                      | Comments |
| ti                         | TI_09                                                                                                                                                                                            |          |
| ccpd                       | '0011'B                                                                                                                                                                                          |          |
| mt                         | '0?000101'B                                                                                                                                                                                      |          |
| bcri                       | OMIT                                                                                                                                                                                             |          |
| bcap1                      | Bcap_Setup_B121_9600_4                                                                                                                                                                           |          |
| bcap2                      | OMIT                                                                                                                                                                                             |          |
| fie                        | *                                                                                                                                                                                                |          |
| cgps                       | *                                                                                                                                                                                                |          |
| cdpn                       | ?                                                                                                                                                                                                |          |
| cdps                       | *                                                                                                                                                                                                |          |
| llcri                      | OMIT                                                                                                                                                                                             |          |
| llcmp1                     | Llcmp_Setup_B121_9600_4                                                                                                                                                                          |          |
| llcmp2                     | OMIT                                                                                                                                                                                             |          |
| hlcri                      | OMIT                                                                                                                                                                                             |          |
| hlcmp1                     | OMIT                                                                                                                                                                                             |          |
| hlcmp2                     | OMIT                                                                                                                                                                                             |          |
| uu                         | *                                                                                                                                                                                                |          |
| ssvi                       | *                                                                                                                                                                                                |          |
| clirsup                    | *                                                                                                                                                                                                |          |
| clirinv                    | *                                                                                                                                                                                                |          |
| cccap                      | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                  |          |

| PDU Constraint Declaration |                                                                                                                                                                                                             |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B122_9600_1                                                                                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                             |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 26.<br>Combination:<br>Bcap : ITC is 3.1 kHz audio<br>LLC: mandatory |          |
| Field Name                 | Field Value                                                                                                                                                                                                 | Comments |
| ti                         | TI_09                                                                                                                                                                                                       |          |
| ccpd                       | '0011'B                                                                                                                                                                                                     |          |
| mt                         | '0?000101'B                                                                                                                                                                                                 |          |
| bcric                      | OMIT                                                                                                                                                                                                        |          |
| bcap1                      | Bcap_Setup_B122_9600_1                                                                                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                                                                                        |          |
| fi                         | *                                                                                                                                                                                                           |          |
| cgps                       | *                                                                                                                                                                                                           |          |
| cdpn                       | ?                                                                                                                                                                                                           |          |
| cdps                       | *                                                                                                                                                                                                           |          |
| llcri                      | OMIT                                                                                                                                                                                                        |          |
| llcmp1                     | Llcmp_Setup_B122_9600_1                                                                                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                                                                                        |          |
| hlcri                      | OMIT                                                                                                                                                                                                        |          |
| hlcmp1                     | OMIT                                                                                                                                                                                                        |          |
| hlcmp2                     | OMIT                                                                                                                                                                                                        |          |
| uu                         | *                                                                                                                                                                                                           |          |
| ssvi                       | *                                                                                                                                                                                                           |          |
| clirsup                    | *                                                                                                                                                                                                           |          |
| clirinv                    | *                                                                                                                                                                                                           |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                             |          |

| PDU Constraint Declaration |                                                                                                                                                                                                            |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B122_9600_2                                                                                                                                                                                       |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capability, Low Layer Compatibility and High Layer Compatibility IE's for BS 26.<br>Combination:<br>Bcap : ITC is 3.1 kHz audio<br>LLC: mandatory |          |
| Field Name                 | Field Value                                                                                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                                                                                |          |
| bcric                      | OMIT                                                                                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B122_9600_2                                                                                                                                                                                     |          |
| bcap2                      | OMIT                                                                                                                                                                                                       |          |
| fi                         | *                                                                                                                                                                                                          |          |
| cgps                       | *                                                                                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                                                                                          |          |
| cdps                       | *                                                                                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B122_9600_2                                                                                                                                                                                    |          |
| llcmp2                     | OMIT                                                                                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                                                                                       |          |
| uu                         | *                                                                                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                                                                                             |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B122_9600_3                                                                                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                             |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 26.<br>Combination:<br>Bcap : ITC is 3.1 kHz audio<br>LLC: mandatory |          |
| Field Name                 | Field Value                                                                                                                                                                                                 | Comments |
| ti                         | TI_09                                                                                                                                                                                                       |          |
| ccpd                       | '0011'B                                                                                                                                                                                                     |          |
| mt                         | '0?000101'B                                                                                                                                                                                                 |          |
| bcric                      | OMIT                                                                                                                                                                                                        |          |
| bcap1                      | Bcap_Setup_B122_9600_3                                                                                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                                                                                        |          |
| fi                         | *                                                                                                                                                                                                           |          |
| cgps                       | *                                                                                                                                                                                                           |          |
| cdpn                       | ?                                                                                                                                                                                                           |          |
| cdps                       | *                                                                                                                                                                                                           |          |
| llcri                      | OMIT                                                                                                                                                                                                        |          |
| llcmp1                     | Llcmp_Setup_B122_9600_3                                                                                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                                                                                        |          |
| hlcri                      | OMIT                                                                                                                                                                                                        |          |
| hlcmp1                     | OMIT                                                                                                                                                                                                        |          |
| hlcmp2                     | OMIT                                                                                                                                                                                                        |          |
| uu                         | *                                                                                                                                                                                                           |          |
| ssvi                       | *                                                                                                                                                                                                           |          |
| clirsup                    | *                                                                                                                                                                                                           |          |
| clirinv                    | *                                                                                                                                                                                                           |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                             |          |

| PDU Constraint Declaration |                                                                                                                                                                                                            |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B122_9600_4                                                                                                                                                                                       |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capability, Low Layer Compatibility and High Layer Compatibility IE's for BS 26.<br>Combination:<br>Bcap : ITC is 3.1 kHz audio<br>LLC: mandatory |          |
| Field Name                 | Field Value                                                                                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B122_9600_4                                                                                                                                                                                     |          |
| bcap2                      | OMIT                                                                                                                                                                                                       |          |
| fie                        | *                                                                                                                                                                                                          |          |
| cgps                       | *                                                                                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                                                                                          |          |
| cdps                       | *                                                                                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B122_9600_4                                                                                                                                                                                    |          |
| llcmp2                     | OMIT                                                                                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                                                                                       |          |
| uu                         | *                                                                                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                                                                                          |          |
| cccap                      | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                            |          |



| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B1311_1200                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 31. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B1311_1200                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B1311_1200                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B1321_1200                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 31. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B1321_1200                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B1321_1200                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B1311_2400                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 32. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B1311_2400                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B1311_2400                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B1312_2400                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 32. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B1312_2400                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B1312_2400                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B1321_2400                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 32. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B1321_2400                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B1321_2400                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B1322_2400                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 32. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B1322_2400                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B1322_2400                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B1311_4800                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 33. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B1311_4800                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B1311_4800                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B1312_4800                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 33. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B1312_4800                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B1312_4800                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B1321_4800                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 33. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B1321_4800                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B1321_4800                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B1322_4800                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 33. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B1322_4800                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B1322_4800                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B1311_9600                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 34. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B1311_9600                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B1311_9600                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B1312_9600                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 34. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B1312_9600                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B1312_9600                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B1321_9600                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 34. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B1321_9600                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B1321_9600                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B1322_9600_1                                                                                                                      |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 34. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B1322_9600_1                                                                                                                    |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B1322_9600_1                                                                                                                   |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B1322_9600_2                                                                                                                      |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 34. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B1322_9600_2                                                                                                                    |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B1322_9600_2                                                                                                                   |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B14_300_1                                                                                                                         |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 41. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B14_300_1                                                                                                                       |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B14_300_1                                                                                                                      |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |



| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B14_300_2                                                                                                                         |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 41. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B14_300_2                                                                                                                       |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B14_300_2                                                                                                                      |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B14_1200_1                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 42. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B14_1200_1                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B14_1200_1                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B14_1200_2                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 42. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B14_1200_2                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B14_1200_2                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B14_120075_1                                                                                                                      |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 43. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B14_120075_1                                                                                                                    |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B14_120075_1                                                                                                                   |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B14_120075_2                                                                                                                      |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 43. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B14_120075_2                                                                                                                    |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B14_120075_2                                                                                                                   |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B14_2400_1                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 44. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B14_2400_1                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B14_2400_1                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B14_2400_2                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 44. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B14_2400_2                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B14_2400_2                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B14_4800_1                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 45. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B14_4800_1                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B14_4800_1                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B14_4800_2                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 45. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B14_4800_2                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B14_4800_2                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B14_9600_1                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 46. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B14_9600_1                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B14_9600_1                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B14_9600_2                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 46. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B14_9600_2                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B14_9600_2                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B14_9600_3                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 46. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B14_9600_3                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B14_9600_3                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B14_9600_4                                                                                                                        |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 46. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B14_9600_4                                                                                                                      |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B14_9600_4                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B15_2400                                                                                                                          |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 51. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B15_2400                                                                                                                        |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B15_2400                                                                                                                       |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B15_4800                                                                                                                          |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 52. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B15_4800                                                                                                                        |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B15_4800                                                                                                                       |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_B15_9600                                                                                                                          |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 53. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | OMIT                                                                                                                                       |          |
| bcap1                      | Bcap_Setup_B15_9600                                                                                                                        |          |
| bcap2                      | OMIT                                                                                                                                       |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | OMIT                                                                                                                                       |          |
| llcmp1                     | Llcmp_Setup_B15_9600                                                                                                                       |          |
| llcmp2                     | OMIT                                                                                                                                       |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |



| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS61_B161_B1621_300_1                                                                                                             |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 61. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | '11010001'B                                                                                                                                |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                            |          |
| bcap2                      | Bcap_Setup_B1621_300_1                                                                                                                     |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | '11010001'B                                                                                                                                |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                        |          |
| llcmp2                     | Llcmp_Setup_B1621_300_1                                                                                                                    |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS61_B161_B1621_300_2                                                                                                             |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 61. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | '11010001'B                                                                                                                                |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                            |          |
| bcap2                      | Bcap_Setup_B1621_300_2                                                                                                                     |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | '11010001'B                                                                                                                                |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                        |          |
| llcmp2                     | Llcmp_Setup_B1621_300_2                                                                                                                    |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS61_B161_B1621_1200_1                                                                                                            |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 61. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | '11010001'B                                                                                                                                |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                            |          |
| bcap2                      | Bcap_Setup_B1621_1200_1                                                                                                                    |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | '11010001'B                                                                                                                                |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                        |          |
| llcmp2                     | Llcmp_Setup_B1621_1200_1                                                                                                                   |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS61_B161_B1621_1200_2                                                                                                            |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 61. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | '11010001'B                                                                                                                                |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                            |          |
| bcap2                      | Bcap_Setup_B1621_1200_2                                                                                                                    |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | '11010001'B                                                                                                                                |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                        |          |
| llcmp2                     | Llcmp_Setup_B1621_1200_2                                                                                                                   |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS61_B161_B1621_120075_1                                                                                                          |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 61. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | '11010001'B                                                                                                                                |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                            |          |
| bcap2                      | Bcap_Setup_B1621_120075_1                                                                                                                  |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | '11010001'B                                                                                                                                |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                        |          |
| llcmp2                     | Llcmp_Setup_B1621_120075_1                                                                                                                 |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS61_B161_B1621_120075_2                                                                                                          |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 61. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | '11010001'B                                                                                                                                |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                            |          |
| bcap2                      | Bcap_Setup_B1621_120075_2                                                                                                                  |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | '11010001'B                                                                                                                                |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                        |          |
| llcmp2                     | Llcmp_Setup_B1621_120075_2                                                                                                                 |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS61_B161_B1621_2400_1                                                                                                            |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 61. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | '11010001'B                                                                                                                                |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                            |          |
| bcap2                      | Bcap_Setup_B1621_2400_1                                                                                                                    |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | '11010001'B                                                                                                                                |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                        |          |
| llcmp2                     | Llcmp_Setup_B1621_2400_1                                                                                                                   |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS61_B161_B1621_2400_2                                                                                                            |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 61. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | '11010001'B                                                                                                                                |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                            |          |
| bcap2                      | Bcap_Setup_B1621_2400_2                                                                                                                    |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | '11010001'B                                                                                                                                |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                        |          |
| llcmp2                     | Llcmp_Setup_B1621_2400_2                                                                                                                   |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS61_B161_B1621_4800_1                                                                                                            |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 61. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | '11010001'B                                                                                                                                |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                            |          |
| bcap2                      | Bcap_Setup_B1621_4800_1                                                                                                                    |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | '11010001'B                                                                                                                                |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                        |          |
| llcmp2                     | Llcmp_Setup_B1621_4800_1                                                                                                                   |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS61_B161_B1621_4800_2                                                                                                            |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 61. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | '11010001'B                                                                                                                                |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                            |          |
| bcap2                      | Bcap_Setup_B1621_4800_2                                                                                                                    |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | '11010001'B                                                                                                                                |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                        |          |
| llcmp2                     | Llcmp_Setup_B1621_4800_2                                                                                                                   |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS61_B161_B1621_9600_1                                                                                                           |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                                                           |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capability, Low Layer Compatibility and High Layer Compatibility IE's for BS 61. |          |
| Field Name                 | Field Value                                                                                                                               | Comments |
| ti                         | TI_09                                                                                                                                     |          |
| ccpd                       | '0011'B                                                                                                                                   |          |
| mt                         | '0?000101'B                                                                                                                               |          |
| bcri                       | '11010001'B                                                                                                                               |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                           |          |
| bcap2                      | Bcap_Setup_B1621_9600_1                                                                                                                   |          |
| fie                        | *                                                                                                                                         |          |
| cgps                       | *                                                                                                                                         |          |
| cdpn                       | ?                                                                                                                                         |          |
| cdps                       | *                                                                                                                                         |          |
| llcri                      | '11010001'B                                                                                                                               |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                       |          |
| llcmp2                     | Llcmp_Setup_B1621_9600_1                                                                                                                  |          |
| hlcri                      | OMIT                                                                                                                                      |          |
| hlcmp1                     | OMIT                                                                                                                                      |          |
| hlcmp2                     | OMIT                                                                                                                                      |          |
| uu                         | *                                                                                                                                         |          |
| ssvi                       | *                                                                                                                                         |          |
| clirsup                    | *                                                                                                                                         |          |
| clirinv                    | *                                                                                                                                         |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                                                                           |          |

| PDU Constraint Declaration |                                                                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS61_B161_B1621_9600_2                                                                                                           |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                                                           |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capability, Low Layer Compatibility and High Layer Compatibility IE's for BS 61. |          |
| Field Name                 | Field Value                                                                                                                               | Comments |
| ti                         | TI_09                                                                                                                                     |          |
| ccpd                       | '0011'B                                                                                                                                   |          |
| mt                         | '0?000101'B                                                                                                                               |          |
| bcri                       | '11010001'B                                                                                                                               |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                           |          |
| bcap2                      | Bcap_Setup_B1621_9600_2                                                                                                                   |          |
| fie                        | *                                                                                                                                         |          |
| cgps                       | *                                                                                                                                         |          |
| cdpn                       | ?                                                                                                                                         |          |
| cdps                       | *                                                                                                                                         |          |
| llcri                      | '11010001'B                                                                                                                               |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                       |          |
| llcmp2                     | Llcmp_Setup_B1621_9600_2                                                                                                                  |          |
| hlcri                      | OMIT                                                                                                                                      |          |
| hlcmp1                     | OMIT                                                                                                                                      |          |
| hlcmp2                     | OMIT                                                                                                                                      |          |
| uu                         | *                                                                                                                                         |          |
| ssvi                       | *                                                                                                                                         |          |
| clirsup                    | *                                                                                                                                         |          |
| clirinv                    | *                                                                                                                                         |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                                                                           |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS61_B161_B1622_1200                                                                                                              |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 61. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | '11010001'B                                                                                                                                |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                            |          |
| bcap2                      | Bcap_Setup_B1622_1200                                                                                                                      |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | '11010001'B                                                                                                                                |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                        |          |
| llcmp2                     | Llcmp_Setup_B1622_1200                                                                                                                     |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS61_B161_B1622_2400                                                                                                              |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 61. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | '11010001'B                                                                                                                                |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                            |          |
| bcap2                      | Bcap_Setup_B1622_2400                                                                                                                      |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | '11010001'B                                                                                                                                |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                        |          |
| llcmp2                     | Llcmp_Setup_B1622_2400                                                                                                                     |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS61_B161_B1622_4800                                                                                                              |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 61. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | '11010001'B                                                                                                                                |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                            |          |
| bcap2                      | Bcap_Setup_B1622_4800                                                                                                                      |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | '11010001'B                                                                                                                                |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                        |          |
| llcmp2                     | Llcmp_Setup_B1622_4800                                                                                                                     |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS61_B161_B1622_9600                                                                                                              |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 61. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | '11010001'B                                                                                                                                |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                            |          |
| bcap2                      | Bcap_Setup_B1622_9600                                                                                                                      |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | '11010001'B                                                                                                                                |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                        |          |
| llcmp2                     | Llcmp_Setup_B1622_9600                                                                                                                     |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |



| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS81_B161_B1621_300_1                                                                                                             |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 81. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | '11010011'B                                                                                                                                |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                            |          |
| bcap2                      | Bcap_Setup_B1621_300_1                                                                                                                     |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | '11010011'B                                                                                                                                |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                        |          |
| llcmp2                     | Llcmp_Setup_B1621_300_1                                                                                                                    |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS81_B161_B1621_300_2                                                                                                             |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 81. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | '11010011'B                                                                                                                                |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                            |          |
| bcap2                      | Bcap_Setup_B1621_300_2                                                                                                                     |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | '11010011'B                                                                                                                                |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                        |          |
| llcmp2                     | Llcmp_Setup_B1621_300_2                                                                                                                    |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS81_B161_B1621_1200_1                                                                                                           |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                                                           |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capability, Low Layer Compatibility and High Layer Compatibility IE's for BS 81. |          |
| Field Name                 | Field Value                                                                                                                               | Comments |
| ti                         | TI_09                                                                                                                                     |          |
| ccpd                       | '0011'B                                                                                                                                   |          |
| mt                         | '0?000101'B                                                                                                                               |          |
| bcri                       | '11010011'B                                                                                                                               |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                           |          |
| bcap2                      | Bcap_Setup_B1621_1200_1                                                                                                                   |          |
| fie                        | *                                                                                                                                         |          |
| cgps                       | *                                                                                                                                         |          |
| cdpn                       | ?                                                                                                                                         |          |
| cdps                       | *                                                                                                                                         |          |
| llcri                      | '11010011'B                                                                                                                               |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                       |          |
| llcmp2                     | Llcmp_Setup_B1621_1200_1                                                                                                                  |          |
| hlcri                      | OMIT                                                                                                                                      |          |
| hlcmp1                     | OMIT                                                                                                                                      |          |
| hlcmp2                     | OMIT                                                                                                                                      |          |
| uu                         | *                                                                                                                                         |          |
| ssvi                       | *                                                                                                                                         |          |
| clirsup                    | *                                                                                                                                         |          |
| clirinv                    | *                                                                                                                                         |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                                                                           |          |

| PDU Constraint Declaration |                                                                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS81_B161_B1621_1200_2                                                                                                           |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                                                           |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capability, Low Layer Compatibility and High Layer Compatibility IE's for BS 81. |          |
| Field Name                 | Field Value                                                                                                                               | Comments |
| ti                         | TI_09                                                                                                                                     |          |
| ccpd                       | '0011'B                                                                                                                                   |          |
| mt                         | '0?000101'B                                                                                                                               |          |
| bcri                       | '11010011'B                                                                                                                               |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                           |          |
| bcap2                      | Bcap_Setup_B1621_1200_2                                                                                                                   |          |
| fie                        | *                                                                                                                                         |          |
| cgps                       | *                                                                                                                                         |          |
| cdpn                       | ?                                                                                                                                         |          |
| cdps                       | *                                                                                                                                         |          |
| llcri                      | '11010011'B                                                                                                                               |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                       |          |
| llcmp2                     | Llcmp_Setup_B1621_1200_2                                                                                                                  |          |
| hlcri                      | OMIT                                                                                                                                      |          |
| hlcmp1                     | OMIT                                                                                                                                      |          |
| hlcmp2                     | OMIT                                                                                                                                      |          |
| uu                         | *                                                                                                                                         |          |
| ssvi                       | *                                                                                                                                         |          |
| clirsup                    | *                                                                                                                                         |          |
| clirinv                    | *                                                                                                                                         |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                                                                           |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS81_B161_B1621_120075_1                                                                                                          |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 81. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | '11010011'B                                                                                                                                |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                            |          |
| bcap2                      | Bcap_Setup_B1621_120075_1                                                                                                                  |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | '11010011'B                                                                                                                                |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                        |          |
| llcmp2                     | Llcmp_Setup_B1621_120075_1                                                                                                                 |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS81_B161_B1621_120075_2                                                                                                          |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 81. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | '11010011'B                                                                                                                                |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                            |          |
| bcap2                      | Bcap_Setup_B1621_120075_2                                                                                                                  |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | '11010011'B                                                                                                                                |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                        |          |
| llcmp2                     | Llcmp_Setup_B1621_120075_2                                                                                                                 |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS81_B161_B1621_2400_1                                                                                                            |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 81. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | '11010011'B                                                                                                                                |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                            |          |
| bcap2                      | Bcap_Setup_B1621_2400_1                                                                                                                    |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | '11010011'B                                                                                                                                |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                        |          |
| llcmp2                     | Llcmp_Setup_B1621_2400_1                                                                                                                   |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS81_B161_B1621_2400_2                                                                                                            |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 81. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | '11010011'B                                                                                                                                |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                            |          |
| bcap2                      | Bcap_Setup_B1621_2400_2                                                                                                                    |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | '11010011'B                                                                                                                                |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                        |          |
| llcmp2                     | Llcmp_Setup_B1621_2400_2                                                                                                                   |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS81_B161_B1621_4800_1                                                                                                            |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 81. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | '11010011'B                                                                                                                                |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                            |          |
| bcap2                      | Bcap_Setup_B1621_4800_1                                                                                                                    |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | '11010011'B                                                                                                                                |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                        |          |
| llcmp2                     | Llcmp_Setup_B1621_4800_1                                                                                                                   |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS81_B161_B1621_4800_2                                                                                                            |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 81. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | '11010011'B                                                                                                                                |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                            |          |
| bcap2                      | Bcap_Setup_B1621_4800_2                                                                                                                    |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | '11010011'B                                                                                                                                |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                        |          |
| llcmp2                     | Llcmp_Setup_B1621_4800_2                                                                                                                   |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS81_B161_B1621_9600_1                                                                                                            |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 81. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | '11010011'B                                                                                                                                |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                            |          |
| bcap2                      | Bcap_Setup_B1621_9600_1                                                                                                                    |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | '11010011'B                                                                                                                                |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                        |          |
| llcmp2                     | Llcmp_Setup_B1621_9600_1                                                                                                                   |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS81_B161_B1621_9600_2                                                                                                            |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 81. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | '11010011'B                                                                                                                                |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                            |          |
| bcap2                      | Bcap_Setup_B1621_9600_2                                                                                                                    |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | '11010011'B                                                                                                                                |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                        |          |
| llcmp2                     | Llcmp_Setup_B1621_9600_2                                                                                                                   |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS81_B161_B1622_1200                                                                                                              |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 81. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | '11010011'B                                                                                                                                |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                            |          |
| bcap2                      | Bcap_Setup_B1622_1200                                                                                                                      |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | '11010011'B                                                                                                                                |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                        |          |
| llcmp2                     | Llcmp_Setup_B1622_1200                                                                                                                     |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                            |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS81_B161_B1622_2400                                                                                                              |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                               |          |
| <b>Derivation Path:</b>    |                                                                                                                                            |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for BS 81. |          |
| Field Name                 | Field Value                                                                                                                                | Comments |
| ti                         | TI_09                                                                                                                                      |          |
| ccpd                       | '0011'B                                                                                                                                    |          |
| mt                         | '0?000101'B                                                                                                                                |          |
| bcri                       | '11010011'B                                                                                                                                |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                            |          |
| bcap2                      | Bcap_Setup_B1622_2400                                                                                                                      |          |
| fie                        | *                                                                                                                                          |          |
| cgps                       | *                                                                                                                                          |          |
| cdpn                       | ?                                                                                                                                          |          |
| cdps                       | *                                                                                                                                          |          |
| llcri                      | '11010011'B                                                                                                                                |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                        |          |
| llcmp2                     | Llcmp_Setup_B1622_2400                                                                                                                     |          |
| hlcri                      | OMIT                                                                                                                                       |          |
| hlcmp1                     | OMIT                                                                                                                                       |          |
| hlcmp2                     | OMIT                                                                                                                                       |          |
| uu                         | *                                                                                                                                          |          |
| ssvi                       | *                                                                                                                                          |          |
| clirsup                    | *                                                                                                                                          |          |
| clirinv                    | *                                                                                                                                          |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                               |          |
| <b>Detailed Comments:</b>  |                                                                                                                                            |          |

| PDU Constraint Declaration |                                                                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS81_B161_B1622_4800                                                                                                             |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                                                           |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capability, Low Layer Compatibility and High Layer Compatibility IE's for BS 81. |          |
| Field Name                 | Field Value                                                                                                                               | Comments |
| ti                         | TI_09                                                                                                                                     |          |
| ccpd                       | '0011'B                                                                                                                                   |          |
| mt                         | '0?000101'B                                                                                                                               |          |
| bcri                       | '11010011'B                                                                                                                               |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                           |          |
| bcap2                      | Bcap_Setup_B1622_4800                                                                                                                     |          |
| fie                        | *                                                                                                                                         |          |
| cgps                       | *                                                                                                                                         |          |
| cdpn                       | ?                                                                                                                                         |          |
| cdps                       | *                                                                                                                                         |          |
| llcri                      | '11010011'B                                                                                                                               |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                       |          |
| llcmp2                     | Llcmp_Setup_B1622_4800                                                                                                                    |          |
| hlcri                      | OMIT                                                                                                                                      |          |
| hlcmp1                     | OMIT                                                                                                                                      |          |
| hlcmp2                     | OMIT                                                                                                                                      |          |
| uu                         | *                                                                                                                                         |          |
| ssvi                       | *                                                                                                                                         |          |
| clirsup                    | *                                                                                                                                         |          |
| clirinv                    | *                                                                                                                                         |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                                                                           |          |

| PDU Constraint Declaration |                                                                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_BS81_B161_B1622_9600                                                                                                             |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                                                           |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capability, Low Layer Compatibility and High Layer Compatibility IE's for BS 81. |          |
| Field Name                 | Field Value                                                                                                                               | Comments |
| ti                         | TI_09                                                                                                                                     |          |
| ccpd                       | '0011'B                                                                                                                                   |          |
| mt                         | '0?000101'B                                                                                                                               |          |
| bcri                       | '11010011'B                                                                                                                               |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                           |          |
| bcap2                      | Bcap_Setup_B1622_9600                                                                                                                     |          |
| fie                        | *                                                                                                                                         |          |
| cgps                       | *                                                                                                                                         |          |
| cdpn                       | ?                                                                                                                                         |          |
| cdps                       | *                                                                                                                                         |          |
| llcri                      | '11010011'B                                                                                                                               |          |
| llcmp1                     | Llcmp_NotApplicable                                                                                                                       |          |
| llcmp2                     | Llcmp_Setup_B1622_9600                                                                                                                    |          |
| hlcri                      | OMIT                                                                                                                                      |          |
| hlcmp1                     | OMIT                                                                                                                                      |          |
| hlcmp2                     | OMIT                                                                                                                                      |          |
| uu                         | *                                                                                                                                         |          |
| ssvi                       | *                                                                                                                                         |          |
| clirsup                    | *                                                                                                                                         |          |
| clirinv                    | *                                                                                                                                         |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                                                                           |          |



| PDU Constraint Declaration |                                                                                                                                                    |          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_TS11_12                                                                                                                                   |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                                                                                    |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for TSs 11 and 12. |          |
| Field Name                 | Field Value                                                                                                                                        | Comments |
| ti                         | TI_09                                                                                                                                              |          |
| ccpd                       | '0011'B                                                                                                                                            |          |
| mt                         | '0?000101'B                                                                                                                                        |          |
| bcri                       | OMIT                                                                                                                                               |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                                    |          |
| bcap2                      | OMIT                                                                                                                                               |          |
| fie                        | *                                                                                                                                                  |          |
| cgps                       | *                                                                                                                                                  |          |
| cdpn                       | ?                                                                                                                                                  |          |
| cdps                       | *                                                                                                                                                  |          |
| llcri                      | OMIT                                                                                                                                               |          |
| llcmp1                     | Llcmp_NotApplicable IF_PRESENT                                                                                                                     |          |
| llcmp2                     | OMIT                                                                                                                                               |          |
| hlcri                      | OMIT                                                                                                                                               |          |
| hlcmp1                     | Hlcmp_Setup_TS11_12                                                                                                                                |          |
| hlcmp2                     | OMIT                                                                                                                                               |          |
| uu                         | *                                                                                                                                                  |          |
| ssvi                       | *                                                                                                                                                  |          |
| clirsup                    | *                                                                                                                                                  |          |
| clirinv                    | *                                                                                                                                                  |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                                       |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                    |          |

| PDU Constraint Declaration |                                                                                                                                                                                                                                                      |          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_TS61_1                                                                                                                                                                                                                                      |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                      |          |
| <b>Comments:</b>           | <p>To match the setup PDU from the MS containing the Bearer Capability, Low Layer Compatibility and High Layer Compatibility IE's for TS 61.</p> <p>First possible combination:</p> <p>BC RI: circular</p> <p>Bcap1: Speech</p> <p>Bcap2: Fax G3</p> |          |
| Field Name                 | Field Value                                                                                                                                                                                                                                          | Comments |
| ti                         | TI_09                                                                                                                                                                                                                                                |          |
| ccpd                       | '0011'B                                                                                                                                                                                                                                              |          |
| mt                         | '0?000101'B                                                                                                                                                                                                                                          |          |
| bcri                       | '11010001'B                                                                                                                                                                                                                                          |          |
| bcap1                      | Bcap_Setup_B161                                                                                                                                                                                                                                      |          |
| bcap2                      | (Bcap_Setup_B1102_1,<br>Bcap_Setup_B1102_2,<br>Bcap_Setup_B1102_3)                                                                                                                                                                                   |          |
| fie                        | *                                                                                                                                                                                                                                                    |          |
| cgps                       | *                                                                                                                                                                                                                                                    |          |
| cdpn                       | ?                                                                                                                                                                                                                                                    |          |
| cdps                       | *                                                                                                                                                                                                                                                    |          |
| llcri                      | OMIT                                                                                                                                                                                                                                                 |          |
| llcmp1                     | Llcmp_NotApplicable IF_PRESENT                                                                                                                                                                                                                       |          |
| llcmp2                     | OMIT                                                                                                                                                                                                                                                 |          |
| hlcri                      | '11010001'B                                                                                                                                                                                                                                          |          |
| hlcmp1                     | Hlcmp_NotApplicable                                                                                                                                                                                                                                  |          |
| hlcmp2                     | Hlcmp_Setup_TS61                                                                                                                                                                                                                                     |          |
| uu                         | *                                                                                                                                                                                                                                                    |          |
| ssvi                       | *                                                                                                                                                                                                                                                    |          |
| clirsup                    | *                                                                                                                                                                                                                                                    |          |
| clirinv                    | *                                                                                                                                                                                                                                                    |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                                                                         |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                                      |          |

| PDU Constraint Declaration |                                                                                                                                                                                                                                |          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_TS61_2                                                                                                                                                                                                                |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                                                                                                                   |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capabiility, Low Layer Compatibility and High Layer Compatibility IE's for TS 61.<br>First possible combination:<br>BC RI: circular<br>Bcap1: Fax G3<br>Bcap2: Speech |          |
| Field Name                 | Field Value                                                                                                                                                                                                                    | Comments |
| ti                         | TI_09                                                                                                                                                                                                                          |          |
| ccpd                       | '0011'B                                                                                                                                                                                                                        |          |
| mt                         | '0?000101'B                                                                                                                                                                                                                    |          |
| bcri                       | '11010001'B                                                                                                                                                                                                                    |          |
| bcap1                      | (Bcap_Setup_B1102_1,<br>Bcap_Setup_B1102_2,<br>Bcap_Setup_B1102_3)                                                                                                                                                             |          |
| bcap2                      | Bcap_Setup_B161                                                                                                                                                                                                                |          |
| fie                        | *                                                                                                                                                                                                                              |          |
| cgps                       | *                                                                                                                                                                                                                              |          |
| cdpn                       | ?                                                                                                                                                                                                                              |          |
| cdps                       | *                                                                                                                                                                                                                              |          |
| llcri                      | OMIT                                                                                                                                                                                                                           |          |
| llcmp1                     | Llcmp_NotApplicable IF_PRESENT                                                                                                                                                                                                 |          |
| llcmp2                     | OMIT                                                                                                                                                                                                                           |          |
| hlcri                      | '11010001'B IF_PRESENT                                                                                                                                                                                                         |          |
| hlcmp1                     | Hlcmp_Setup_TS61                                                                                                                                                                                                               |          |
| hlcmp2                     | Hlcmp_NotApplicable IF_PRESENT                                                                                                                                                                                                 |          |
| uu                         | *                                                                                                                                                                                                                              |          |
| ssvi                       | *                                                                                                                                                                                                                              |          |
| clirsup                    | *                                                                                                                                                                                                                              |          |
| clirinv                    | *                                                                                                                                                                                                                              |          |
| cccacp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                                                                                                                   |          |
| <b>Detailed Comments:</b>  |                                                                                                                                                                                                                                |          |

| PDU Constraint Declaration |                                                                                                                                           |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SetupInd_TS62                                                                                                                             |          |
| <b>PDU Type:</b>           | SETUP_MO_PDU                                                                                                                              |          |
| <b>Derivation Path:</b>    |                                                                                                                                           |          |
| <b>Comments:</b>           | To match the setup PDU from the MS containing the Bearer Capability, Low Layer Compatibility and High Layer Compatibility IE's for TS 62. |          |
| Field Name                 | Field Value                                                                                                                               | Comments |
| ti                         | TI_09                                                                                                                                     |          |
| ccpd                       | '0011'B                                                                                                                                   |          |
| mt                         | '0?000101'B                                                                                                                               |          |
| bcri                       | OMIT                                                                                                                                      |          |
| bcap1                      | (Bcap_Setup_B1102_1,<br>Bcap_Setup_B1102_2,<br>Bcap_Setup_B1102_3)                                                                        |          |
| bcap2                      | OMIT                                                                                                                                      |          |
| fie                        | *                                                                                                                                         |          |
| cgps                       | *                                                                                                                                         |          |
| cdpn                       | ?                                                                                                                                         |          |
| cdps                       | *                                                                                                                                         |          |
| llcri                      | OMIT                                                                                                                                      |          |
| llcmp1                     | Llcmp_NotApplicable IF_PRESENT                                                                                                            |          |
| llcmp2                     | OMIT                                                                                                                                      |          |
| hlcri                      | OMIT                                                                                                                                      |          |
| hlcmp1                     | Hlcmp_Setup_TS62                                                                                                                          |          |
| hlcmp2                     | OMIT                                                                                                                                      |          |
| uu                         | *                                                                                                                                         |          |
| ssvi                       | *                                                                                                                                         |          |
| clirsup                    | *                                                                                                                                         |          |
| clirinv                    | *                                                                                                                                         |          |
| cccapp                     | TSPX_CallCntrlCap IF_PRESENT                                                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                                                                           |          |

| PDU Constraint Declaration |                                          |          |
|----------------------------|------------------------------------------|----------|
| <b>Constraint Name:</b>    | StartDtmf_01(Ti:TI; character:IA5String) |          |
| <b>PDU Type:</b>           | START_DTMF_PDU                           |          |
| <b>Derivation Path:</b>    |                                          |          |
| <b>Comments:</b>           |                                          |          |
| Field Name                 | Field Value                              | Comments |
| ti                         | Ti                                       |          |
| ccpd                       | '0011'B                                  |          |
| mt                         | '0?110101'B                              |          |
| kpf                        | KeyPad_01(character)                     |          |
| <b>Detailed Comments:</b>  |                                          |          |

| PDU Constraint Declaration |                     |          |
|----------------------------|---------------------|----------|
| <b>Constraint Name:</b>    | StartDtmf_02(Ti:TI) |          |
| <b>PDU Type:</b>           | START_DTMF_PDU      |          |
| <b>Derivation Path:</b>    |                     |          |
| <b>Comments:</b>           |                     |          |
| Field Name                 | Field Value         | Comments |
| ti                         | Ti                  |          |
| ccpd                       | '0011'B             |          |
| mt                         | '0?110101'B         |          |
| kpf                        | KeyPad_02           |          |
| <b>Detailed Comments:</b>  |                     |          |

| PDU Constraint Declaration |                                             |          |
|----------------------------|---------------------------------------------|----------|
| <b>Constraint Name:</b>    | StartDtmfAck_01(Ti:TI; character:IA5String) |          |
| <b>PDU Type:</b>           | START_DTMF_ACK_PDU                          |          |
| <b>Derivation Path:</b>    |                                             |          |
| <b>Comments:</b>           |                                             |          |
| Field Name                 | Field Value                                 | Comments |
| ti                         | Ti                                          |          |
| ccpd                       | '0011'B                                     |          |
| mt                         | '00110110'B                                 |          |
| kpf                        | KeyPad_01(character)                        |          |
| <b>Detailed Comments:</b>  |                                             |          |

| PDU Constraint Declaration |                        |          |
|----------------------------|------------------------|----------|
| <b>Constraint Name:</b>    | StartDtmfRej_01(Ti:TI) |          |
| <b>PDU Type:</b>           | START_DTMF_REJ_PDU     |          |
| <b>Derivation Path:</b>    |                        |          |
| <b>Comments:</b>           |                        |          |
| Field Name                 | Field Value            | Comments |
| ti                         | Ti                     |          |
| ccpd                       | '0011'B                |          |
| mt                         | '00110111'B            |          |
| cau                        | Cause_15               |          |
| <b>Detailed Comments:</b>  |                        |          |

| PDU Constraint Declaration |                    |          |
|----------------------------|--------------------|----------|
| <b>Constraint Name:</b>    | StopDtmf_01(Ti:TI) |          |
| <b>PDU Type:</b>           | STOP_DTMF_PDU      |          |
| <b>Derivation Path:</b>    |                    |          |
| <b>Comments:</b>           |                    |          |
| Field Name                 | Field Value        | Comments |
| ti                         | Ti                 |          |
| ccpd                       | '0011'B            |          |
| mt                         | '0?110001'B        |          |
| <b>Detailed Comments:</b>  |                    |          |

| PDU Constraint Declaration |                       |          |
|----------------------------|-----------------------|----------|
| <b>Constraint Name:</b>    | StopDtmfAck_01(Ti:TI) |          |
| <b>PDU Type:</b>           | STOP_DTMF_ACK_PDU     |          |
| <b>Derivation Path:</b>    |                       |          |
| <b>Comments:</b>           |                       |          |
| Field Name                 | Field Value           | Comments |
| ti                         | Ti                    |          |
| ccpd                       | '0011'B               |          |
| mt                         | '00110010'B           |          |
| <b>Detailed Comments:</b>  |                       |          |

| PDU Constraint Declaration |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | Synclnfor_01                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| <b>PDU Type:</b>           | SCHINFO_PDU                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| <b>Comments:</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| Field Name                 | Field Value                                                                                                                                                                                                                                                                                                                                                                                                                                           | Comments |
| ncc                        | '001'B                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| bcc                        | C_BCC                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| t1                         | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| t2                         | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| t3_                        | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| <b>Detailed Comments:</b>  | 1. The values of t1, t2 and t3_ shall be correctly set by the L2 simulation module when this message is sent to air on the synchronization channel. It is assumed that there is a set of timebase counters in the L2 module, these counters run continuously and keep the correct timeslot number SN and TDMA frame number FN as long as the test system is poweron , the T1, T2, T3' (values for t1, t2 and t3_) can be derived from these counters. |          |

| PDU Constraint Declaration |                                          |          |
|----------------------------|------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInf1_MM(cchd: CCHD; rachcpar: RACHCP) |          |
| <b>PDU Type:</b>           | SYSINFO1_PDU                             |          |
| <b>Derivation Path:</b>    |                                          |          |
| <b>Comments:</b>           |                                          |          |
| Field Name                 | Field Value                              | Comments |
| l2_pl                      | '55'O                                    |          |
| ski                        | '0000'B                                  |          |
| rrpd                       | '0110'B                                  |          |
| mt                         | '00011001'B                              |          |
| cchd                       | cchd                                     |          |
| rachcp                     | rachcpar                                 |          |
| si1roct                    | '2B'O                                    |          |
| <b>Detailed Comments:</b>  |                                          |          |

| PDU Constraint Declaration |                                                        |          |
|----------------------------|--------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInf1(cchd:CCHD; maxtx:B_2; txint:B_4; re:B_1)       |          |
| <b>PDU Type:</b>           | SYSINFO1_PDU                                           |          |
| <b>Derivation Path:</b>    |                                                        |          |
| <b>Comments:</b>           | Default parameters for cell A in RR testing of GSM 900 |          |
| Field Name                 | Field Value                                            | Comments |
| l2_pl                      | '55'O                                                  |          |
| ski                        | '0000'B                                                |          |
| rrpd                       | '0110'B                                                |          |
| mt                         | '00011001'B                                            |          |
| cchd                       | cchd                                                   |          |
| rachcp                     | RachCntrlPara(maxtx, txint, re)                        |          |
| si1roct                    | '2B'O                                                  |          |
| <b>Detailed Comments:</b>  |                                                        |          |

| PDU Constraint Declaration |                                                                         |          |
|----------------------------|-------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInf2(bcchfl: NCD; maxtx:B_2; txint:B_4; re:B_1)                      |          |
| <b>PDU Type:</b>           | SYSINFO2_PDU                                                            |          |
| <b>Derivation Path:</b>    |                                                                         |          |
| <b>Comments:</b>           | SYSTEM INFORMATION TYPE2 containing default neighbour cells description |          |
| Field Name                 | Field Value                                                             | Comments |
| l2_pl                      | '59'O                                                                   |          |
| ski                        | '0000'B                                                                 |          |
| rrpd                       | '0110'B                                                                 |          |
| mt                         | '00011010'B                                                             |          |
| bcchfl                     | bcchfl                                                                  |          |
| nccp                       | '02'O                                                                   |          |
| rachcp                     | RachCntrlPara(maxtx, txint, re)                                         |          |
| <b>Detailed Comments:</b>  |                                                                         |          |

| PDU Constraint Declaration |                                           |          |
|----------------------------|-------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInf2_MM(bcchfl: NCD; rachcpar: RACHCP) |          |
| <b>PDU Type:</b>           | SYSINFO2_PDU                              |          |
| <b>Derivation Path:</b>    |                                           |          |
| <b>Comments:</b>           | SYSTEM INFORMATION TYPE2 con              |          |
| Field Name                 | Field Value                               | Comments |
| l2_pl                      | '59'O                                     |          |
| ski                        | '0000'B                                   |          |
| rrpd                       | '0110'B                                   |          |
| mt                         | '00011010'B                               |          |
| bcchfl                     | bcchfl                                    |          |
| nccp                       | '02'O                                     |          |
| rachcp                     | rachcpar                                  |          |
| <b>Detailed Comments:</b>  |                                           |          |

| PDU Constraint Declaration |                                                                     |          |
|----------------------------|---------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInf2_07(bcchfl: NCD; rachcpar: RACHCP)                           |          |
| <b>PDU Type:</b>           | SYSINFO2_PDU                                                        |          |
| <b>Derivation Path:</b>    |                                                                     |          |
| <b>Comments:</b>           | SYSTEM INFORMATION TYPE2 of cell 1 for idle mode testing of GSM900. |          |
| Field Name                 | Field Value                                                         | Comments |
| l2_pl                      | '59'O                                                               |          |
| ski                        | '0000'B                                                             |          |
| rrpd                       | '0110'B                                                             |          |
| mt                         | '00011010'B                                                         |          |
| bcchfl                     | bcchfl                                                              |          |
| nccp                       | '04'O                                                               |          |
| rachcp                     | rachcpar                                                            |          |
| <b>Detailed Comments:</b>  |                                                                     |          |

| PDU Constraint Declaration |                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInf2bis                                                                           |          |
| <b>PDU Type:</b>           | SYSINFO2bis_PDU                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                      |          |
| <b>Comments:</b>           | SYSTEM INFORMATION 2bis in cell A under EGSM with the ARFCN list = {988, 990, 1003}. |          |
| Field Name                 | Field Value                                                                          | Comments |
| l2_pl                      | '55'O                                                                                |          |
| ski                        | '0000'B                                                                              |          |
| rrpd                       | '0110'B                                                                              |          |
| mt                         | '00000010'B                                                                          |          |
| xbcchfl                    | BcchFreqLst_47                                                                       |          |
| rachcp                     | RachCntrlPara_r01                                                                    |          |
| si2bisroct                 | '00'O                                                                                |          |
| <b>Detailed Comments:</b>  |                                                                                      |          |

| PDU Constraint Declaration |                                                                                                                 |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInf3(ci:CI; mnc, lac:OCTETSTRING; ccd:CCD; co:CO; crh, mtmc:INTEGER; neci:B_1; maxtx:B_2; txint:B_4; re:B_1) |          |
| <b>PDU Type:</b>           | SYSINFO3_PDU                                                                                                    |          |
| <b>Derivation Path:</b>    |                                                                                                                 |          |
| <b>Comments:</b>           | CCCH combined or not with SDCCH                                                                                 |          |
| Field Name                 | Field Value                                                                                                     | Comments |
| l2_pl                      | '49'O                                                                                                           |          |
| ski                        | '0000'B                                                                                                         |          |
| rrpd                       | '0110'B                                                                                                         |          |
| mt                         | '00011011'B                                                                                                     |          |
| ci                         | ci                                                                                                              |          |
| lai                        | LocAreald(mnc, lac)                                                                                             |          |
| ccd                        | ccd                                                                                                             |          |
| co                         | co                                                                                                              |          |
| csp                        | CellSelPara(crh, mtmc, neci)                                                                                    |          |
| rachcp                     | RachCntrlPara(maxtx, txint, re)                                                                                 |          |
| si3roct                    | '2B2B2B2B'O                                                                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                                                 |          |

| PDU Constraint Declaration |                                                                    |          |
|----------------------------|--------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInf3_MM(ci: CI; lai: LAI; ccd: CCD; csp: CSP; rachcpar: RACHCP) |          |
| <b>PDU Type:</b>           | SYSINFO3_PDU                                                       |          |
| <b>Derivation Path:</b>    |                                                                    |          |
| <b>Comments:</b>           |                                                                    |          |
| Field Name                 | Field Value                                                        | Comments |
| l2_pl                      | '49'O                                                              |          |
| ski                        | '0000'B                                                            |          |
| rrpd                       | '0110'B                                                            |          |
| mt                         | '00011011'B                                                        |          |
| ci                         | ci                                                                 |          |
| lai                        | lai                                                                |          |
| ccd                        | ccd                                                                |          |
| co                         | CellOpt_01                                                         |          |
| csp                        | csp                                                                |          |
| rachcp                     | rachcpar                                                           |          |
| si3roct                    | '2B2B2B2B'O                                                        |          |
| <b>Detailed Comments:</b>  |                                                                    |          |



| PDU Constraint Declaration |                                                                           |          |
|----------------------------|---------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInf3_07(ci: CI; lai: LAI; ccd: CCD; co:CO; csp: CSP; rachcpar: RACHCP) |          |
| <b>PDU Type:</b>           | SYSINFO3_PDU                                                              |          |
| <b>Derivation Path:</b>    |                                                                           |          |
| <b>Comments:</b>           | values are defined in 26.3.1 of GSM 11.10                                 |          |
| Field Name                 | Field Value                                                               | Comments |
| l2_pl                      | '49'O                                                                     |          |
| ski                        | '0000'B                                                                   |          |
| rrpd                       | '0110'B                                                                   |          |
| mt                         | '00011011'B                                                               |          |
| ci                         | ci                                                                        |          |
| lai                        | lai                                                                       |          |
| ccd                        | ccd                                                                       |          |
| co                         | co                                                                        |          |
| csp                        | csp                                                                       |          |
| rachcp                     | rachcpar                                                                  |          |
| si3roct                    | '2B2B2B2B'O                                                               |          |
| <b>Detailed Comments:</b>  |                                                                           |          |

| PDU Constraint Declaration |                                                                                             |          |
|----------------------------|---------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInf3_inv_01                                                                              |          |
| <b>PDU Type:</b>           | SYSINFO3_PDU                                                                                |          |
| <b>Derivation Path:</b>    |                                                                                             |          |
| <b>Comments:</b>           | An invalid SYSTEM INFORMATION TYPE 3 message containing rest octets which are not all '2B'O |          |
| Field Name                 | Field Value                                                                                 | Comments |
| l2_pl                      | '49'O                                                                                       |          |
| ski                        | '0000'B                                                                                     |          |
| rrpd                       | '0110'B                                                                                     |          |
| mt                         | '00011011'B                                                                                 |          |
| ci                         | C_ci_cellA                                                                                  |          |
| lai                        | LocAreald_02                                                                                |          |
| ccd                        | CntrlChDscrp_inv                                                                            |          |
| co                         | CellOpt_04                                                                                  |          |
| csp                        | CellSelPara_01                                                                              |          |
| rachcp                     | RachCntrlPara_01                                                                            |          |
| si3roct                    | '2B2B2BEE'O                                                                                 |          |
| <b>Detailed Comments:</b>  |                                                                                             |          |

| PDU Constraint Declaration |                                                               |          |
|----------------------------|---------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInf4_MM(lai: LAI; csp: CSP; rachcpar: RACHCP)              |          |
| <b>PDU Type:</b>           | SYSINFO4_PDU                                                  |          |
| <b>Derivation Path:</b>    |                                                               |          |
| <b>Comments:</b>           | A SYSTEM INFORMATION TYPE 4 message containing default values |          |
| Field Name                 | Field Value                                                   | Comments |
| l2_pl                      | '31'O                                                         |          |
| ski                        | '0000'B                                                       |          |
| rrpd                       | '0110'B                                                       |          |
| mt                         | '00011100'B                                                   |          |
| lai                        | lai                                                           |          |
| csp                        | csp                                                           |          |
| rachcp                     | rachcpar                                                      |          |
| cbchd                      | OMIT                                                          |          |
| cbchma                     | OMIT                                                          |          |
| si4roct                    | '2B2B2B2B2B2B2B2B'O                                           |          |
| <b>Detailed Comments:</b>  |                                                               |          |

| PDU Constraint Declaration |                                                                                          |          |
|----------------------------|------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInf4(mnc, lac:OCTETSTRING; crh, mtmc:INTEGER; neci:B_1; maxtx:B_2; txint:B_4; re:B_1) |          |
| <b>PDU Type:</b>           | SYSINFO4_PDU                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                          |          |
| <b>Comments:</b>           | A SYSTEM INFORMATION TYPE 4 message containing default values                            |          |
| Field Name                 | Field Value                                                                              | Comments |
| l2_pl                      | '31'O                                                                                    |          |
| ski                        | '0000'B                                                                                  |          |
| rrpd                       | '0110'B                                                                                  |          |
| mt                         | '00011100'B                                                                              |          |
| lai                        | LocAreald(mnc, lac)                                                                      |          |
| csp                        | CellSelPara(crh, mtmc, neci)                                                             |          |
| rachcp                     | RachCntrlPara(maxtx, txint, re)                                                          |          |
| cbchd                      | OMIT                                                                                     |          |
| cbchma                     | OMIT                                                                                     |          |
| si4roct                    | '2B2B2B2B2B2B2B2B2B'O                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                          |          |

| PDU Constraint Declaration |                                                                                                          |          |
|----------------------------|----------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInf4_CBMS(mnc, lac:OCTETSTRING; crh, mtmc:INTEGER; neci:B_1; maxtx:B_2; txint:B_4; re:B_1; cbchd:CHD) |          |
| <b>PDU Type:</b>           | SYSINFO4_PDU                                                                                             |          |
| <b>Derivation Path:</b>    |                                                                                                          |          |
| <b>Comments:</b>           | To send a SYSTEM INFORMATION TYPE 4 message for SMSCB with the values or GSM 11.10, 34.3                 |          |
| Field Name                 | Field Value                                                                                              | Comments |
| l2_pl                      | '49'O                                                                                                    |          |
| ski                        | '0000'B                                                                                                  |          |
| rrpd                       | '0110'B                                                                                                  |          |
| mt                         | '00011100'B                                                                                              |          |
| lai                        | LocAreald(mnc, lac)                                                                                      |          |
| csp                        | CellSelPara(crh, mtmc, neci)                                                                             |          |
| rachcp                     | RachCntrlPara(maxtx, txint, re)                                                                          |          |
| cbchd                      | cbchd                                                                                                    |          |
| cbchma                     | MoblAlc_01iei                                                                                            |          |
| si4roct                    | '2B2B2B2B'O                                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                                          |          |

| PDU Constraint Declaration |                                                                                      |          |
|----------------------------|--------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInf4_inv_01                                                                       |          |
| <b>PDU Type:</b>           | SYSINFO4_PDU                                                                         |          |
| <b>Derivation Path:</b>    |                                                                                      |          |
| <b>Comments:</b>           | An invalid SYSTEM INFORMATION message containing rest octets which are not all '2B'O |          |
| Field Name                 | Field Value                                                                          | Comments |
| l2_pl                      | '31'O                                                                                |          |
| ski                        | '0000'B                                                                              |          |
| rrpd                       | '0110'B                                                                              |          |
| mt                         | '00011100'B                                                                          |          |
| lai                        | LocAreald_02                                                                         |          |
| csp                        | CellSelPara_01                                                                       |          |
| rachcp                     | RachCntrlPara_01                                                                     |          |
| cbchd                      | OMIT                                                                                 |          |
| cbchma                     | OMIT                                                                                 |          |
| si4roct                    | '2B2B2B2B2B2B2B2B2BEE'O                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                      |          |

| PDU Constraint Declaration |                           |          |
|----------------------------|---------------------------|----------|
| <b>Constraint Name:</b>    | SysInf5_MM(bcchfl: NCD)   |          |
| <b>PDU Type:</b>           | SYSINFO5_PDU              |          |
| <b>Derivation Path:</b>    |                           |          |
| <b>Comments:</b>           | SYSTEM INFORMATION TYPE 5 |          |
| Field Name                 | Field Value               | Comments |
| ski                        | '0000'B                   |          |
| rrpd                       | '0110'B                   |          |
| mt                         | '00011101'B               |          |
| bcchfl                     | bcchfl                    |          |
| <b>Detailed Comments:</b>  |                           |          |

| PDU Constraint Declaration |                                                                                     |          |
|----------------------------|-------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInf5(bcchfl: NCD)                                                                |          |
| <b>PDU Type:</b>           | SYSINFO5_PDU                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                     |          |
| <b>Comments:</b>           | SYSTEM INFORMATION TYPE 5 containing default neighbour cells description for GSM900 |          |
| Field Name                 | Field Value                                                                         | Comments |
| ski                        | '0000'B                                                                             |          |
| rrpd                       | '0110'B                                                                             |          |
| mt                         | '00011101'B                                                                         |          |
| bcchfl                     | bcchfl                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                     |          |

| PDU Constraint Declaration |                                                                                                           |          |
|----------------------------|-----------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInf5bis_01(bcchfl: NCD)                                                                                |          |
| <b>PDU Type:</b>           | SYSINFO5bis_PDU                                                                                           |          |
| <b>Derivation Path:</b>    |                                                                                                           |          |
| <b>Comments:</b>           | SYSTEM INFORMATION TYPE 5bis containing partial neighbour cells description with 1 frequency for DCS1800. |          |
| Field Name                 | Field Value                                                                                               | Comments |
| ski                        | '0000'B                                                                                                   |          |
| rrpd                       | '0110'B                                                                                                   |          |
| mt                         | '00000101'B                                                                                               |          |
| xbcchfl                    | bcchfl                                                                                                    |          |
| <b>Detailed Comments:</b>  |                                                                                                           |          |

| PDU Constraint Declaration |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInf6(ci:CI; mnc, lac:OCTETSTRING; co:CO)                                       |          |
| <b>PDU Type:</b>           | SYSINFO6_PDU                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                   |          |
| <b>Comments:</b>           | A SYSTEM INFORMATION TYPE 6 message containing default parameters for RR testing. |          |
| Field Name                 | Field Value                                                                       | Comments |
| ski                        | '0000'B                                                                           |          |
| rrpd                       | '0110'B                                                                           |          |
| mt                         | '00011110'B                                                                       |          |
| ci                         | ci                                                                                |          |
| lai                        | LocAreald(mnc, lac)                                                               |          |
| co                         | co                                                                                |          |
| nccp                       | '02'O                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| PDU Constraint Declaration |                                                                                   |          |
|----------------------------|-----------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | SysInf6_MM(ci: CI; lai: LAI; co:CO)                                               |          |
| <b>PDU Type:</b>           | SYSINFO6_PDU                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                   |          |
| <b>Comments:</b>           | A SYSTEM INFORMATION TYPE 6 message containing default parameters for RR testing. |          |
| Field Name                 | Field Value                                                                       | Comments |
| ski                        | '0000'B                                                                           |          |
| rrpd                       | '0110'B                                                                           |          |
| mt                         | '00011110'B                                                                       |          |
| ci                         | ci                                                                                |          |
| lai                        | lai                                                                               |          |
| co                         | co                                                                                |          |
| nccp                       | '02'O                                                                             |          |
| <b>Detailed Comments:</b>  |                                                                                   |          |

| PDU Constraint Declaration |                                          |          |
|----------------------------|------------------------------------------|----------|
| <b>Constraint Name:</b>    | TmsiReallocCmd(par:MI; lac: OCTETSTRING) |          |
| <b>PDU Type:</b>           | TMSIRE_CMD_PDU                           |          |
| <b>Derivation Path:</b>    |                                          |          |
| <b>Comments:</b>           | TMSI REALLOCATION COMMAND message.       |          |
| Field Name                 | Field Value                              | Comments |
| ski                        | '0000'B                                  |          |
| mmpd                       | '0101'B                                  |          |
| mt                         | '00011010'B                              |          |
| lai                        | LocAreald_30(lac)                        |          |
| mi                         | par                                      |          |
| <b>Detailed Comments:</b>  |                                          |          |

| PDU Constraint Declaration |                                     |          |
|----------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>    | TmsiReallocComp                     |          |
| <b>PDU Type:</b>           | TMSIRE_COM_PDU                      |          |
| <b>Derivation Path:</b>    |                                     |          |
| <b>Comments:</b>           | TMSI REALLOCATION COMPLETE message. |          |
| Field Name                 | Field Value                         | Comments |
| ski                        | '0000'B                             |          |
| mmpd                       | '0101'B                             |          |
| mt                         | '0?011011'B                         |          |
| <b>Detailed Comments:</b>  |                                     |          |

| PDU Constraint Declaration |                                 |          |
|----------------------------|---------------------------------|----------|
| <b>Constraint Name:</b>    | UndefCC_02(Ti:TI)               |          |
| <b>PDU Type:</b>           | CONN_PDU                        |          |
| <b>Derivation Path:</b>    |                                 |          |
| <b>Comments:</b>           | This is an undefined CC message |          |
| Field Name                 | Field Value                     | Comments |
| ti                         | Ti                              |          |
| ccpd                       | '0011'B                         |          |
| mt                         | '00111111'B                     |          |
| fie                        | OMIT                            |          |
| pi                         | OMIT                            |          |
| cnn                        | OMIT                            |          |
| cns                        | OMIT                            |          |
| uu                         | OMIT                            |          |
| ssvi                       | OMIT                            |          |
| <b>Detailed Comments:</b>  |                                 |          |

| PDU Constraint Declaration |                                 |          |
|----------------------------|---------------------------------|----------|
| <b>Constraint Name:</b>    | UndefMM_01                      |          |
| <b>PDU Type:</b>           | ID_RES_PDU                      |          |
| <b>Derivation Path:</b>    |                                 |          |
| <b>Comments:</b>           | This is an undefined MM message |          |
| Field Name                 | Field Value                     | Comments |
| ski                        | '0000'B                         |          |
| mmpd                       | '0101'B                         |          |
| mt                         | '00100101'B                     |          |
| mi                         | Mi_05                           |          |
| <b>Detailed Comments:</b>  |                                 |          |

| PDU Constraint Declaration |                         |          |
|----------------------------|-------------------------|----------|
| <b>Constraint Name:</b>    | UndefRR_01              |          |
| <b>PDU Type:</b>           | PART_REL_PDU            |          |
| <b>Derivation Path:</b>    |                         |          |
| <b>Comments:</b>           | An undefined RR message |          |
| Field Name                 | Field Value             | Comments |
| ski                        | '0000'B                 |          |
| rripd                      | '0110'B                 |          |
| mt                         | '00100101'B             |          |
| chd                        | Chd_01                  |          |
| <b>Detailed Comments:</b>  |                         |          |

| PDU Constraint Declaration |                                         |          |
|----------------------------|-----------------------------------------|----------|
| <b>Constraint Name:</b>    | UnknownMsg_01                           |          |
| <b>PDU Type:</b>           | CCST_ENQ_PDU                            |          |
| <b>Derivation Path:</b>    |                                         |          |
| <b>Comments:</b>           | CC STATUS ENQUIRY alike unknown message |          |
| Field Name                 | Field Value                             | Comments |
| ti                         | TI_02                                   |          |
| ccpd                       | '0000'B                                 |          |
| mt                         | '00110100'B                             |          |
| <b>Detailed Comments:</b>  |                                         |          |

| PDU Constraint Declaration |                                                                        |          |
|----------------------------|------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | UnknownMsg_02                                                          |          |
| <b>PDU Type:</b>           | CCST_ENQ_PDU                                                           |          |
| <b>Derivation Path:</b>    | UnknownMsg_01.                                                         |          |
| <b>Comments:</b>           | CC STATUS ENQUIRY alike unknown message with arbitrary transaction ID. |          |
| Field Name                 | Field Value                                                            | Comments |
| ti                         | TI_04                                                                  |          |
| <b>Detailed Comments:</b>  |                                                                        |          |

| PDU Constraint Declaration |                             |          |
|----------------------------|-----------------------------|----------|
| <b>Constraint Name:</b>    | CpDataAckPdu_01(ti_v: TI_V) |          |
| <b>PDU Type:</b>           | CPDATA_ACK_PDU              |          |
| <b>Derivation Path:</b>    |                             |          |
| <b>Comments:</b>           | CP DATA ACKNOWLEDGE ms -> n |          |
| Field Name                 | Field Value                 | Comments |
| ti                         | TI_08(ti_v)                 |          |
| smspd                      | '1001'B                     |          |
| mt                         | '00000100'B                 |          |
| <b>Detailed Comments:</b>  |                             |          |

| PDU Constraint Declaration |                             |          |
|----------------------------|-----------------------------|----------|
| <b>Constraint Name:</b>    | CpDataAckPdu_02(ti_v: TI_V) |          |
| <b>PDU Type:</b>           | CPDATA_ACK_PDU              |          |
| <b>Derivation Path:</b>    |                             |          |
| <b>Comments:</b>           | CP DATA ACKNOWLEDGE n -> ms |          |
| Field Name                 | Field Value                 | Comments |
| ti                         | TI_07(ti_v)                 |          |
| smspd                      | '1001'B                     |          |
| mt                         | '00000100'B                 |          |
| <b>Detailed Comments:</b>  |                             |          |

| PDU Constraint Declaration |                                     |          |
|----------------------------|-------------------------------------|----------|
| <b>Constraint Name:</b>    | CpDataAckPdu_03(ti:TI)              |          |
| <b>PDU Type:</b>           | CPDATA_ACK_PDU                      |          |
| <b>Derivation Path:</b>    |                                     |          |
| <b>Comments:</b>           | CP DATA ACKNOWLEDGE n -> ms, MO-SMS |          |
| Field Name                 | Field Value                         | Comments |
| ti                         | ti                                  |          |
| smspd                      | '1001'B                             |          |
| mt                         | '00000100'B                         |          |
| <b>Detailed Comments:</b>  |                                     |          |

| PDU Constraint Declaration |                               |          |
|----------------------------|-------------------------------|----------|
| <b>Constraint Name:</b>    | CpErrPdu_01(ti:TI_V)          |          |
| <b>PDU Type:</b>           | CPERR_PDU                     |          |
| <b>Derivation Path:</b>    |                               |          |
| <b>Comments:</b>           | CP ERROR n -> ms<br>GSM 04.11 |          |
| Field Name                 | Field Value                   | Comments |
| ti                         | TI_08(ti)                     |          |
| smspd                      | '1001'B                       |          |
| mt                         | '00010000'B                   |          |
| cp_cause                   | '11'O                         |          |
| <b>Detailed Comments:</b>  |                               |          |

| PDU Constraint Declaration |                                                        |          |
|----------------------------|--------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CpDataPdu_01(ti_v: TI_V; cpdat:CPDATA)                 |          |
| <b>PDU Type:</b>           | CP_DATA_PDU                                            |          |
| <b>Derivation Path:</b>    |                                                        |          |
| <b>Comments:</b>           | CP DATA n -> ms, RP DATA, TP-DCS set to 0<br>GSM 04.11 |          |
| Field Name                 | Field Value                                            | Comments |
| ti                         | TI_07(ti_v)                                            |          |
| smspd                      | '1001'B                                                |          |
| mt                         | '00000001'B                                            |          |
| CPdata                     | cpdat                                                  |          |
| <b>Detailed Comments:</b>  |                                                        |          |

| PDU Constraint Declaration |                                              |          |
|----------------------------|----------------------------------------------|----------|
| <b>Constraint Name:</b>    | CpDataPdu_02(ti_v: TI_V; cpdat:CPDATA)       |          |
| <b>PDU Type:</b>           | CP_DATA_PDU                                  |          |
| <b>Derivation Path:</b>    |                                              |          |
| <b>Comments:</b>           | CP DATA ms -> n, RP Acknowledge<br>GSM 04.11 |          |
| Field Name                 | Field Value                                  | Comments |
| ti                         | TI_08(ti_v)                                  |          |
| smspd                      | '1001'B                                      |          |
| mt                         | '00000001'B                                  |          |
| CPdata                     | cpdat                                        |          |
| <b>Detailed Comments:</b>  |                                              |          |

| PDU Constraint Declaration |                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CpDataPdu_03(cpdat:CPDATA)                                                         |          |
| <b>PDU Type:</b>           | CP_DATA_PDU                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                    |          |
| <b>Comments:</b>           | CP DATA ms -> n, RP data, TP-DCS set to 0, no status report requested<br>GSM 04.11 |          |
| Field Name                 | Field Value                                                                        | Comments |
| ti                         | TI_09                                                                              |          |
| smspd                      | '1001'B                                                                            |          |
| mt                         | '00000001'B                                                                        |          |
| CPdata                     | cpdat                                                                              |          |
| <b>Detailed Comments:</b>  |                                                                                    |          |

| PDU Constraint Declaration |                                              |          |
|----------------------------|----------------------------------------------|----------|
| <b>Constraint Name:</b>    | CpDataPdu_04                                 |          |
| <b>PDU Type:</b>           | CP_DATA_PDU                                  |          |
| <b>Derivation Path:</b>    |                                              |          |
| <b>Comments:</b>           | CP DATA n -> ms, RP Acknowledge<br>GSM 04.11 |          |
| Field Name                 | Field Value                                  | Comments |
| ti                         | TI_09                                        |          |
| smspd                      | '1001'B                                      |          |
| mt                         | '00000001'B                                  |          |
| CPdata                     | ?                                            |          |
| <b>Detailed Comments:</b>  |                                              |          |

| PDU Constraint Declaration |                                                                                                                   |          |
|----------------------------|-------------------------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CpDataPdu_16(tpoa1: BCDN; rpoa_mt: BCDN; smtype: INTEGER; text: IA5String; ti_v: TI_V; rpmr: MR; timezone:TZONES) |          |
| <b>PDU Type:</b>           | CP_DATA_PDU                                                                                                       |          |
| <b>Derivation Path:</b>    |                                                                                                                   |          |
| <b>Comments:</b>           | CP DATA n -> ms, RP DATA, TP-DCS set to 0<br>GSM 04.11                                                            |          |
| Field Name                 | Field Value                                                                                                       | Comments |
| ti                         | TI_07(ti_v)                                                                                                       |          |
| smspd                      | '1001'B                                                                                                           |          |
| mt                         | '00000001'B                                                                                                       |          |
| CPdata                     | CpData_15(tpoa1, rpoa_mt, smtype, text, rpmr, timezone)                                                           |          |
| <b>Detailed Comments:</b>  |                                                                                                                   |          |

| PDU Constraint Declaration |                                                                                                  |          |
|----------------------------|--------------------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CpDataPdu_17(tpoa1: BCDN; rpoa_mt: BCDN; text: IA5String; ti_v: TI_V; rpmr: MR; timezone:TZONES) |          |
| <b>PDU Type:</b>           | CP_DATA_PDU                                                                                      |          |
| <b>Derivation Path:</b>    |                                                                                                  |          |
| <b>Comments:</b>           | CP DATA n -> ms, RP DATA, TP-DCS set to 0<br>GSM 04.11                                           |          |
| Field Name                 | Field Value                                                                                      | Comments |
| ti                         | TI_07(ti_v)                                                                                      |          |
| smspd                      | '1001'B                                                                                          |          |
| mt                         | '00000001'B                                                                                      |          |
| CPdata                     | CpData_16(tpoa1, rpoa_mt, text, rpmr, timezone)                                                  |          |
| <b>Detailed Comments:</b>  |                                                                                                  |          |

| PDU Constraint Declaration |                                                                                    |          |
|----------------------------|------------------------------------------------------------------------------------|----------|
| <b>Constraint Name:</b>    | CpDataPdu_18(tpda: BCDN; rpda: BCDN; rpoa_mo: BCDN)                                |          |
| <b>PDU Type:</b>           | CP_DATA_PDU                                                                        |          |
| <b>Derivation Path:</b>    |                                                                                    |          |
| <b>Comments:</b>           | CP DATA ms -> n, RP data, TP-DCS set to 0, no status report requested<br>GSM 04.11 |          |
| Field Name                 | Field Value                                                                        | Comments |
| ti                         | TI_09                                                                              |          |
| smspd                      | '1001'B                                                                            |          |
| mt                         | '00000001'B                                                                        |          |
| CPdata                     | CpData_17(tpda, rpda, rpoa_mo)                                                     |          |
| <b>Detailed Comments:</b>  |                                                                                    |          |



## Dynamic Part

### Test Cases

#### Test Group General

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |    |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|----------|
| <b>Test Case Name:</b>      |       | TC_11_1_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |    |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/General/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |    |          |
| <b>Purpose:</b>             |       | <p>1. To verify that the MS, for the case of the Multinumbering scheme or ISDN, accepts a SETUP message, where the Information Elements for Bearer Capability are compatible with the Bearer Services / Teleservices declared as supported by the MS, by sending a CALL CONFIRMED message.</p> <p>This is verified for all Mobile Terminated Bearer Services / Teleservices declared as supported by the MS.</p> <p>2. To verify that the MS in the "Null" state, U0, when receiving a SETUP message containing incompatible Information Elements for Bearer Capability will respond with a RELEASE COMPLETE message.</p> <p>This is verified for all Mobile Terminated Bearer Services / Teleservices not declared as supported by the MS.</p> |      |    |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |    |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CRef | V  | Comments |
| 1                           |       | START T_guard(1800)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |    |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |    |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |    |          |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |    |          |
| 5                           |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      | 1. |          |
| 6                           |       | +testTS11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |    |          |
| 7                           |       | +testTS62_2400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |    |          |
| 8                           |       | +testTS62_4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |    |          |
| 9                           |       | +testTS62_9600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |    |          |
| 10                          |       | +testTS61_2400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |    |          |
| 11                          |       | +testTS61_4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |    |          |
| 12                          |       | +testTS61_9600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |    |          |
| 13                          |       | +continue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |    |          |
|                             |       | <b>continue</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |    |          |
| 14                          |       | +testBS21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |    |          |
| 15                          |       | +testBS22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |    |          |
| 16                          |       | +testBS24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |    |          |
| 17                          |       | +testBS25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |    |          |
| 18                          |       | +testBS26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |    |          |
| 19                          |       | +testBS31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |    |          |
| 20                          |       | +testBS32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |    |          |
| 21                          |       | +testBS33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |    |          |
| 22                          |       | +testBS34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |    |          |
| 23                          |       | +continue1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |    |          |
|                             |       | <b>continue1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |    |          |
| 24                          |       | +testBS61_300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |    |          |
| 25                          |       | +testBS61_1200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |    |          |
| 26                          |       | +testBS61_2400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |    |          |
| 27                          |       | +testBS61_4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |    |          |
| 28                          |       | +testBS61_9600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |    |          |

|    |                                                                                                                                                                                                                    |    |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 29 | +testBS81_300                                                                                                                                                                                                      |    |
| 30 | +testBS81_1200                                                                                                                                                                                                     |    |
| 31 | +testBS81_2400                                                                                                                                                                                                     |    |
| 32 | +testBS81_4800                                                                                                                                                                                                     |    |
| 33 | +testBS81_9600                                                                                                                                                                                                     |    |
|    | <b>testTS11</b>                                                                                                                                                                                                    |    |
| 34 | [TSPC_Serv_TS11]                                                                                                                                                                                                   | 3. |
| 35 | (TCV_Setup_mt := Setup_01)                                                                                                                                                                                         |    |
| 36 | +check1(C_Telephony)                                                                                                                                                                                               |    |
| 37 | [NOT TSPC_Serv_TS11]                                                                                                                                                                                               | 4. |
| 38 | (TCV_Setup_mt := Setup_01)                                                                                                                                                                                         |    |
| 39 | +check2(C_Telephony)                                                                                                                                                                                               |    |
|    | <b>testTS61_2400</b>                                                                                                                                                                                               |    |
| 40 | [TSPC_Serv_TS61_2400]                                                                                                                                                                                              |    |
| 41 | (TCV_Bcap1 := Bcap_Speech, TCV_Bcap2 :=<br>Bcap_Fax(TSPX_FAX_2400_1_strc,<br>TSPX_FAX_2400_1_ur, TSPX_FAX_2400_1_ir,<br>TSPX_FAX_2400_1_ce), TCV_Setup_mt :=<br>Setup_21('11010001'B, TCV_Bcap1, TCV_Bcap2))       |    |
| 42 | +check1(C_AltSpchG3_2400)                                                                                                                                                                                          |    |
| 43 | [TSPX_TS61_2400more]                                                                                                                                                                                               |    |
| 44 | (TCV_Bcap1 := Bcap_Speech, TCV_Bcap2<br>:= Bcap_Fax(TSPX_FAX_2400_2_strc,<br>TSPX_FAX_2400_2_ur,<br>TSPX_FAX_2400_2_ir,<br>TSPX_FAX_2400_2_ce), TCV_Setup_mt :=<br>Setup_21('11010001'B, TCV_Bcap1,<br>TCV_Bcap2)) |    |
| 45 | +check1(C_AltSpchG3_2400)                                                                                                                                                                                          |    |
| 46 | [NOT TSPX_TS61_2400more]                                                                                                                                                                                           |    |
| 47 | [NOT TSPC_Serv_TS61_2400]                                                                                                                                                                                          |    |
| 48 | (TCV_Bcap1 := Bcap_Speech, TCV_Bcap2 :=<br>Bcap_Fax(TSPX_FAX_2400_1_strc,<br>TSPX_FAX_2400_1_ur, TSPX_FAX_2400_1_ir,<br>TSPX_FAX_2400_1_ce), TCV_Setup_mt :=<br>Setup_21('11010001'B, TCV_Bcap1, TCV_Bcap2))       |    |
| 49 | +check2(C_AltSpchG3_2400)                                                                                                                                                                                          |    |
|    | <b>testTS61_4800</b>                                                                                                                                                                                               |    |
| 50 | [TSPC_Serv_TS61_4800]                                                                                                                                                                                              |    |
| 51 | (TCV_Bcap1 := Bcap_Speech, TCV_Bcap2 :=<br>Bcap_Fax(TSPX_FAX_4800_1_strc,<br>TSPX_FAX_4800_1_ur, TSPX_FAX_4800_1_ir,<br>TSPX_FAX_4800_1_ce), TCV_Setup_mt :=<br>Setup_21('11010001'B, TCV_Bcap1, TCV_Bcap2))       |    |
| 52 | +check1(C_AltSpchG3_4800)                                                                                                                                                                                          |    |
| 53 | [TSPX_TS61_4800more]                                                                                                                                                                                               |    |
| 54 | (TCV_Bcap1 := Bcap_Speech, TCV_Bcap2<br>:= Bcap_Fax(TSPX_FAX_4800_2_strc,<br>TSPX_FAX_4800_2_ur,<br>TSPX_FAX_4800_2_ir,<br>TSPX_FAX_4800_2_ce), TCV_Setup_mt :=<br>Setup_21('11010001'B, TCV_Bcap1,<br>TCV_Bcap2)) |    |
| 55 | +check1(C_AltSpchG3_4800)                                                                                                                                                                                          |    |
| 56 | [NOT TSPX_TS61_4800more]                                                                                                                                                                                           |    |
| 57 | [NOT TSPC_Serv_TS61_4800]                                                                                                                                                                                          |    |
| 58 | (TCV_Bcap1 := Bcap_Speech, TCV_Bcap2 :=<br>Bcap_Fax(TSPX_FAX_4800_1_strc,<br>TSPX_FAX_4800_1_ur, TSPX_FAX_4800_1_ir,<br>TSPX_FAX_4800_1_ce), TCV_Setup_mt :=<br>Setup_21('11010001'B, TCV_Bcap1, TCV_Bcap2))       |    |
| 59 | +check2(C_AltSpchG3_4800)                                                                                                                                                                                          |    |
|    | <b>testTS61_9600</b>                                                                                                                                                                                               |    |
| 60 | [TSPC_Serv_TS61_9600]                                                                                                                                                                                              |    |
| 61 | (TCV_Bcap1 := Bcap_Speech, TCV_Bcap2 :=<br>Bcap_Fax(TSPX_FAX_4800_1_strc,                                                                                                                                          |    |

```

TSPX_FAX_9600_1_ur, TSPX_FAX_9600_1_ir,
TSPX_FAX_9600_1_ce), TCV_Setup_mt :=
Setup_21('11010001'B, TCV_Bcap1, TCV_Bcap2))
62     +check1(C_AltSpchG3_9600)
63     [TSPX_TS61_9600more]
64     (TCV_Bcap1 := Bcap_Speech, TCV_Bcap2
:= Bcap_Fax(TSPX_FAX_9600_2_strc,
TSPX_FAX_9600_2_ur,
TSPX_FAX_9600_2_ir,
TSPX_FAX_9600_2_ce), TCV_Setup_mt :=
Setup_21('11010001'B, TCV_Bcap1,
TCV_Bcap2))
65     +check1(C_AltSpchG3_9600)
66     [NOT TSPX_TS61_9600more]
67 [NOT TSPC_Serv_TS61_9600]
68 (TCV_Bcap1 := Bcap_Speech, TCV_Bcap2 :=
Bcap_Fax(TSPX_FAX_9600_1_strc,
TSPX_FAX_9600_1_ur, TSPX_FAX_9600_1_ir,
TSPX_FAX_9600_1_ce), TCV_Setup_mt :=
Setup_21('11010001'B, TCV_Bcap1, TCV_Bcap2))
69     +check2(C_AltSpchG3_9600)

testTS62_2400
70 [TSPC_Serv_TS62_2400]
71 (TCV_Bcap1 :=
Bcap_Fax(TSPX_FAX_2400_1_strc,
TSPX_FAX_2400_1_ur, TSPX_FAX_2400_1_ir,
TSPX_FAX_2400_1_ce), TCV_Setup_mt :=
Setup_20(TCV_Bcap1))
72     +check1(C_AutoG3_T_2400)
73     [TSPX_TS62_2400more]
74     (TCV_Bcap1 :=
Bcap_Fax(TSPX_FAX_2400_2_strc,
TSPX_FAX_2400_2_ur,
TSPX_FAX_2400_2_ir,
TSPX_FAX_2400_2_ce), TCV_Setup_mt :=
Setup_20(TCV_Bcap1))
75     +check1(C_AutoG3_T_2400)
76     [NOT TSPX_TS62_2400more]
77 [NOT TSPC_Serv_TS62_2400]
78 (TCV_Bcap1 :=
Bcap_Fax(TSPX_FAX_2400_1_strc,
TSPX_FAX_2400_1_ur, TSPX_FAX_2400_1_ir,
TSPX_FAX_2400_1_ce), TCV_Setup_mt :=
Setup_20(TCV_Bcap1))
79     +check2(C_AutoG3_T_2400)

testTS62_4800
80 [TSPC_Serv_TS62_4800]
81 (TCV_Bcap1 :=
Bcap_Fax(TSPX_FAX_4800_1_strc,
TSPX_FAX_4800_1_ur, TSPX_FAX_4800_1_ir,
TSPX_FAX_4800_1_ce), TCV_Setup_mt :=
Setup_20(TCV_Bcap1))
82     +check1(C_AutoG3_T_4800)
83     [TSPX_TS62_4800more]
84     (TCV_Bcap1 :=
Bcap_Fax(TSPX_FAX_4800_2_strc,
TSPX_FAX_4800_2_ur,
TSPX_FAX_4800_2_ir,
TSPX_FAX_4800_2_ce), TCV_Setup_mt :=
Setup_20(TCV_Bcap1))
85     +check1(C_AutoG3_T_4800)
86     [NOT TSPX_TS62_4800more]
87 [NOT TSPC_Serv_TS62_4800]
88 (TCV_Bcap1 :=
Bcap_Fax(TSPX_FAX_4800_1_strc,
TSPX_FAX_4800_1_ur, TSPX_FAX_4800_1_ir,
TSPX_FAX_4800_1_ce), TCV_Setup_mt :=
Setup_20(TCV_Bcap1))
89     +check2(C_AutoG3_T_4800)

```

```

testTS62_9600
90 [TSPC_Serv_TS62_9600]
91 (TCV_Bcap1 :=
    Bcap_Fax(TSPX_FAX_9600_1_strc,
    TSPX_FAX_9600_1_ur, TSPX_FAX_9600_1_ir,
    TSPX_FAX_9600_1_ce), TCV_Setup_mt :=
    Setup_20(TCV_Bcap1))
92 +check1(C_AutoG3_T_9600)
93 [TSPX_TS62_9600more]
94 (TCV_Bcap1 :=
    Bcap_Fax(TSPX_FAX_9600_2_strc,
    TSPX_FAX_9600_2_ur,
    TSPX_FAX_9600_2_ir,
    TSPX_FAX_9600_2_ce), TCV_Setup_mt :=
    Setup_20(TCV_Bcap1))
95 +check1(C_AutoG3_T_9600)
96 [NOT TSPX_TS62_9600more]
97 [NOT TSPC_Serv_TS62_9600]
98 (TCV_Bcap1 :=
    Bcap_Fax(TSPX_FAX_9600_1_strc,
    TSPX_FAX_9600_1_ur, TSPX_FAX_9600_1_ir,
    TSPX_FAX_9600_1_ce), TCV_Setup_mt :=
    Setup_20(TCV_Bcap1))
99 +check2(C_AutoG3_T_9600)

testBS21
100 [TSPC_Serv_BS21]
101 (TCV_Bcap1 := Bcap_Bs2(TSPX_BS_21_1_itc,
    TSPX_BS_21_1_strc, TSPX_BS_21_1_ra, '0001'B,
    TSPX_BS_21_1_ir, TSPX_BS_21_1_ce,
    TSPX_BS_21_1_modemt), TCV_Setup_mt :=
    Setup_20(TCV_Bcap1))
102 +check1(C_300cda)
103 [TSPX_BS21more]
104 (TCV_Bcap1 :=
    Bcap_Bs2(TSPX_BS_21_2_itc,
    TSPX_BS_21_2_strc, TSPX_BS_21_2_ra,
    '0001'B, TSPX_BS_21_2_ir,
    TSPX_BS_21_2_ce,
    TSPX_BS_21_2_modemt), TCV_Setup_mt :=
    Setup_20(TCV_Bcap1))
105 +check1(C_300cda)
106 [NOT TSPX_BS21more]
107 [NOT TSPC_Serv_BS21]
108 (TCV_Bcap1 := Bcap_Bs2(TSPX_BS_21_1_itc,
    TSPX_BS_21_1_strc, TSPX_BS_21_1_ra, '0001'B,
    TSPX_BS_21_1_ir, TSPX_BS_21_1_ce,
    TSPX_BS_21_1_modemt), TCV_Setup_mt :=
    Setup_20(TCV_Bcap1))
109 +check2(C_300cda)

testBS22
110 [TSPC_Serv_BS22]
111 (TCV_Bcap1 := Bcap_Bs2(TSPX_BS_22_1_itc,
    TSPX_BS_22_1_strc, TSPX_BS_22_1_ra, '0010'B,
    TSPX_BS_22_1_ir, TSPX_BS_22_1_ce,
    TSPX_BS_22_1_modemt), TCV_Setup_mt :=
    Setup_20(TCV_Bcap1))
112 +check1(C_1200cda)
113 [TSPX_BS22more]
114 (TCV_Bcap1 :=
    Bcap_Bs2(TSPX_BS_22_2_itc,
    TSPX_BS_22_2_strc, TSPX_BS_22_2_ra,
    '0010'B, TSPX_BS_22_2_ir,
    TSPX_BS_22_2_ce,
    TSPX_BS_22_2_modemt), TCV_Setup_mt :=
    Setup_20(TCV_Bcap1))
115 +check1(C_1200cda)
116 [NOT TSPX_BS22more]
117 [NOT TSPC_Serv_BS22]

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118 (TCV_Bcap1 := Bcap_Bs2(TSPX_BS_22_1_itc,
TSPX_BS_22_1_strc, TSPX_BS_22_1_ra, '0010'B,
TSPX_BS_22_1_ir, TSPX_BS_22_1_ce,
TSPX_BS_22_1_modemt), TCV_Setup_mt :=
Setup_20( TCV_Bcap1))
119 +check2(C_1200cda)

testBS24
120 [TSPC_Serv_BS24]
121 (TCV_Bcap1 := Bcap_Bs2(TSPX_BS_24_1_itc,
TSPX_BS_24_1_strc, TSPX_BS_24_1_ra, '0011'B,
TSPX_BS_24_1_ir, TSPX_BS_24_1_ce,
TSPX_BS_24_1_modemt), TCV_Setup_mt :=
Setup_20( TCV_Bcap1))
122 +check1(C_2400cda)
123 [TSPX_BS24more]
124 (TCV_Bcap1 :=
Bcap_Bs2(TSPX_BS_24_2_itc,
TSPX_BS_24_2_strc, TSPX_BS_24_2_ra,
'0011'B, TSPX_BS_24_2_ir,
TSPX_BS_24_2_ce,
TSPX_BS_24_2_modemt), TCV_Setup_mt :=
Setup_20( TCV_Bcap1))
125 +check1(C_2400cda)
126 [NOT TSPX_BS24more]
127 [NOT TSPC_Serv_BS24]
128 (TCV_Bcap1 := Bcap_Bs2(TSPX_BS_24_1_itc,
TSPX_BS_24_1_strc, TSPX_BS_24_1_ra, '0011'B,
TSPX_BS_24_1_ir, TSPX_BS_24_1_ce,
TSPX_BS_24_1_modemt), TCV_Setup_mt :=
Setup_20( TCV_Bcap1))
129 +check2(C_2400cda)

testBS25
130 [TSPC_Serv_BS25]
131 (TCV_Bcap1 := Bcap_Bs2(TSPX_BS_25_1_itc,
TSPX_BS_25_1_strc, TSPX_BS_25_1_ra, '0100'B,
TSPX_BS_25_1_ir, TSPX_BS_25_1_ce,
TSPX_BS_25_1_modemt), TCV_Setup_mt :=
Setup_20( TCV_Bcap1))
132 +check1(C_4800cda)
133 [TSPX_BS25more]
134 (TCV_Bcap1 :=
Bcap_Bs2(TSPX_BS_25_2_itc,
TSPX_BS_25_2_strc, TSPX_BS_25_2_ra,
'0100'B, TSPX_BS_25_2_ir,
TSPX_BS_25_2_ce,
TSPX_BS_25_2_modemt), TCV_Setup_mt :=
Setup_20( TCV_Bcap1))
135 +check1(C_4800cda)
136 [NOT TSPX_BS25more]
137 [NOT TSPC_Serv_BS25]
138 (TCV_Bcap1 := Bcap_Bs2(TSPX_BS_25_1_itc,
TSPX_BS_25_1_strc, TSPX_BS_25_1_ra, '0100'B,
TSPX_BS_25_1_ir, TSPX_BS_25_1_ce,
TSPX_BS_25_1_modemt), TCV_Setup_mt :=
Setup_20( TCV_Bcap1))
139 +check2(C_4800cda)

testBS26
140 [TSPC_Serv_BS26]
141 (TCV_Bcap1 := Bcap_Bs2(TSPX_BS_26_1_itc,
TSPX_BS_26_1_strc, TSPX_BS_26_1_ra, '0101'B,
TSPX_BS_26_1_ir, TSPX_BS_26_1_ce,
TSPX_BS_26_1_modemt), TCV_Setup_mt :=
Setup_20( TCV_Bcap1))
142 +check1(C_9600cda)
143 [TSPX_BS26more]
144 (TCV_Bcap1 :=
Bcap_Bs2(TSPX_BS_26_2_itc,
TSPX_BS_26_2_strc, TSPX_BS_26_2_ra,

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'0101'B, TSPX_BS_26_2_ir,
TSPX_BS_26_2_ce,
TSPX_BS_26_2_modemt), TCV_Setup_mt :=
Setup_20( TCV_Bcap1))
145     +check1(C_9600cda)
146     [NOT TSPX_BS26more]
147 [NOT TSPC_Serv_BS26]
148     (TCV_Bcap1 := Bcap_Bs2(TSPX_BS_26_1_itc,
TSPX_BS_26_1_strc, TSPX_BS_26_1_ra, '0101'B,
TSPX_BS_26_1_ir, TSPX_BS_26_1_ce,
TSPX_BS_26_1_modemt), TCV_Setup_mt :=
Setup_20( TCV_Bcap1))
149     +check2(C_9600cda)

testBS31
150 [TSPC_Serv_BS31]
151     (TCV_Bcap1 := Bcap_Bs3(TSPX_BS_31_1_itc,
TSPX_BS_31_1_strc, TSPX_BS_31_1_ra,
TSPX_BS_31_1_sacp, '0010'B, TSPX_BS_31_1_ir,
'00'B, TSPX_BS_31_1_modemt), TCV_Setup_mt
:= Setup_20( TCV_Bcap1))
152     +check1(C_1200cda)
153     [TSPX_BS31more]
154     (TCV_Bcap1 :=
Bcap_Bs3(TSPX_BS_31_2_itc,
TSPX_BS_31_2_strc, TSPX_BS_31_2_ra,
TSPX_BS_31_2_sacp, '0010'B,
TSPX_BS_31_2_ir, '00'B,
TSPX_BS_31_2_modemt), TCV_Setup_mt :=
Setup_20( TCV_Bcap1))
155     +check1(C_1200cda)
156     [NOT TSPX_BS31more]
157 [NOT TSPC_Serv_BS31]
158     (TCV_Bcap1 := Bcap_Bs3(TSPX_BS_31_1_itc,
TSPX_BS_31_1_strc, TSPX_BS_31_1_ra,
TSPX_BS_31_1_sacp, '0010'B, TSPX_BS_31_1_ir,
'00'B, TSPX_BS_31_1_modemt), TCV_Setup_mt
:= Setup_20( TCV_Bcap1))
159     +check2(C_1200cda)

testBS32
160 [TSPC_Serv_BS32]
161     (TCV_Bcap1 := Bcap_Bs3(TSPX_BS_32_1_itc,
TSPX_BS_32_1_strc, TSPX_BS_32_1_ra,
TSPX_BS_32_1_sacp, '0011'B, TSPX_BS_32_1_ir,
TSPX_BS_32_1_ce, TSPX_BS_32_1_modemt),
TCV_Setup_mt := Setup_20( TCV_Bcap1))
162     +check1(C_2400cda)
163     [TSPX_BS32more]
164     (TCV_Bcap1 :=
Bcap_Bs3(TSPX_BS_32_2_itc,
TSPX_BS_32_2_strc, TSPX_BS_32_2_ra,
TSPX_BS_32_2_sacp, '0011'B,
TSPX_BS_32_2_ir, TSPX_BS_32_2_ce,
TSPX_BS_32_2_modemt), TCV_Setup_mt :=
Setup_20( TCV_Bcap1))
165     +check1(C_2400cda)
166     [NOT TSPX_BS32more]
167 [NOT TSPC_Serv_BS32]
168     (TCV_Bcap1 := Bcap_Bs3(TSPX_BS_32_1_itc,
TSPX_BS_32_1_strc, TSPX_BS_32_1_ra,
TSPX_BS_32_1_sacp, '0011'B, TSPX_BS_32_1_ir,
TSPX_BS_32_1_ce, TSPX_BS_32_1_modemt),
TCV_Setup_mt := Setup_20( TCV_Bcap1))
169     +check2(C_2400cda)

testBS33
170 [TSPC_Serv_BS33]
171     (TCV_Bcap1 := Bcap_Bs3(TSPX_BS_33_1_itc,
TSPX_BS_33_1_strc, TSPX_BS_33_1_ra,
TSPX_BS_33_1_sacp, '0100'B, TSPX_BS_33_1_ir,

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|     |                                                                                                                                                                                                                          |                              |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
|     | TSPX_BS_33_1_ce, TSPX_BS_33_1_modemt),<br>TCV_Setup_mt := Setup_20( TCV_Bcap1))                                                                                                                                          |                              |
| 172 | +check1(C_4800cds)                                                                                                                                                                                                       |                              |
| 173 | [TSPX_BS33more]                                                                                                                                                                                                          |                              |
| 174 | (TCV_Bcap1 :=<br>Bcap_Bs3(TSPX_BS_33_2_itc,<br>TSPX_BS_33_2_strc, TSPX_BS_33_2_ra,<br>TSPX_BS_33_2_sacp, '0100'B,<br>TSPX_BS_33_2_ir, TSPX_BS_33_2_ce,<br>TSPX_BS_33_2_modemt), TCV_Setup_mt :=<br>Setup_20( TCV_Bcap1)) |                              |
| 175 | +check1(C_4800cds)                                                                                                                                                                                                       |                              |
| 176 | [NOT TSPX_BS33more]                                                                                                                                                                                                      |                              |
| 177 | [NOT TSPC_Serv_BS33]                                                                                                                                                                                                     |                              |
| 178 | (TCV_Bcap1 := Bcap_Bs3(TSPX_BS_33_1_itc,<br>TSPX_BS_33_1_strc, TSPX_BS_33_1_ra,<br>TSPX_BS_33_1_sacp, '0100'B, TSPX_BS_33_1_ir,<br>TSPX_BS_33_1_ce, TSPX_BS_33_1_modemt),<br>TCV_Setup_mt := Setup_20( TCV_Bcap1))       |                              |
| 179 | +check2(C_4800cds)                                                                                                                                                                                                       |                              |
|     | <b>testBS34</b>                                                                                                                                                                                                          |                              |
| 180 | [TSPC_Serv_BS34]                                                                                                                                                                                                         |                              |
| 181 | (TCV_Bcap1 := Bcap_Bs3(TSPX_BS_34_1_itc,<br>TSPX_BS_34_1_strc, TSPX_BS_34_1_ra,<br>TSPX_BS_34_1_sacp, '0101'B, TSPX_BS_34_1_ir,<br>TSPX_BS_34_1_ce, TSPX_BS_34_1_modemt),<br>TCV_Setup_mt := Setup_20( TCV_Bcap1))       |                              |
| 182 | +check1(C_9600cds)                                                                                                                                                                                                       |                              |
| 183 | [TSPX_BS34more]                                                                                                                                                                                                          |                              |
| 184 | (TCV_Bcap1 :=<br>Bcap_Bs3(TSPX_BS_34_2_itc,<br>TSPX_BS_34_2_strc, TSPX_BS_34_2_ra,<br>TSPX_BS_34_2_sacp, '0101'B,<br>TSPX_BS_34_2_ir, TSPX_BS_34_2_ce,<br>TSPX_BS_34_2_modemt), TCV_Setup_mt :=<br>Setup_20( TCV_Bcap1)) |                              |
| 185 | +check1(C_9600cds)                                                                                                                                                                                                       |                              |
| 186 | [NOT TSPX_BS34more]                                                                                                                                                                                                      |                              |
| 187 | [NOT TSPC_Serv_BS34]                                                                                                                                                                                                     |                              |
| 188 | (TCV_Bcap1 := Bcap_Bs3(TSPX_BS_34_1_itc,<br>TSPX_BS_34_1_strc, TSPX_BS_34_1_ra,<br>TSPX_BS_34_1_sacp, '0101'B, TSPX_BS_34_1_ir,<br>TSPX_BS_34_1_ce, TSPX_BS_34_1_modemt),<br>TCV_Setup_mt := Setup_20( TCV_Bcap1))       |                              |
| 189 | +check2(C_9600cds)                                                                                                                                                                                                       |                              |
|     | <b>testBS61_300</b>                                                                                                                                                                                                      |                              |
| 190 | [TSPC_Serv_BS61_300]                                                                                                                                                                                                     |                              |
| 191 | (TCV_Bcap1 := Bcap_Speech)                                                                                                                                                                                               |                              |
| 192 | +tree_BS_61_300_1                                                                                                                                                                                                        |                              |
| 193 | +check1(C_AltSpchData_300)                                                                                                                                                                                               |                              |
| 194 | [TSPX_BS61_300more]                                                                                                                                                                                                      |                              |
| 195 | +tree_BS_61_300_2                                                                                                                                                                                                        |                              |
| 196 | +check1(C_AltSpchData_300)                                                                                                                                                                                               |                              |
| 197 | [NOT TSPX_BS61_300more]                                                                                                                                                                                                  |                              |
| 198 | [NOT TSPC_Serv_BS61_300]                                                                                                                                                                                                 |                              |
| 199 | +tree_BS_61_300_1                                                                                                                                                                                                        |                              |
| 200 | +check2(C_AltSpchData_300)                                                                                                                                                                                               |                              |
|     | <b>tree_BS_61_300_1</b>                                                                                                                                                                                                  |                              |
| 201 | [TSPX_BS_61_300_1_S]                                                                                                                                                                                                     | synchronous Data service     |
| 202 | (TCV_Bcap2 := Bcap_Bs3('010'B, '11'B, '00'B,<br>'001'B, TSPX_BS_61_300_S_1_ur,<br>TSPX_BS_61_300_S_1_ir, '00'B,<br>TSPX_BS_61_300_S_1_modemt), TCV_Setup_mt<br>:= Setup_21('11010001'B, TCV_Bcap1,<br>TCV_Bcap2))        |                              |
| 203 | [NOT TSPX_BS_61_300_1_S]                                                                                                                                                                                                 | asynchronous Data<br>service |

|     |                                                                                                                                                                                                                                                        |                              |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| 204 | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_61_300_A_1_strc, '00'B,<br>TSPX_BS_61_300_A_1_ur,<br>TSPX_BS_61_300_A_1_ir,<br>TSPX_BS_61_300_A_1_ce,<br>TSPX_BS_61_300_A_1_modemt), TCV_Setup_mt<br>:= Setup_21('11010001'B, TCV_Bcap1,<br>TCV_Bcap2))      |                              |
| 205 | <b>tree_BS_61_300_2</b><br>[TSPX_BS_61_300_2_S]                                                                                                                                                                                                        | synchronous Data service     |
| 206 | (TCV_Bcap2 := Bcap_Bs3('010'B, '11'B, '00'B,<br>'001'B, TSPX_BS_61_300_S_2_ur,<br>TSPX_BS_61_300_S_2_ir, '00'B,<br>TSPX_BS_61_300_S_2_modemt), TCV_Setup_mt<br>:= Setup_21('11010001'B, TCV_Bcap1,<br>TCV_Bcap2))                                      |                              |
| 207 | [NOT TSPX_BS_61_300_2_S]                                                                                                                                                                                                                               | asynchronous Data<br>service |
| 208 | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_61_300_A_2_strc, '00'B,<br>TSPX_BS_61_300_A_2_ur,<br>TSPX_BS_61_300_A_2_ir,<br>TSPX_BS_61_300_A_2_ce,<br>TSPX_BS_61_300_A_2_modemt), TCV_Setup_mt<br>:= Setup_21('11010001'B, TCV_Bcap1,<br>TCV_Bcap2))      |                              |
| 209 | <b>testBS61_1200</b><br>[TSPC_Serv_BS61_1200]                                                                                                                                                                                                          |                              |
| 210 | (TCV_Bcap1 := Bcap_Speech)                                                                                                                                                                                                                             |                              |
| 211 | +tree_BS_61_1200_1                                                                                                                                                                                                                                     |                              |
| 212 | +check1(C_AltSpchData_1200)                                                                                                                                                                                                                            |                              |
| 213 | [TSPX_BS61_1200more]                                                                                                                                                                                                                                   |                              |
| 214 | +tree_BS_61_1200_2                                                                                                                                                                                                                                     |                              |
| 215 | +check1(C_AltSpchData_1200)                                                                                                                                                                                                                            |                              |
| 216 | [NOT TSPX_BS61_1200more]                                                                                                                                                                                                                               |                              |
| 217 | [NOT TSPC_Serv_BS61_1200]                                                                                                                                                                                                                              |                              |
| 218 | +tree_BS_61_1200_1                                                                                                                                                                                                                                     |                              |
| 219 | +check2(C_AltSpchData_1200)                                                                                                                                                                                                                            |                              |
| 220 | <b>tree_BS_61_1200_1</b><br>[TSPX_BS_61_1200_1_S]                                                                                                                                                                                                      | synchronous Data service     |
| 221 | (TCV_Bcap2 := Bcap_Bs3('010'B, '11'B, '00'B,<br>'001'B, TSPX_BS_61_1200_S_1_ur,<br>TSPX_BS_61_1200_S_1_ir, '00'B,<br>TSPX_BS_61_1200_S_1_modemt),<br>TCV_Setup_mt := Setup_21('11010001'B,<br>TCV_Bcap1, TCV_Bcap2))                                   |                              |
| 222 | [NOT TSPX_BS_61_1200_1_S]                                                                                                                                                                                                                              | asynchronous Data<br>service |
| 223 | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_61_1200_A_1_strc, '00'B,<br>TSPX_BS_61_1200_A_1_ur,<br>TSPX_BS_61_1200_A_1_ir,<br>TSPX_BS_61_1200_A_1_ce,<br>TSPX_BS_61_1200_A_1_modemt),<br>TCV_Setup_mt := Setup_21('11010001'B,<br>TCV_Bcap1, TCV_Bcap2)) |                              |
| 224 | <b>tree_BS_61_1200_2</b><br>[TSPX_BS_61_1200_2_S]                                                                                                                                                                                                      | synchronous Data service     |
| 225 | (TCV_Bcap2 := Bcap_Bs3('010'B, '11'B, '00'B,<br>'001'B, TSPX_BS_61_1200_S_2_ur,<br>TSPX_BS_61_1200_S_2_ir, '00'B,<br>TSPX_BS_61_1200_S_2_modemt),<br>TCV_Setup_mt := Setup_21('11010001'B,<br>TCV_Bcap1, TCV_Bcap2))                                   |                              |
| 226 | [NOT TSPX_BS_61_1200_2_S]                                                                                                                                                                                                                              | asynchronous Data<br>service |
| 227 | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_61_1200_A_2_strc, '00'B,                                                                                                                                                                                     |                              |



|     |                                                                                                                                                                                                                                                        |  |                           |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------|
|     | TSPX_BS_61_1200_A_2_ur,<br>TSPX_BS_61_1200_A_2_ir,<br>TSPX_BS_61_1200_A_2_ce,<br>TSPX_BS_61_1200_A_2_modemt),<br>TCV_Setup_mt := Setup_21('11010001'B,<br>TCV_Bcap1, TCV_Bcap2))                                                                       |  |                           |
|     | <b>testBS61_2400</b>                                                                                                                                                                                                                                   |  |                           |
| 228 | [TSPC_Serv_BS61_2400]                                                                                                                                                                                                                                  |  |                           |
| 229 | (TCV_Bcap1 := Bcap_Speech)                                                                                                                                                                                                                             |  |                           |
| 230 | +tree_BS_61_2400_1                                                                                                                                                                                                                                     |  |                           |
| 231 | +check1(C_AltSpchData_2400)                                                                                                                                                                                                                            |  |                           |
| 232 | [TSPX_BS61_2400more]                                                                                                                                                                                                                                   |  |                           |
| 233 | +tree_BS_61_2400_2                                                                                                                                                                                                                                     |  |                           |
| 234 | +check1(C_AltSpchData_2400)                                                                                                                                                                                                                            |  |                           |
| 235 | [NOT TSPX_BS61_2400more]                                                                                                                                                                                                                               |  |                           |
| 236 | [NOT TSPC_Serv_BS61_2400]                                                                                                                                                                                                                              |  |                           |
| 237 | +tree_BS_61_2400_1                                                                                                                                                                                                                                     |  |                           |
| 238 | +check2(C_AltSpchData_2400)                                                                                                                                                                                                                            |  |                           |
|     | <b>tree_BS_61_2400_1</b>                                                                                                                                                                                                                               |  |                           |
| 239 | [TSPX_BS_61_2400_1_S]                                                                                                                                                                                                                                  |  | synchronous Data service  |
| 240 | (TCV_Bcap2 := Bcap_Bs3('010'B, '11'B, '00'B,<br>'001'B, TSPX_BS_61_2400_S_1_ur,<br>TSPX_BS_61_2400_S_1_ir, '00'B,<br>TSPX_BS_61_2400_S_1_modemt),<br>TCV_Setup_mt := Setup_21('11010001'B,<br>TCV_Bcap1, TCV_Bcap2))                                   |  |                           |
| 241 | [NOT TSPX_BS_61_2400_1_S]                                                                                                                                                                                                                              |  | asynchronous Data service |
| 242 | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_61_2400_A_1_strc, '00'B,<br>TSPX_BS_61_2400_A_1_ur,<br>TSPX_BS_61_2400_A_1_ir,<br>TSPX_BS_61_2400_A_1_ce,<br>TSPX_BS_61_2400_A_1_modemt),<br>TCV_Setup_mt := Setup_21('11010001'B,<br>TCV_Bcap1, TCV_Bcap2)) |  |                           |
|     | <b>tree_BS_61_2400_2</b>                                                                                                                                                                                                                               |  |                           |
| 243 | [TSPX_BS_61_2400_2_S]                                                                                                                                                                                                                                  |  | synchronous Data service  |
| 244 | (TCV_Bcap2 := Bcap_Bs3('010'B, '11'B, '00'B,<br>'001'B, TSPX_BS_61_2400_S_2_ur,<br>TSPX_BS_61_2400_S_2_ir, '00'B,<br>TSPX_BS_61_2400_S_2_modemt),<br>TCV_Setup_mt := Setup_21('11010001'B,<br>TCV_Bcap1, TCV_Bcap2))                                   |  |                           |
| 245 | [NOT TSPX_BS_61_2400_2_S]                                                                                                                                                                                                                              |  | asynchronous Data service |
| 246 | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_61_2400_A_2_strc, '00'B,<br>TSPX_BS_61_2400_A_2_ur,<br>TSPX_BS_61_2400_A_2_ir,<br>TSPX_BS_61_2400_A_2_ce,<br>TSPX_BS_61_2400_A_2_modemt),<br>TCV_Setup_mt := Setup_21('11010001'B,<br>TCV_Bcap1, TCV_Bcap2)) |  |                           |
|     | <b>testBS61_4800</b>                                                                                                                                                                                                                                   |  |                           |
| 247 | [TSPC_Serv_BS61_4800]                                                                                                                                                                                                                                  |  |                           |
| 248 | (TCV_Bcap1 := Bcap_Speech)                                                                                                                                                                                                                             |  |                           |
| 249 | +tree_BS_61_4800_1                                                                                                                                                                                                                                     |  |                           |
| 250 | +check1(C_AltSpchData_4800)                                                                                                                                                                                                                            |  |                           |
| 251 | [TSPX_BS61_4800more]                                                                                                                                                                                                                                   |  |                           |
| 252 | +tree_BS_61_4800_2                                                                                                                                                                                                                                     |  |                           |
| 253 | +check1(C_AltSpchData_4800)                                                                                                                                                                                                                            |  |                           |
| 254 | [NOT TSPX_BS61_4800more]                                                                                                                                                                                                                               |  |                           |
| 255 | [NOT TSPC_Serv_BS61_4800]                                                                                                                                                                                                                              |  |                           |
| 256 | +tree_BS_61_4800_1                                                                                                                                                                                                                                     |  |                           |
| 257 | +check2(C_AltSpchData_4800)                                                                                                                                                                                                                            |  |                           |

|     |                                                                                                                                                                                                                                                                                     |                           |
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| 258 | <b>tree_BS_61_4800_1</b>                                                                                                                                                                                                                                                            |                           |
| 259 | [TSPX_BS_61_4800_1_S]<br>(TCV_Bcap2 := Bcap_Bs3('010'B, '11'B, '00'B,<br>'001'B, TSPX_BS_61_4800_S_1_ur,<br>TSPX_BS_61_4800_S_1_ir, '00'B,<br>TSPX_BS_61_4800_S_1_modemt),<br>TCV_Setup_mt := Setup_21('11010001'B,<br>TCV_Bcap1, TCV_Bcap2))                                       | synchronous Data service  |
| 260 | [NOT TSPX_BS_61_4800_1_S]                                                                                                                                                                                                                                                           | asynchronous Data service |
| 261 | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_61_4800_A_1_strc, '00'B,<br>TSPX_BS_61_4800_A_1_ur,<br>TSPX_BS_61_4800_A_1_ir,<br>TSPX_BS_61_4800_A_1_ce,<br>TSPX_BS_61_4800_A_1_modemt),<br>TCV_Setup_mt := Setup_21('11010001'B,<br>TCV_Bcap1, TCV_Bcap2))                              |                           |
| 262 | <b>tree_BS_61_4800_2</b>                                                                                                                                                                                                                                                            |                           |
| 263 | [TSPX_BS_61_4800_2_S]<br>(TCV_Bcap2 := Bcap_Bs3('010'B, '11'B, '00'B,<br>'001'B, TSPX_BS_61_4800_S_2_ur,<br>TSPX_BS_61_4800_S_2_ir, '00'B,<br>TSPX_BS_61_4800_S_2_modemt),<br>TCV_Setup_mt := Setup_21('11010001'B,<br>TCV_Bcap1, TCV_Bcap2))                                       | synchronous Data service  |
| 264 | [NOT TSPX_BS_61_4800_2_S]                                                                                                                                                                                                                                                           | asynchronous Data service |
| 265 | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_61_4800_A_2_strc, '00'B,<br>TSPX_BS_61_4800_A_2_ur,<br>TSPX_BS_61_4800_A_2_ir,<br>TSPX_BS_61_4800_A_2_ce,<br>TSPX_BS_61_4800_A_2_modemt),<br>TCV_Setup_mt := Setup_21('11010001'B,<br>TCV_Bcap1, TCV_Bcap2))                              |                           |
| 266 | <b>testBS61_9600</b>                                                                                                                                                                                                                                                                |                           |
| 267 | [TSPC_Serv_BS61_9600]                                                                                                                                                                                                                                                               |                           |
| 268 | (TCV_Bcap1 := Bcap_Speech)                                                                                                                                                                                                                                                          |                           |
| 269 | +tree_BS_61_9600_1                                                                                                                                                                                                                                                                  |                           |
| 270 | +check1(C_AltSpchData_9600)                                                                                                                                                                                                                                                         |                           |
| 271 | [TSPX_BS61_9600more]                                                                                                                                                                                                                                                                |                           |
| 272 | +tree_BS_61_9600_2                                                                                                                                                                                                                                                                  |                           |
| 273 | +check1(C_AltSpchData_9600)                                                                                                                                                                                                                                                         |                           |
| 274 | [NOT TSPX_BS61_9600more]                                                                                                                                                                                                                                                            |                           |
| 275 | [NOT TSPC_Serv_BS61_9600]                                                                                                                                                                                                                                                           |                           |
| 276 | +tree_BS_61_9600_1                                                                                                                                                                                                                                                                  |                           |
| 277 | +check2(C_AltSpchData_9600)                                                                                                                                                                                                                                                         |                           |
| 278 | <b>tree_BS_61_9600_1</b>                                                                                                                                                                                                                                                            |                           |
| 279 | [TSPX_BS_61_9600_1_S]<br>(TCV_Bcap2 := Bcap_Bs3('010'B, '11'B, '00'B,<br>'001'B, TSPX_BS_61_9600_S_1_ur,<br>TSPX_BS_61_9600_S_1_ir, '00'B,<br>TSPX_BS_61_9600_S_1_modemt),<br>TCV_Setup_mt := Setup_21('11010001'B,<br>TCV_Bcap1, TCV_Bcap2))                                       | synchronous Data service  |
| 280 | [NOT TSPX_BS_61_9600_1_S]<br>(TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_61_9600_A_1_strc, '00'B,<br>TSPX_BS_61_9600_A_1_ur,<br>TSPX_BS_61_9600_A_1_ir,<br>TSPX_BS_61_9600_A_1_ce,<br>TSPX_BS_61_9600_A_1_modemt),<br>TCV_Setup_mt := Setup_21('11010001'B,<br>TCV_Bcap1, TCV_Bcap2)) | asynchronous Data service |

|     |                                                                                                                                                                                                                                                        |                           |
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| 281 | <b>tree_BS_61_9600_2</b>                                                                                                                                                                                                                               |                           |
| 282 | [TSPX_BS_61_9600_2_S]<br>(TCV_Bcap2 := Bcap_Bs3('010'B, '11'B, '00'B,<br>'001'B, TSPX_BS_61_9600_S_2_ur,<br>TSPX_BS_61_9600_S_2_ir, '00'B,<br>TSPX_BS_61_9600_S_2_modemt),<br>TCV_Setup_mt := Setup_21('11010001'B,<br>TCV_Bcap1, TCV_Bcap2))          | synchronous Data service  |
| 283 | [NOT TSPX_BS_61_9600_2_S]                                                                                                                                                                                                                              | asynchronous Data service |
| 284 | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_61_9600_A_2_strc, '00'B,<br>TSPX_BS_61_9600_A_2_ur,<br>TSPX_BS_61_9600_A_2_ir,<br>TSPX_BS_61_9600_A_2_ce,<br>TSPX_BS_61_9600_A_2_modemt),<br>TCV_Setup_mt := Setup_21('11010001'B,<br>TCV_Bcap1, TCV_Bcap2)) |                           |
|     | <b>testBS81_300</b>                                                                                                                                                                                                                                    |                           |
| 285 | [TSPC_Serv_BS81_300]                                                                                                                                                                                                                                   |                           |
| 286 | (TCV_Bcap1 := Bcap_Speech)                                                                                                                                                                                                                             |                           |
| 287 | +tree_BS_81_300_1                                                                                                                                                                                                                                      |                           |
| 288 | +check1(C_SpchData_300)                                                                                                                                                                                                                                |                           |
| 289 | [TSPX_BS81_300more]                                                                                                                                                                                                                                    |                           |
| 290 | +tree_BS_81_300_2                                                                                                                                                                                                                                      |                           |
| 291 | +check1(C_SpchData_300)                                                                                                                                                                                                                                |                           |
| 292 | [NOT TSPX_BS81_300more]                                                                                                                                                                                                                                |                           |
| 293 | [NOT TSPC_Serv_BS81_300]                                                                                                                                                                                                                               |                           |
| 294 | +tree_BS_81_300_1                                                                                                                                                                                                                                      |                           |
| 295 | +check2(C_SpchData_300)                                                                                                                                                                                                                                |                           |
|     | <b>tree_BS_81_300_1</b>                                                                                                                                                                                                                                |                           |
| 296 | [TSPX_BS_81_300_1_S]                                                                                                                                                                                                                                   | synchronous Data service  |
| 297 | (TCV_Bcap2 := Bcap_Bs3('010'B, '11'B, '00'B,<br>'001'B, TSPX_BS_81_300_S_1_ur,<br>TSPX_BS_81_300_S_1_ir, '00'B,<br>TSPX_BS_81_300_S_1_modemt), TCV_Setup_mt<br>:= Setup_21('11010011'B, TCV_Bcap1,<br>TCV_Bcap2))                                      |                           |
| 298 | [NOT TSPX_BS_81_300_1_S]                                                                                                                                                                                                                               | asynchronous Data service |
| 299 | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_81_300_A_1_strc, '00'B,<br>TSPX_BS_81_300_A_1_ur,<br>TSPX_BS_81_300_A_1_ir,<br>TSPX_BS_81_300_A_1_ce,<br>TSPX_BS_81_300_A_1_modemt), TCV_Setup_mt<br>:= Setup_21('11010011'B, TCV_Bcap1,<br>TCV_Bcap2))      |                           |
|     | <b>tree_BS_81_300_2</b>                                                                                                                                                                                                                                |                           |
| 300 | [TSPX_BS_81_300_2_S]                                                                                                                                                                                                                                   | synchronous Data service  |
| 301 | (TCV_Bcap2 := Bcap_Bs3('010'B, '11'B, '00'B,<br>'001'B, TSPX_BS_81_300_S_2_ur,<br>TSPX_BS_81_300_S_2_ir, '00'B,<br>TSPX_BS_81_300_S_2_modemt), TCV_Setup_mt<br>:= Setup_21('11010011'B, TCV_Bcap1,<br>TCV_Bcap2))                                      |                           |
| 302 | [NOT TSPX_BS_81_300_2_S]                                                                                                                                                                                                                               | asynchronous Data service |
| 303 | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_81_300_A_2_strc, '00'B,<br>TSPX_BS_81_300_A_2_ur,<br>TSPX_BS_81_300_A_2_ir,<br>TSPX_BS_81_300_A_2_ce,<br>TSPX_BS_81_300_A_2_modemt), TCV_Setup_mt<br>:= Setup_21('11010011'B, TCV_Bcap1,<br>TCV_Bcap2))      |                           |
|     | <b>testBS81_1200</b>                                                                                                                                                                                                                                   |                           |

|     |                                                                                                                                                                                                                                                        |                           |
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| 304 | [TSPC_Serv_BS81_1200]                                                                                                                                                                                                                                  |                           |
| 305 | (TCV_Bcap1 := Bcap_Speech)                                                                                                                                                                                                                             |                           |
| 306 | +tree_BS_81_1200_1                                                                                                                                                                                                                                     |                           |
| 307 | +check1(C_SpchData_1200)                                                                                                                                                                                                                               |                           |
| 308 | [TSPX_BS81_1200more]                                                                                                                                                                                                                                   |                           |
| 309 | +tree_BS_81_1200_2                                                                                                                                                                                                                                     |                           |
| 310 | +check1(C_SpchData_1200)                                                                                                                                                                                                                               |                           |
| 311 | [NOT TSPX_BS81_1200more]                                                                                                                                                                                                                               |                           |
| 312 | [NOT TSPC_Serv_BS81_1200]                                                                                                                                                                                                                              |                           |
| 313 | +tree_BS_81_1200_1                                                                                                                                                                                                                                     |                           |
| 314 | +check2(C_SpchData_1200)                                                                                                                                                                                                                               |                           |
|     | <b>tree_BS_81_1200_1</b>                                                                                                                                                                                                                               |                           |
| 315 | [TSPX_BS_81_1200_1_S]                                                                                                                                                                                                                                  | synchronous Data service  |
| 316 | (TCV_Bcap2 := Bcap_Bs3('010'B, '11'B, '00'B,<br>'001'B, TSPX_BS_81_1200_S_1_ur,<br>TSPX_BS_81_1200_S_1_ir, '00'B,<br>TSPX_BS_81_1200_S_1_modemt),<br>TCV_Setup_mt := Setup_21('11010011'B,<br>TCV_Bcap1, TCV_Bcap2))                                   |                           |
| 317 | [NOT TSPX_BS_81_1200_1_S]                                                                                                                                                                                                                              | asynchronous Data service |
| 318 | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_81_1200_A_1_strc, '00'B,<br>TSPX_BS_81_1200_A_1_ur,<br>TSPX_BS_81_1200_A_1_ir,<br>TSPX_BS_81_1200_A_1_ce,<br>TSPX_BS_81_1200_A_1_modemt),<br>TCV_Setup_mt := Setup_21('11010011'B,<br>TCV_Bcap1, TCV_Bcap2)) |                           |
|     | <b>tree_BS_81_1200_2</b>                                                                                                                                                                                                                               |                           |
| 319 | [TSPX_BS_81_1200_2_S]                                                                                                                                                                                                                                  | synchronous Data service  |
| 320 | (TCV_Bcap2 := Bcap_Bs3('010'B, '11'B, '00'B,<br>'001'B, TSPX_BS_81_1200_S_2_ur,<br>TSPX_BS_81_1200_S_2_ir, '00'B,<br>TSPX_BS_81_1200_S_2_modemt),<br>TCV_Setup_mt := Setup_21('11010011'B,<br>TCV_Bcap1, TCV_Bcap2))                                   |                           |
| 321 | [NOT TSPX_BS_81_1200_2_S]                                                                                                                                                                                                                              | asynchronous Data service |
| 322 | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_81_1200_A_2_strc, '00'B,<br>TSPX_BS_81_1200_A_2_ur,<br>TSPX_BS_81_1200_A_2_ir,<br>TSPX_BS_81_1200_A_2_ce,<br>TSPX_BS_81_1200_A_2_modemt),<br>TCV_Setup_mt := Setup_21('11010011'B,<br>TCV_Bcap1, TCV_Bcap2)) |                           |
|     | <b>testBS81_2400</b>                                                                                                                                                                                                                                   |                           |
| 323 | [TSPC_Serv_BS81_2400]                                                                                                                                                                                                                                  |                           |
| 324 | (TCV_Bcap1 := Bcap_Speech)                                                                                                                                                                                                                             |                           |
| 325 | +tree_BS_81_2400_1                                                                                                                                                                                                                                     |                           |
| 326 | +check1(C_SpchData_2400)                                                                                                                                                                                                                               |                           |
| 327 | [TSPX_BS81_2400more]                                                                                                                                                                                                                                   |                           |
| 328 | +tree_BS_81_2400_2                                                                                                                                                                                                                                     |                           |
| 329 | +check1(C_SpchData_2400)                                                                                                                                                                                                                               |                           |
| 330 | [NOT TSPX_BS81_2400more]                                                                                                                                                                                                                               |                           |
| 331 | [NOT TSPC_Serv_BS81_2400]                                                                                                                                                                                                                              |                           |
| 332 | +tree_BS_81_2400_1                                                                                                                                                                                                                                     |                           |
| 333 | +check2(C_SpchData_2400)                                                                                                                                                                                                                               |                           |
|     | <b>tree_BS_81_2400_1</b>                                                                                                                                                                                                                               |                           |
| 334 | [TSPX_BS_81_2400_1_S]                                                                                                                                                                                                                                  | synchronous Data service  |
| 335 | (TCV_Bcap2 := Bcap_Bs3('010'B, '11'B, '00'B,<br>'001'B, TSPX_BS_81_2400_S_1_ur,<br>TSPX_BS_81_2400_S_1_ir, '00'B,<br>TSPX_BS_81_2400_S_1_modemt),<br>TCV_Setup_mt := Setup_21('11010011'B,                                                             |                           |

|     |                                                                                                                                                                                                                                                        |                           |
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| 336 | TCV_Bcap1, TCV_Bcap2))<br>[NOT TSPX_BS_81_2400_1_S]                                                                                                                                                                                                    | asynchronous Data service |
| 337 | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_81_2400_A_1_strc, '00'B,<br>TSPX_BS_81_2400_A_1_ur,<br>TSPX_BS_81_2400_A_1_ir,<br>TSPX_BS_81_2400_A_1_ce,<br>TSPX_BS_81_2400_A_1_modemt),<br>TCV_Setup_mt := Setup_21('11010011'B,<br>TCV_Bcap1, TCV_Bcap2)) |                           |
| 338 | <b>tree_BS_81_2400_2</b><br>[TSPX_BS_81_2400_2_S]                                                                                                                                                                                                      | synchronous Data service  |
| 339 | (TCV_Bcap2 := Bcap_Bs3('010'B, '11'B, '00'B,<br>'001'B, TSPX_BS_81_2400_S_2_ur,<br>TSPX_BS_81_2400_S_2_ir, '00'B,<br>TSPX_BS_81_2400_S_2_modemt),<br>TCV_Setup_mt := Setup_21('11010011'B,<br>TCV_Bcap1, TCV_Bcap2))                                   |                           |
| 340 | [NOT TSPX_BS_81_2400_2_S]                                                                                                                                                                                                                              | asynchronous Data service |
| 341 | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_81_2400_A_2_strc, '00'B,<br>TSPX_BS_81_2400_A_2_ur,<br>TSPX_BS_81_2400_A_2_ir,<br>TSPX_BS_81_2400_A_2_ce,<br>TSPX_BS_81_2400_A_2_modemt),<br>TCV_Setup_mt := Setup_21('11010011'B,<br>TCV_Bcap1, TCV_Bcap2)) |                           |
| 342 | <b>testBS81_4800</b><br>[TSPC_Serv_BS81_4800]                                                                                                                                                                                                          |                           |
| 343 | (TCV_Bcap1 := Bcap_Speech)                                                                                                                                                                                                                             |                           |
| 344 | +tree_BS_81_4800_1                                                                                                                                                                                                                                     |                           |
| 345 | +check1(C_SpchData_4800)                                                                                                                                                                                                                               |                           |
| 346 | [TSPX_BS81_4800more]                                                                                                                                                                                                                                   |                           |
| 347 | +tree_BS_81_4800_2                                                                                                                                                                                                                                     |                           |
| 348 | +check1(C_SpchData_4800)                                                                                                                                                                                                                               |                           |
| 349 | [NOT TSPX_BS81_4800more]                                                                                                                                                                                                                               |                           |
| 350 | [NOT TSPC_Serv_BS81_4800]                                                                                                                                                                                                                              |                           |
| 351 | +tree_BS_81_4800_1                                                                                                                                                                                                                                     |                           |
| 352 | +check2(C_SpchData_4800)                                                                                                                                                                                                                               |                           |
| 353 | <b>tree_BS_81_4800_1</b><br>[TSPX_BS_81_4800_1_S]                                                                                                                                                                                                      | synchronous Data service  |
| 354 | (TCV_Bcap2 := Bcap_Bs3('010'B, '11'B, '00'B,<br>'001'B, TSPX_BS_81_4800_S_1_ur,<br>TSPX_BS_81_4800_S_1_ir, '00'B,<br>TSPX_BS_81_4800_S_1_modemt),<br>TCV_Setup_mt := Setup_21('11010011'B,<br>TCV_Bcap1, TCV_Bcap2))                                   |                           |
| 355 | [NOT TSPX_BS_81_4800_1_S]                                                                                                                                                                                                                              | asynchronous Data service |
| 356 | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_81_4800_A_1_strc, '00'B,<br>TSPX_BS_81_4800_A_1_ur,<br>TSPX_BS_81_4800_A_1_ir,<br>TSPX_BS_81_4800_A_1_ce,<br>TSPX_BS_81_4800_A_1_modemt),<br>TCV_Setup_mt := Setup_21('11010011'B,<br>TCV_Bcap1, TCV_Bcap2)) |                           |
| 357 | <b>tree_BS_81_4800_2</b><br>[TSPX_BS_81_4800_2_S]                                                                                                                                                                                                      | synchronous Data service  |
| 358 | (TCV_Bcap2 := Bcap_Bs3('010'B, '11'B, '00'B,<br>'001'B, TSPX_BS_81_4800_S_2_ur,<br>TSPX_BS_81_4800_S_2_ir, '00'B,<br>TSPX_BS_81_4800_S_2_modemt),<br>TCV_Setup_mt := Setup_21('11010011'B,<br>TCV_Bcap1, TCV_Bcap2))                                   |                           |

|     |                                                                                                                                                                                                                                                        |                                     |                           |
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| 359 | [NOT TSPX_BS_81_4800_2_S]                                                                                                                                                                                                                              |                                     | asynchronous Data service |
| 360 | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_81_4800_A_2_strc, '00'B,<br>TSPX_BS_81_4800_A_2_ur,<br>TSPX_BS_81_4800_A_2_ir,<br>TSPX_BS_81_4800_A_2_ce,<br>TSPX_BS_81_4800_A_2_modemt),<br>TCV_Setup_mt := Setup_21('11010011'B,<br>TCV_Bcap1, TCV_Bcap2)) |                                     |                           |
|     | <b>testBS81_9600</b>                                                                                                                                                                                                                                   |                                     |                           |
| 361 | [TSPC_Serv_BS81_9600]                                                                                                                                                                                                                                  |                                     |                           |
| 362 | (TCV_Bcap1 := Bcap_Speech)                                                                                                                                                                                                                             |                                     |                           |
| 363 | +tree_BS_81_9600_1                                                                                                                                                                                                                                     |                                     |                           |
| 364 | +check1(C_SpchData_9600)                                                                                                                                                                                                                               |                                     |                           |
| 365 | [TSPX_BS81_9600more]                                                                                                                                                                                                                                   |                                     |                           |
| 366 | +tree_BS_81_9600_2                                                                                                                                                                                                                                     |                                     |                           |
| 367 | +check1(C_SpchData_9600)                                                                                                                                                                                                                               |                                     |                           |
| 368 | [NOT TSPX_BS81_9600more]                                                                                                                                                                                                                               |                                     |                           |
| 369 | [NOT TSPC_Serv_BS81_9600]                                                                                                                                                                                                                              |                                     |                           |
| 370 | +tree_BS_81_9600_1                                                                                                                                                                                                                                     |                                     |                           |
| 371 | +check2(C_SpchData_9600)                                                                                                                                                                                                                               |                                     |                           |
|     | <b>tree_BS_81_9600_1</b>                                                                                                                                                                                                                               |                                     |                           |
| 372 | [TSPX_BS_81_9600_1_S]                                                                                                                                                                                                                                  |                                     | synchronous Data service  |
| 373 | (TCV_Bcap2 := Bcap_Bs3('010'B, '11'B, '00'B,<br>'001'B, TSPX_BS_81_9600_S_1_ur,<br>TSPX_BS_81_9600_S_1_ir, '00'B,<br>TSPX_BS_81_9600_S_1_modemt),<br>TCV_Setup_mt := Setup_21('11010011'B,<br>TCV_Bcap1, TCV_Bcap2))                                   |                                     |                           |
| 374 | [NOT TSPX_BS_81_9600_1_S]                                                                                                                                                                                                                              |                                     | asynchronous Data service |
| 375 | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_81_9600_A_1_strc, '00'B,<br>TSPX_BS_81_9600_A_1_ur,<br>TSPX_BS_81_9600_A_1_ir,<br>TSPX_BS_81_9600_A_1_ce,<br>TSPX_BS_81_9600_A_1_modemt),<br>TCV_Setup_mt := Setup_21('11010011'B,<br>TCV_Bcap1, TCV_Bcap2)) |                                     |                           |
|     | <b>tree_BS_81_9600_2</b>                                                                                                                                                                                                                               |                                     |                           |
| 376 | [TSPX_BS_81_9600_2_S]                                                                                                                                                                                                                                  |                                     | synchronous Data service  |
| 377 | (TCV_Bcap2 := Bcap_Bs3('010'B, '11'B, '00'B,<br>'001'B, TSPX_BS_81_9600_S_2_ur,<br>TSPX_BS_81_9600_S_2_ir, '00'B,<br>TSPX_BS_81_9600_S_2_modemt),<br>TCV_Setup_mt := Setup_21('11010011'B,<br>TCV_Bcap1, TCV_Bcap2))                                   |                                     |                           |
| 378 | [NOT TSPX_BS_81_9600_2_S]                                                                                                                                                                                                                              |                                     | asynchronous Data service |
| 379 | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_81_9600_A_2_strc, '00'B,<br>TSPX_BS_81_9600_A_2_ur,<br>TSPX_BS_81_9600_A_2_ir,<br>TSPX_BS_81_9600_A_2_ce,<br>TSPX_BS_81_9600_A_2_modemt),<br>TCV_Setup_mt := Setup_21('11010011'B,<br>TCV_Bcap1, TCV_Bcap2)) |                                     |                           |
|     | <b>check1(srv:IA5String)</b>                                                                                                                                                                                                                           |                                     |                           |
| 380 | +preamble                                                                                                                                                                                                                                              |                                     |                           |
| 381 | LIDL_DatRqSetup                                                                                                                                                                                                                                        | SetupRq_05(TCV_ch,<br>TCV_Setup_mt) |                           |
| 382 | L?DL_DatInCallCo                                                                                                                                                                                                                                       | CallCfm_01                          | (P)                       |
| 383 | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                               |                                     |                           |
| 384 | (TCV_Null := OM_CphMd(TCV_ch,<br>CphMod_02, TCV_CphKey))                                                                                                                                                                                               |                                     | 5.                        |

|     |                                                                                      |                                     |     |    |
|-----|--------------------------------------------------------------------------------------|-------------------------------------|-----|----|
| 385 | <b>check2(srv:IA5String)</b>                                                         |                                     |     |    |
| 386 | +preamble                                                                            |                                     |     |    |
| 387 | L!DL_DatRqSetup                                                                      | SetupRq_05(TCV_ch,<br>TCV_Setup_mt) |     |    |
| 388 | L?DL_DatInRelCmp                                                                     | RelCmp_05(TI_01)                    | (P) |    |
| 389 | +PostMainLinkRel(TCV_ch)<br>(TCV_Null := OM_CphMd(TCV_ch,<br>CphMod_02, TCV_CphKey)) |                                     |     | 5. |
|     | <b>preamble</b>                                                                      |                                     |     |    |
| 390 | +PreEstRRConn(TCV_slot, TCV_tsc, TimingAdv_01)                                       |                                     |     |    |
| 391 | L!DL_DatRqAuthRq                                                                     | AuthReq_01(TCV_ch)                  |     |    |
| 392 | L?DL_DatInAuthRes (TCV_Sres :=<br>DL_DatInAuthRes.msg.sres)                          | AuthRes_01                          |     |    |
| 393 | (TCV_Res := OC_ChkSRES(TCV_Sres,<br>TSPX_Ki, TSPX_RANDDef))                          |                                     |     |    |
| 394 | [TCV_Res = FALSE]                                                                    |                                     | (I) |    |
| 395 | +Cipherring_on(TCV_ch)                                                               |                                     |     |    |
| 396 | [TCV_Res = TRUE]                                                                     |                                     |     |    |
| 397 | +Cipherring_on(TCV_ch)                                                               |                                     |     |    |

**Detailed Comments:**

1. To setup a physical channel as BCCH, CCCH and SDCCH4 channels.
2. If the MS supports TS62 but not TS61, then TS61 is not tested.
3. To test the supported basic service.
4. To test the non-supported basic service.
5. To set the channel back to non-cipherring mode for next test execution.

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Case Name:</b>      |       | TC_11_1_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/General/                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |   |          |
| <b>Purpose:</b>             |       | <p>1. To verify that the MS generates a SETUP message which includes a single or multiple Bearer Capability and a single LLC, according to the actual configuration on the MS.</p> <p>This is verified for all Mobile Originated Bearer Services / Teleservices described in GSM 07.01 and declared as supported by the MS.</p> <p>2. To verify that the MS includes a correctly encoded Repeat Indicator if it includes multiple Bearer Capabilities in the SETUP message.</p> |      |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CRef | V | Comments |
| 1                           |       | START T_guard(6000)                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |   |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                 |      |   |          |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef), TCV_cksn := TSPX_CKSNDf)                                                                                                                                                                                                                                                                                 |      |   |          |
| 5                           |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                        |      |   |          |
| 6                           |       | +testTS11                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 7                           |       | +testTS12                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 8                           |       | +testTS61_2400                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |   |          |
| 9                           |       | +testTS61_4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |   |          |
| 10                          |       | +testTS61_9600                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |   |          |
| 11                          |       | +testTS62_2400                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |   |          |
| 12                          |       | +testTS62_4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |   |          |
| 13                          |       | +testTS62_9600                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |   |          |
| 14                          |       | +continue                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
|                             |       | <b>continue</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |   |          |
| 15                          |       | +testBS21                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 16                          |       | +testBS22                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 17                          |       | +testBS23                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 18                          |       | +testBS24                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 19                          |       | +testBS25                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 20                          |       | +testBS26                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 21                          |       | +testBS31                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 22                          |       | +testBS32                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 23                          |       | +testBS33                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 24                          |       | +testBS34                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 25                          |       | +testBS41                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 26                          |       | +testBS42                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 27                          |       | +testBS43                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 28                          |       | +testBS44                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 29                          |       | +testBS45                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 30                          |       | +testBS46                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 31                          |       | +testBS51                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 32                          |       | +testBS52                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 33                          |       | +testBS53                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 34                          |       | +continue1                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |   |          |
|                             |       | <b>continue1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |   |          |
| 35                          |       | +testBS61_300                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |   |          |
| 36                          |       | +testBS61_1200                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |   |          |
| 37                          |       | +testBS61_120075                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |   |          |
| 38                          |       | +testBS61_2400                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |   |          |
| 39                          |       | +testBS61_4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |   |          |



40 +testBS61\_9600  
41 +testBS81\_300  
42 +testBS81\_1200  
43 +testBS81\_120075  
44 +testBS81\_2400  
45 +testBS81\_4800  
46 +testBS81\_9600

**testTS11**

47 [TSPC\_Serv\_TS11]  
48 +check(C\_Telephony)  
49 [NOT TSPC\_Serv\_TS11]

**testTS12**

50 [TSPC\_Serv\_TS12]  
51 +check(C\_EmgCallSRV)  
52 [NOT TSPC\_Serv\_TS12]

**testTS61\_2400**

53 [TSPC\_Serv\_TS61\_2400]  
54 +check(C\_AltSpchG3\_2400)  
55 [NOT TSPC\_Serv\_TS61\_2400]

**testTS61\_4800**

56 [TSPC\_Serv\_TS61\_4800]  
57 +check(C\_AltSpchG3\_4800)  
58 [NOT TSPC\_Serv\_TS61\_4800]

**testTS61\_9600**

59 [TSPC\_Serv\_TS61\_9600]  
60 +check(C\_AltSpchG3\_9600)  
61 [NOT TSPC\_Serv\_TS61\_9600]

**testTS62\_2400**

62 [TSPC\_Serv\_TS62\_2400]  
63 +check(C\_AutoG3\_T\_2400)  
64 [NOT TSPC\_Serv\_TS62\_2400]

**testTS62\_4800**

65 [TSPC\_Serv\_TS62\_4800]  
66 +check(C\_AutoG3\_T\_4800)  
67 [NOT TSPC\_Serv\_TS62\_4800]

**testTS62\_9600**

68 [TSPC\_Serv\_TS62\_9600]  
69 +check(C\_AutoG3\_T\_9600)  
70 [NOT TSPC\_Serv\_TS62\_9600]

**testBS21**

71 [TSPC\_Serv\_BS21]  
72 +check(C\_300cda)  
73 [NOT TSPC\_Serv\_BS21]

**testBS22**

74 [TSPC\_Serv\_BS22]  
75 +check(C\_1200cda)  
76 [NOT TSPC\_Serv\_BS22]

**testBS23**

77 [TSPC\_Serv\_BS23]  
78 +check(C\_120075cda)  
79 [NOT TSPC\_Serv\_BS23]

**testBS24**

80 [TSPC\_Serv\_BS24]  
81 +check(C\_2400cda)  
82 [NOT TSPC\_Serv\_BS24]

**testBS25**

83 [TSPC\_Serv\_BS25]  
84 +check(C\_4800cda)  
85 [NOT TSPC\_Serv\_BS25]

**testBS26**

86 [TSPC\_Serv\_BS26]  
87 +check(C\_9600cda)  
88 [NOT TSPC\_Serv\_BS26]

**testBS31**

89 [TSPC\_Serv\_BS31]  
90 +check(C\_1200cda)  
91 [NOT TSPC\_Serv\_BS31]

**testBS32**

92 [TSPC\_Serv\_BS32]  
93 +check(C\_2400cda)  
94 [NOT TSPC\_Serv\_BS32]

**testBS33**

95 [TSPC\_Serv\_BS33]  
96 +check(C\_4800cda)  
97 [NOT TSPC\_Serv\_BS33]

**testBS34**

98 [TSPC\_Serv\_BS34]  
99 +check(C\_9600cda)  
100 [NOT TSPC\_Serv\_BS34]

**testBS41**

101 [TSPC\_Serv\_BS41]  
102 +check(C\_PAD300)  
103 [NOT TSPC\_Serv\_BS41]

**testBS42**

104 [TSPC\_Serv\_BS42]  
105 +check(C\_PAD1200)  
106 [NOT TSPC\_Serv\_BS42]

**testBS43**

107 [TSPC\_Serv\_BS43]  
108 +check(C\_PAD120075)  
109 [NOT TSPC\_Serv\_BS43]

**testBS44**

110 [TSPC\_Serv\_BS44]  
111 +check(C\_PAD2400)  
112 [NOT TSPC\_Serv\_BS44]

**testBS45**

113 [TSPC\_Serv\_BS45]  
114 +check(C\_PAD4800)  
115 [NOT TSPC\_Serv\_BS45]

**testBS46**

116 [TSPC\_Serv\_BS46]  
117 +check(C\_PAD9600)  
118 [NOT TSPC\_Serv\_BS46]

|     |                              |
|-----|------------------------------|
| 119 | <b>testBS51</b>              |
| 120 | [TSPC_Serv_BS51]             |
| 121 | +check(C_Pkt2400)            |
|     | [NOT TSPC_Serv_BS51]         |
|     | <b>testBS52</b>              |
| 122 | [TSPC_Serv_BS52]             |
| 123 | +check(C_Pkt4800)            |
| 124 | [NOT TSPC_Serv_BS52]         |
|     | <b>testBS53</b>              |
| 125 | [TSPC_Serv_BS53]             |
| 126 | +check(C_Pkt9600)            |
| 127 | [NOT TSPC_Serv_BS53]         |
|     | <b>testBS61_300</b>          |
| 128 | [TSPC_Serv_BS61_300]         |
| 129 | +check(C_AltSpchData_300)    |
| 130 | [NOT TSPC_Serv_BS61_300]     |
|     | <b>testBS61_1200</b>         |
| 131 | [TSPC_Serv_BS61_1200]        |
| 132 | +check(C_AltSpchData_1200)   |
| 133 | [NOT TSPC_Serv_BS61_1200]    |
|     | <b>testBS61_120075</b>       |
| 134 | [TSPC_Serv_BS61_120075]      |
| 135 | +check(C_AltSpchData_120075) |
| 136 | [NOT TSPC_Serv_BS61_120075]  |
|     | <b>testBS61_2400</b>         |
| 137 | [TSPC_Serv_BS61_2400]        |
| 138 | +check(C_AltSpchData_2400)   |
| 139 | [NOT TSPC_Serv_BS61_2400]    |
|     | <b>testBS61_4800</b>         |
| 140 | [TSPC_Serv_BS61_4800]        |
| 141 | +check(C_AltSpchData_4800)   |
| 142 | [NOT TSPC_Serv_BS61_4800]    |
|     | <b>testBS61_9600</b>         |
| 143 | [TSPC_Serv_BS61_9600]        |
| 144 | +check(C_AltSpchData_9600)   |
| 145 | [NOT TSPC_Serv_BS61_9600]    |
|     | <b>testBS81_300</b>          |
| 146 | [TSPC_Serv_BS81_300]         |
| 147 | +check(C_SpchData_300)       |
| 148 | [NOT TSPC_Serv_BS81_300]     |
|     | <b>testBS81_1200</b>         |
| 149 | [TSPC_Serv_BS81_1200]        |
| 150 | +check(C_SpchData_1200)      |
| 151 | [NOT TSPC_Serv_BS81_1200]    |
|     | <b>testBS81_120075</b>       |
| 152 | [TSPC_Serv_BS81_120075]      |
| 153 | +check(C_SpchData_120075)    |
| 154 | [NOT TSPC_Serv_BS81_120075]  |
|     | <b>testBS81_2400</b>         |
| 155 | [TSPC_Serv_BS81_2400]        |
| 156 | +check(C_SpchData_2400)      |
| 157 | [NOT TSPC_Serv_BS81_2400]    |

|     |                                                                                  |                                                                                      |                         |
|-----|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------|
| 158 | <b>testBS81_4800</b>                                                             |                                                                                      |                         |
| 159 | [TSPC_Serv_BS81_4800]                                                            |                                                                                      |                         |
| 160 | +check(C_SpchData_4800)                                                          |                                                                                      |                         |
|     | [NOT TSPC_Serv_BS81_4800]                                                        |                                                                                      |                         |
|     | <b>testBS81_9600</b>                                                             |                                                                                      |                         |
| 161 | [TSPC_Serv_BS81_9600]                                                            |                                                                                      |                         |
| 162 | +check(C_SpchData_9600)                                                          |                                                                                      |                         |
| 163 | [NOT TSPC_Serv_BS81_9600]                                                        |                                                                                      |                         |
|     | <b>check(srv:IA5String)</b>                                                      |                                                                                      |                         |
| 164 | +InitCall(srv)                                                                   |                                                                                      |                         |
| 165 | +BasicServiceMO(srv, C_Full)                                                     |                                                                                      |                         |
| 166 | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn) | ChReq_17                                                                             |                         |
| 167 | ACTIVATE(OtherEventsFail_02)                                                     |                                                                                      | To match ChReq retrans. |
| 168 | LIDL_UdatRqImmss                                                                 | ImmAss_01Def(TCV_<br>agch, TCV_Rr,<br>TCV_Fn, TCV_slot,<br>TCV_tsc,<br>TimingAdv_01) |                         |
| 169 | L?DL_EstInCmsRq                                                                  | CmsReq_01                                                                            |                         |
| 170 | ACTIVATE(OtherEventsFail)                                                        |                                                                                      | Restore Normal default  |
| 171 | +Authentication(TCV_ch, TCV_cksn)                                                |                                                                                      |                         |
| 172 | +Cipherring_on(TCV_ch)                                                           |                                                                                      |                         |
| 173 | +ltree_receive_setup(srv)                                                        |                                                                                      |                         |
| 174 | +PostMainLinkRel(TCV_ch)                                                         |                                                                                      |                         |
| 175 | (TCV_Null :=<br>OM_CphMd(TCV_ch,<br>CphMod_02, TCV_CphKey))                      |                                                                                      |                         |
| 176 | [TCV_Res]                                                                        |                                                                                      | (P)                     |
| 177 | [NOT TCV_Res]                                                                    |                                                                                      | (F)                     |
|     | <b>ltree_receive_setup(srv:IA5String)</b>                                        |                                                                                      |                         |
| 178 | [srv = C_Telephony]                                                              |                                                                                      |                         |
| 179 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg)                           | SetupIn_TS_11_12                                                                     |                         |
| 180 | [srv = C_EmgCallSRV]                                                             |                                                                                      |                         |
| 181 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg)                           | SetupIn_TS_11_12                                                                     |                         |
| 182 | [srv = C_AltSpchG3_2400]                                                         |                                                                                      |                         |
| 183 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg)                           | SetupIn_TS_61_2400                                                                   |                         |
| 184 | [srv = C_AltSpchG3_4800]                                                         |                                                                                      |                         |
| 185 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg)                           | SetupIn_TS_61_4800                                                                   |                         |
| 186 | [srv = C_AltSpchG3_9600]                                                         |                                                                                      |                         |
| 187 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg)                           | SetupIn_TS_61_9600                                                                   |                         |
| 188 | [srv = C_AutoG3_T_2400]                                                          |                                                                                      |                         |
| 189 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg)                           | SetupIn_TS_62_2400                                                                   |                         |
| 190 | [srv = C_AutoG3_T_4800]                                                          |                                                                                      |                         |
| 191 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg)                           | SetupIn_TS_62_4800                                                                   |                         |
| 192 | [srv = C_AutoG3_T_9600]                                                          |                                                                                      |                         |
| 193 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg)                           | SetupIn_TS_62_9600                                                                   |                         |
| 194 | [srv = C_300cda]                                                                 |                                                                                      |                         |
| 195 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg)                           | SetupIn_BS_21                                                                        |                         |
| 196 | [srv = C_1200cda]                                                                |                                                                                      |                         |
| 197 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg)                           | SetupIn_BS_22                                                                        |                         |
| 198 | [srv = C_120075cda]                                                              |                                                                                      |                         |
| 199 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg)                           | SetupIn_BS_23                                                                        |                         |

|     |                                                        |                          |
|-----|--------------------------------------------------------|--------------------------|
| 200 | [srv = C_2400cda]                                      |                          |
| 201 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg) | SetupIn_BS_24            |
| 202 | [srv = C_4800cda]                                      |                          |
| 203 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg) | SetupIn_BS_25            |
| 204 | [srv = C_9600cda]                                      |                          |
| 205 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg) | SetupIn_BS_26            |
| 206 | [srv = C_1200cda]                                      |                          |
| 207 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg) | SetupIn_BS_31            |
| 208 | [srv = C_2400cda]                                      |                          |
| 209 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg) | SetupIn_BS_32            |
| 210 | [srv = C_4800cda]                                      |                          |
| 211 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg) | SetupIn_BS_33            |
| 212 | [srv = C_9600cda]                                      |                          |
| 213 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg) | SetupIn_BS_34            |
| 214 | [srv = C_PAD300]                                       |                          |
| 215 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg) | SetupIn_BS_41            |
| 216 | [srv = C_PAD1200]                                      |                          |
| 217 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg) | SetupIn_BS_42            |
| 218 | [srv = C_PAD120075]                                    |                          |
| 219 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg) | SetupIn_BS_43            |
| 220 | [srv = C_PAD2400]                                      |                          |
| 221 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg) | SetupIn_BS_44            |
| 222 | [srv = C_PAD4800]                                      |                          |
| 223 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg) | SetupIn_BS_45            |
| 224 | [srv = C_PAD9600]                                      |                          |
| 225 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg) | SetupIn_BS_46            |
| 226 | [srv = C_Pkt2400]                                      |                          |
| 227 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg) | SetupIn_BS_51            |
| 228 | [srv = C_Pkt4800]                                      |                          |
| 229 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg) | SetupIn_BS_52            |
| 230 | [srv = C_Pkt9600]                                      |                          |
| 231 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg) | SetupIn_BS_53            |
| 232 | [srv = C_AltSpchData_300]                              |                          |
| 233 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg) | SetupIn_BS_61_300        |
| 234 | [srv = C_AltSpchData_1200]                             |                          |
| 235 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg) | SetupIn_BS_61_1200       |
| 236 | [srv = C_AltSpchData_120075]                           |                          |
| 237 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg) | SetupIn_BS_61_1200<br>75 |
| 238 | [srv = C_AltSpchData_2400]                             |                          |
| 239 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg) | SetupIn_BS_61_2400       |
| 240 | [srv = C_AltSpchData_4800]                             |                          |
| 241 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg) | SetupIn_BS_61_4800       |
| 242 | [srv = C_AltSpchData_9600]                             |                          |
| 243 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg) | SetupIn_BS_61_9600       |
| 244 | [srv = C_SpchData_300]                                 |                          |
| 245 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg) | SetupIn_BS_81_300        |

|     |                                                        |                          |  |
|-----|--------------------------------------------------------|--------------------------|--|
| 246 | [srv = C_SpchData_1200]                                |                          |  |
| 247 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg) | SetupIn_BS_81_1200       |  |
| 248 | [srv = C_SpchData_120075]                              |                          |  |
| 249 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg) | SetupIn_BS_81_1200<br>75 |  |
| 250 | [srv = C_SpchData_2400]                                |                          |  |
| 251 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg) | SetupIn_BS_81_2400       |  |
| 252 | [srv = C_SpchData_4800]                                |                          |  |
| 253 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg) | SetupIn_BS_81_4800       |  |
| 254 | [srv = C_SpchData_9600]                                |                          |  |
| 255 | L?DL_DatInSetup (TCV_Setup_mo :=<br>DL_DatInSetup.msg) | SetupIn_BS_81_9600       |  |

**Detailed Comments:**

### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_11_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Group:</b>          | GSM_L3_MS_v4160/General/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purpose:</b>        | <p>1. To verify that the MS, for the case of the Single Numbering Scheme, accepts a SETUP message, where the Information Elements for Bearer Capability and Lower and Higher Layer Compatibility are not present by sending a CALL CONFIRMED message which includes the single or multiple Bearer Capabilities, according to the actual configuration on the MS.</p> <p>This is verified for one Mobile Terminated Bearer Services / Teleservices described in GSM 07.01 and declared as supported by the MS.</p> <p>2. To verify that the MS includes a correctly encoded Repeat Indicator if it includes multiple Bearer Capabilities in the CALL CONFIRMED message.</p> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

| Nr | Label | Behaviour Description                                                                                                                                                                           | CRef               | V   | Comments |
|----|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----|----------|
| 1  |       | START T_guard(300)                                                                                                                                                                              |                    |     |          |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                            |                    |     |          |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                 |                    |     |          |
| 4  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef), TCV_cksn := TSPX_CKSNDf) |                    |     |          |
| 5  |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                        |                    | 1.  |          |
| 6  |       | (TCV_Null := OO_IFsetup(TSPX_BscSvc))                                                                                                                                                           |                    | 2.  |          |
| 7  |       | +preamble                                                                                                                                                                                       |                    |     |          |
| 8  |       | L!DL_DatRqSetup                                                                                                                                                                                 | SetupRq_03(TCV_ch) |     | 3.       |
| 9  |       | L?DL_DatInCallCo (TCV_CallCfm := DL_DatInCallCo.msg)                                                                                                                                            | CallCfm_01         |     |          |
| 10 |       | (TCV_Res := OC_CallComfVerify(TCV_CallCfm, TSPX_BscSvc))                                                                                                                                        |                    |     | 4.       |
| 11 |       | [TCV_Res]                                                                                                                                                                                       |                    | (P) |          |
| 12 |       | [NOT TCV_Res]                                                                                                                                                                                   |                    | (F) |          |
|    |       | <b>preamble</b>                                                                                                                                                                                 |                    |     |          |
| 13 |       | +PreEstRRConn(TCV_slot, TCV_tsc, TimingAdv_01)                                                                                                                                                  |                    |     |          |
| 14 |       | L!DL_DatRqAuthRq                                                                                                                                                                                | AuthReq_01(TCV_ch) |     |          |
| 15 |       | L?DL_DatInAuthRes (TCV_Sres := DL_DatInAuthRes.msg.sres)                                                                                                                                        | AuthRes_01         |     |          |
| 16 |       | (TCV_Res := OC_ChkSRES(TCV_Sres, TSPX_Ki, TSPX_RANDDef))                                                                                                                                        |                    |     |          |
| 17 |       | [TCV_Res = FALSE]                                                                                                                                                                               |                    | (I) |          |
| 18 |       | +Ciphering_on(TCV_ch)                                                                                                                                                                           |                    |     |          |
| 19 |       | [TCV_Res = TRUE]                                                                                                                                                                                |                    |     |          |
| 20 |       | +Ciphering_on(TCV_ch)                                                                                                                                                                           |                    |     |          |

|                           |                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Detailed Comments:</b> | <ol style="list-style-type: none"> <li>1. To setup physical channel for BCCH, CCCH and SDCCH4 channels.</li> <li>2. To ask operator to configure the MS for required basic service.</li> <li>3. To send a SETUP_PDU without bearer capabilities and lower and higher layer compatibilities.</li> <li>4. To check whether the received CALL COMFIRM PDU is correct.</li> </ol> |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |                         |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|---|-------------------------|
| <b>Test Case Name:</b>      |       | TC_11_3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                         |   |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/General/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |                         |
| <b>Purpose:</b>             |       | <p>1. To verify that an MS claiming to not support AOCC and in the outgoing call / U4 call delivered state, on receipt of a CONNECT message containing AOCC information acknowledges the CONNECT message but ignores and does not acknowledge the AOCC information sent within the CONNECT.</p> <p>2. To verify that an MS claiming to not support AOCC and in the outgoing call / U4 call delivered state, on receipt of a FACILITY message containing AOCC information ignores and does not acknowledge the AOCC information contained within the FACILITY.</p> <p>3. To verify that an MS claiming to not support AOCC and in the incoming call / U9 call confirmed state, on receipt of a FACILITY message containing AOCC information ignores and does not acknowledge the AOCC information contained within the FACILITY.</p> <p>4. To verify that an MS claiming to not support AOCC and in the U10 call active state, on receipt of a FACILITY message containing AOCC information ignores and does not acknowledge the AOCC information contained within the FACILITY.</p> |                                                                         |   |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | CRef                                                                    | V | Comments                |
| 1                           |       | START T_guard(600)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                         |   |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                         |   |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |                         |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |                         |
| 5                           |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                         |   | 1.                      |
| 6                           |       | +test1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         |   | 2.                      |
| 7                           |       | +test2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         |   | 3.                      |
| 8                           |       | +test3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         |   | 4.                      |
| 9                           |       | +test4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         |   | 5.                      |
|                             |       | <b>test1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                         |   |                         |
| 10                          |       | +AttmpFullRateCall                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                         |   |                         |
| 11                          |       | +BasicServiceMO(TSPX_MO_BscSvc_FRCall, C_Full)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |                         |
| 12                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ChReq_17                                                                |   |                         |
| 13                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                         |   | To match ChReq retrans. |
| 14                          |       | L!DL_UdatRqImmass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |   |                         |
| 15                          |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | CmserReq_01                                                             |   |                         |
| 16                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |   | Restore Normal default  |
| 17                          |       | +Authentication(TCV_ch, TSPX_CKSNDDef)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         |   |                         |
| 18                          |       | +Cipherring_on(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         |   |                         |
| 19                          |       | +SetupRcvMo(SetupInd_01)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |                         |
| 20                          |       | L!DL_DatRqCallProc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CallProc(TCV_ch, TCV_CallProc)                                          |   |                         |
| 21                          |       | L!DL_DatRqAlert                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Alert_01(TCV_TI, TCV_ch)                                                |   |                         |
| 22                          |       | +asstrafch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |   |                         |
| 23                          |       | L!DL_DatRqConn START T_dly(15000)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Conn_02(TCV_TI, TCV_chTch)                                              |   |                         |
| 24                          |       | L?DL_DatInConnAck                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ConnAckRcv_01(TCV_TI0)                                                  |   |                         |



|    |                                                                                     |                                                                                      |     |                         |
|----|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----|-------------------------|
| 25 | L?DL_DatInFac<br>CANCEL T_dly                                                       | Facility_04(TCV_TI0)                                                                 | (F) |                         |
| 26 | +release                                                                            |                                                                                      |     |                         |
| 27 | ?TIMEOUT T_dly                                                                      |                                                                                      | (P) |                         |
| 28 | +release                                                                            |                                                                                      |     |                         |
| 29 | L?DL_DatInFac CANCEL<br>T_dly                                                       | Facility_04(TCV_TI0)                                                                 | (F) |                         |
| 30 | +release                                                                            |                                                                                      |     |                         |
| 31 | ?TIMEOUT T_dly                                                                      |                                                                                      | (P) |                         |
| 32 | +release                                                                            |                                                                                      |     |                         |
|    | <b>test2</b>                                                                        |                                                                                      |     |                         |
| 33 | +AttmpFullRateCall                                                                  |                                                                                      |     |                         |
| 34 | +BasicServiceMO(TSPX_MO_BscSvc_FRCall,<br>C_Full)                                   |                                                                                      |     |                         |
| 35 | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn) | ChReq_17                                                                             |     |                         |
| 36 | ACTIVATE(OtherEventsFail_02)                                                        |                                                                                      |     | To match ChReq retrans. |
| 37 | L!DL_UdatRqImmss                                                                    | ImmAss_01Def(TCV_<br>agch, TCV_Rr,<br>TCV_Fn, TCV_slot,<br>TCV_tsc,<br>TimingAdv_01) |     |                         |
| 38 | L?DL_EstInCmsRq                                                                     | CmserReq_01                                                                          |     |                         |
| 39 | ACTIVATE(OtherEventsFail)                                                           |                                                                                      |     | Restore Normal default  |
| 40 | +Authentication(TCV_ch,<br>TSPX_CKSNDf)                                             |                                                                                      |     |                         |
| 41 | +Cipherring_on(TCV_ch)                                                              |                                                                                      |     |                         |
| 42 | +SetupRcvMo(SetupInd_01)                                                            |                                                                                      |     |                         |
| 43 | L!DL_DatRqCallProc                                                                  | CallProc(TCV_ch,<br>TCV_CallProc)                                                    |     |                         |
| 44 | L!DL_DatRqAlert                                                                     | Alert_01(TCV_TI,<br>TCV_ch)                                                          |     |                         |
| 45 | +asstrafch                                                                          |                                                                                      |     |                         |
| 46 | L!DL_DatRqFac START<br>T_dly(15000)                                                 | FacilityRq_02(TCV_c<br>hTch, TCV_TI)                                                 |     |                         |
| 47 | L?DL_DatInFac CANCEL<br>T_dly                                                       | Facility_04(TCV_TI0)                                                                 | (F) |                         |
| 48 | +release                                                                            |                                                                                      |     |                         |
| 49 | ?TIMEOUT T_dly                                                                      |                                                                                      | (P) |                         |
| 50 | +release                                                                            |                                                                                      |     |                         |
|    | <b>test3</b>                                                                        |                                                                                      |     |                         |
| 51 | +BasicServiceMT(TSPX_MTBscSvcA, TSPX_MTChR<br>ateA, TSPX_MT_ImmConnA)               |                                                                                      |     |                         |
| 52 | +PreEstRRConn(TCV_slot, TCV_tsc,<br>TimingAdv_01)                                   |                                                                                      |     |                         |
| 53 | +Authentication(TCV_ch, TSPX_CKSNDf)                                                |                                                                                      |     |                         |
| 54 | +Cipherring_on(TCV_ch)                                                              |                                                                                      |     |                         |
| 55 | L!DL_DatRqSetup (TCV_TI.ti.f := '0'B,<br>TCV_TI.ti.v := '000'B)                     | SetupSnd(TCV_ch,<br>TCV_Setup_mt)                                                    |     |                         |
| 56 | L?DL_DatInCallCo                                                                    | CallCfm_01                                                                           |     |                         |
| 57 | L!DL_DatRqFac START T_dly(15000)                                                    | FacilityRq_02(TCV_c<br>hTch, TI_02)                                                  |     |                         |
| 58 | L?DL_DatInFac CANCEL T_dly                                                          | Facility_04(TI_01)                                                                   | (F) |                         |
| 59 | +release                                                                            |                                                                                      |     |                         |
| 60 | ?TIMEOUT T_dly                                                                      |                                                                                      | (P) |                         |
| 61 | +release                                                                            |                                                                                      |     |                         |
|    | <b>test4</b>                                                                        |                                                                                      |     |                         |
| 62 | (TCV_cksn := TSPX_CKSNDf)                                                           |                                                                                      |     |                         |
| 63 | +EstMsOrigFullRateCall(TimingAdv_01)                                                |                                                                                      |     |                         |
| 64 | L!DL_DatRqFac START T_dly(15000)                                                    | FacilityRq_02(TCV_c<br>hTch, TCV_TI)                                                 |     |                         |
| 65 | L?DL_DatInFac CANCEL T_dly                                                          | Facility_04(TCV_TI0)                                                                 | (F) |                         |
| 66 | +PostMainLinkRel(TCV_chTch)                                                         |                                                                                      |     |                         |
| 67 | ?TIMEOUT T_dly                                                                      |                                                                                      | (P) |                         |
| 68 | +PostMainLinkRel(TCV_chTch)                                                         |                                                                                      |     |                         |

|                           |                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
|---------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 69                        | <b>release</b>                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
| 70                        | +PostMainLinkRel(TCV_chTch)<br>(TCV_Null := OM_CphMd(TCV_ch, CphMod_02,<br>TCV_CphKey)) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
| 71                        | <b>asstrafch</b>                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
| 72                        | +AssCmdGenMO(C_Full)<br>+AssCh_complete(TCV_ch,TCV_chTch,TCV_AssC<br>md)                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
| <b>Detailed Comments:</b> |                                                                                         | <ol style="list-style-type: none"> <li>1. To setup physical channels for BCCH, CCCH, SDCCH4 and full rate traffic channels.</li> <li>2. To verify non-supported AOCC information carried by CONNECT message in the case of MO call state U4.</li> <li>3. To verify non-supported AOCC information carried by FACILITY message in the case of MO call state U4.</li> <li>4. To verify non-supported AOCC information carried by FACILITY message in the case of MT call state U9.</li> <li>5. To verify non-supported AOCC information carried by FACILITY message in the case of MO call state U10.</li> </ol> |  |  |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                           |                  |     |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_11_4                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/General/                                                                                                                                                                                                                                                                                                                                                                                                  |                  |     |          |
| <b>Purpose:</b>             |       | To verify that an MS claiming to not support the Call Hold supplementary service and in the U10 call active state, reacts in the following manner when the appropriate call hold MMI command is entered: <ul style="list-style-type: none"> <li>- MS fails to put the first call on hold</li> <li>- MS fails to place the second call.</li> <li>- Optionally provides some indication to the user of an error.</li> </ul> |                  |     |          |
| <b>Default:</b>             |       | OtherEvents_01                                                                                                                                                                                                                                                                                                                                                                                                            |                  |     |          |
| <b>Comments:</b>            |       | other irrelevant messages will be discarded by the default tree.                                                                                                                                                                                                                                                                                                                                                          |                  |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                     | CRef             | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                        |                  |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                      |                  |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot,<br>TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B,<br>'00'O)                                                                                                                                                                                                                                                                                                                     |                  |     |          |
| 4                           |       | (TCV_ch :=<br>OC_SubchOfSdcch4(TSPX_SDCCH4SubDef,<br>C_CellA), TCV_sacch :=<br>OC_SubchOfSacch4(TSPX_SDCCH4SubDef,<br>C_CellA), TCV_chTch := C_FACCHF_A_1,<br>TCV_sacchTch := C_SACCHF_A_1,<br>TCV_CphKey := OC_CphKeyGen(TSPX_Ki,<br>TSPX_RANDDef), TCV_cks :=<br>TSPX_CKSNDf)                                                                                                                                           |                  |     |          |
| 5                           |       | +PreEnterIdleState_04(C_Immass,TCV_slot,<br>TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlfDef,<br>TSPX_TscDef, TimingAdv_01, '000'B, '001'B,<br>'011'B, '00'O)                                                                                                                                                                                                                                                                       |                  |     | 1.       |
| 6                           |       | +EstMsOrigFullRateCall(TimingAdv_01)                                                                                                                                                                                                                                                                                                                                                                                      |                  |     | 2.       |
| 7                           |       | (TCV_Null := OO_CallHold())                                                                                                                                                                                                                                                                                                                                                                                               |                  |     | 3.       |
| 8                           |       | START T_dly(3000)                                                                                                                                                                                                                                                                                                                                                                                                         |                  |     |          |
| 9                           |       | L?DL_DatInHold CANCEL T_dly                                                                                                                                                                                                                                                                                                                                                                                               | Hold_01(TCV_Tl0) | (F) | 4.       |
| 10                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                               |                  |     |          |
| 11                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                            |                  | (P) | 5.       |
| 12                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                               |                  |     |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To setup physical channels for BCCH, CCCH, SDCCH4 and full rate traffic channels.</li> <li>2. To bring the MS into U10 state of mobile originating call.</li> <li>3. To enter hold MMI command.</li> <li>4. The MS sends out HOLD message, fail.</li> <li>5. Within 3 seconds there is no HOLD message, pass.</li> </ol>                                                        |                  |     |          |

| Test Case Dynamic Behaviour                                                                                                                                                                                                                                                                                                                                                                                                                               |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                   |     |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----|----------|
| <b>Test Case Name:</b> TC_11_5                                                                                                                                                                                                                                                                                                                                                                                                                            |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                   |     |          |
| <b>Group:</b> GSM_L3_MS_v4160/General/                                                                                                                                                                                                                                                                                                                                                                                                                    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                   |     |          |
| <b>Purpose:</b> To verify that an MS claiming to not support the MultiParty supplementary service and in the U10 call active state with one call and another call on hold, reacts in the following manner when the appropriate MultiParty MMI command is entered:<br><ul style="list-style-type: none"> <li>- Fails to combine the three parties in a MultiParty call.</li> <li>- Optionally provides some indication to the user of an error.</li> </ul> |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                   |     |          |
| <b>Default:</b> OtherEvents_01                                                                                                                                                                                                                                                                                                                                                                                                                            |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                   |     |          |
| <b>Comments:</b> other irrelevant messages will be discarded by the default tree.                                                                                                                                                                                                                                                                                                                                                                         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                   |     |          |
| Nr                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                      | CRef                              | V   | Comments |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                   |     |          |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |     |          |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                            |                                   |     |          |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef), TCV_cksn := TSPX_CKSNDf)                                                                                                                                                                                                   |                                   |     |          |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                               |                                   |     | 1.       |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | +EstMsOrigFullRateCall(TimingAdv_01)                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |     | 2.       |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | (TCV_Null := OO_CallHold())                                                                                                                                                                                                                                                                                                                                                                                                                                |                                   |     |          |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | L?DL_DatInHold                                                                                                                                                                                                                                                                                                                                                                                                                                             | Hold_01(TCV_TI0)                  |     |          |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | LIDL_DatRqHoldAck                                                                                                                                                                                                                                                                                                                                                                                                                                          | HoldAck_01(TCV_TI, TCV_chTch)     |     |          |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                                                                                                                            | CmserReq_01                       |     |          |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | LIDL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                                                                                                                                           | CmserAcp_01(TCV_chTch)            |     |          |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | +SetupRcvMo2(SetupInd_01)                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                   |     |          |
| 13                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | +continue                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                   |     |          |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | <b>continue</b><br>LIDL_DatRqCallProc                                                                                                                                                                                                                                                                                                                                                                                                                      | CallProc(TCV_chTch, TCV_CallProc) |     |          |
| 15                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | LIDL_DatRqAlert                                                                                                                                                                                                                                                                                                                                                                                                                                            | Alert_01(TCV_TI2, TCV_chTch)      |     |          |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | LIDL_DatRqConn                                                                                                                                                                                                                                                                                                                                                                                                                                             | Conn_01(TCV_TI2, TCV_chTch)       |     |          |
| 17                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | L?DL_DatInConnAck                                                                                                                                                                                                                                                                                                                                                                                                                                          | ConnAckRcv_01(TCV_TI1)            |     | 3.       |
| 18                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | (TCV_Null := OO_MptyCall())                                                                                                                                                                                                                                                                                                                                                                                                                                |                                   |     | 4.       |
| 19                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | START T_dly(3000)                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |     |          |
| 20                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | L?DL_DatInFac CANCEL T_dly                                                                                                                                                                                                                                                                                                                                                                                                                                 | Facility_03(TCV_TI0, TCV_TI1)     | (F) | 5.       |
| 21                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                |                                   |     |          |
| 22                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   | (P) | 6.       |
| 23                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                |                                   |     |          |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | <ol style="list-style-type: none"> <li>1. To setup physical channels for BCCH, CCCH, SDCCH4 and full rate traffic channels.</li> <li>2. To bring the MS into U10 state of mobile originating call.</li> <li>3. The first call is on hold and second call is in active state.</li> <li>4. To enter MultiParty MMI command.</li> <li>5. The MS sends out FACILITY message, fail.</li> <li>6. Within 3 seconds there is no FACILITY message, pass.</li> </ol> |                                   |     |          |

| Test Case Dynamic Behaviour                                                                                                                                                          |       |                                                                                                                     |                                        |     |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----|----------|
| <b>Test Case Name:</b> TC_11_6                                                                                                                                                       |       |                                                                                                                     |                                        |     |          |
| <b>Group:</b> GSM_L3_MS_v4160/General/                                                                                                                                               |       |                                                                                                                     |                                        |     |          |
| <b>Purpose:</b>                                                                                                                                                                      |       |                                                                                                                     |                                        |     |          |
| 1. To verify that an MS claiming to not support FDN and that has a SIM with FDN allocated and activated inserted in it refuses an attempt to make an outgoing call made by the user. |       |                                                                                                                     |                                        |     |          |
| 2. To verify that an MS claiming to not support FDN and that has a SIM with FDN allocated and activated inserted in it does not answer to paging.                                    |       |                                                                                                                     |                                        |     |          |
| <b>Default:</b> OtherEventsFail                                                                                                                                                      |       |                                                                                                                     |                                        |     |          |
| Nr                                                                                                                                                                                   | Label | Behaviour Description                                                                                               | CRef                                   | V   | Comments |
| 1                                                                                                                                                                                    |       | START T_guard(300)                                                                                                  |                                        |     |          |
| 2                                                                                                                                                                                    |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                |                                        |     |          |
| 3                                                                                                                                                                                    |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                     |                                        |     |          |
| 4                                                                                                                                                                                    |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA)) |                                        |     |          |
| 5                                                                                                                                                                                    |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)            |                                        |     | 1.       |
| 6                                                                                                                                                                                    |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                      |                                        |     |          |
| 7                                                                                                                                                                                    |       | (TCV_Null := OO_SIM3Ins())                                                                                          |                                        |     | 2.       |
| 8                                                                                                                                                                                    |       | +AttmpCall                                                                                                          |                                        |     | 3.       |
| 9                                                                                                                                                                                    |       | +BasicServiceMO(TSPX_MO_BscSvc_AnyCall, TSPX_MO_rate_AnyCall)                                                       |                                        |     |          |
| 10                                                                                                                                                                                   |       | START T_dly(3000)                                                                                                   |                                        |     |          |
| 11                                                                                                                                                                                   |       | L?DL_RaInChRq CANCEL T_dly                                                                                          | ChReq_02                               | (F) |          |
| 12                                                                                                                                                                                   |       | START T_dly(5000)                                                                                                   |                                        |     | 4.       |
| 13                                                                                                                                                                                   |       | ?TIMEOUT T_dly                                                                                                      |                                        |     |          |
| 14                                                                                                                                                                                   |       | +continue                                                                                                           |                                        |     |          |
| 15                                                                                                                                                                                   |       | ?TIMEOUT T_dly                                                                                                      |                                        | (P) |          |
| 16                                                                                                                                                                                   |       | +continue                                                                                                           |                                        |     |          |
| 17                                                                                                                                                                                   |       | <b>continue</b><br>L!DL_UdatRqPg1Rq (DL_UdatRqPg1Rq.pgg := TCV_Pgg)                                                 | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01) |     | 5.       |
| 18                                                                                                                                                                                   |       | START T_dly(3000)                                                                                                   |                                        |     |          |
| 19                                                                                                                                                                                   |       | L?DL_RaInChRq CANCEL T_dly                                                                                          | ChReq_02                               | (F) |          |
| 20                                                                                                                                                                                   |       | ?TIMEOUT T_dly                                                                                                      |                                        | (P) | 6.       |
| <b>Detailed Comments:</b>                                                                                                                                                            |       |                                                                                                                     |                                        |     |          |
| 1. To setup a physical channel as BCCH, CCCH and SDCCH4.                                                                                                                             |       |                                                                                                                     |                                        |     |          |
| 2. To insert the SIM with FDN allocated and activated, the power on the MS.                                                                                                          |       |                                                                                                                     |                                        |     |          |
| 3. To attempt an outgoing CM connection.                                                                                                                                             |       |                                                                                                                     |                                        |     |          |
| 4. To wait the MS back to idle.                                                                                                                                                      |       |                                                                                                                     |                                        |     |          |
| 5. To page the MS.                                                                                                                                                                   |       |                                                                                                                     |                                        |     |          |
| 6. No CHANNEL REQUEST, pass                                                                                                                                                          |       |                                                                                                                     |                                        |     |          |

## Test Group InitialTest

| Test Case Dynamic Behaviour                                                                                                                                                                                                                                                                                          |       |                                                                                                          |                                        |     |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------|----------------------------------------|-----|----------|
| <b>Test Case Name:</b> TC_26_2_1_1                                                                                                                                                                                                                                                                                   |       |                                                                                                          |                                        |     |          |
| <b>Group:</b> GSM_L3_MS_v4160/InitialTest/                                                                                                                                                                                                                                                                           |       |                                                                                                          |                                        |     |          |
| <b>Purpose:</b>                                                                                                                                                                                                                                                                                                      |       |                                                                                                          |                                        |     |          |
| 1) To verify that the MS answers to a PAGING message by sending a CHANNEL REQUEST message within 0.7 seconds after reception of the PAGING message.                                                                                                                                                                  |       |                                                                                                          |                                        |     |          |
| 2) To verify that the MS does not always use the same delay between reception of paging message and sending of the CHANNEL REQUEST message. If an MS uses a fixed delay, there is a high probability that different MSs of the same product series use the same delay. There would then be a high risk of collision. |       |                                                                                                          |                                        |     |          |
| <b>Default:</b> OtherEventsFail_01                                                                                                                                                                                                                                                                                   |       |                                                                                                          |                                        |     |          |
| <b>Comments:</b> The default tree OtherEventsFail_01 throws away any possible retransmitted channel request messages.                                                                                                                                                                                                |       |                                                                                                          |                                        |     |          |
| Nr                                                                                                                                                                                                                                                                                                                   | Label | Behaviour Description                                                                                    | CRef                                   | V   | Comments |
| 1                                                                                                                                                                                                                                                                                                                    |       | START T_guard(1800)                                                                                      |                                        |     |          |
| 2                                                                                                                                                                                                                                                                                                                    |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                     |                                        |     |          |
| 3                                                                                                                                                                                                                                                                                                                    |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)          |                                        |     |          |
| 4                                                                                                                                                                                                                                                                                                                    |       | +PreEnterIdleState_02(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '000'B, '011'B, '00'O) |                                        |     |          |
| 5                                                                                                                                                                                                                                                                                                                    |       | (TCV_Cnt := 0)                                                                                           |                                        |     |          |
| 6                                                                                                                                                                                                                                                                                                                    |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                           |                                        |     |          |
| 7                                                                                                                                                                                                                                                                                                                    | body  | REPEAT localtree UNTIL [TCV_Cnt = 200]                                                                   |                                        |     |          |
| 8                                                                                                                                                                                                                                                                                                                    |       | (TCV_Res := OC_SaveAndProc1(TCV_Fk, C_PROC, TCV_Cnt, C_NotCombined))                                     |                                        |     | 1.       |
| 9                                                                                                                                                                                                                                                                                                                    |       | [TCV_Res = FALSE]                                                                                        |                                        | (F) | 2.       |
| 10                                                                                                                                                                                                                                                                                                                   |       | [TCV_Res = TRUE]                                                                                         |                                        | (P) |          |
| <b>localtree</b>                                                                                                                                                                                                                                                                                                     |       |                                                                                                          |                                        |     |          |
| 11                                                                                                                                                                                                                                                                                                                   |       | L!DL_UdatRqPg1Rq                                                                                         | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01) |     |          |
| 12                                                                                                                                                                                                                                                                                                                   |       | (TCV_Fn1 := OM_ReturnFn(C_PCH_A_1))                                                                      |                                        |     | 3.       |
| 13                                                                                                                                                                                                                                                                                                                   |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                          | ChReq_01                               |     |          |
| 14                                                                                                                                                                                                                                                                                                                   |       | (TCV_Fk := OC_RachSlots(TCV_Fn1, TCV_Fn, C_NotCombined, 0))                                              |                                        |     | 4.       |
| 15                                                                                                                                                                                                                                                                                                                   |       | [TCV_Fk < -9990]                                                                                         |                                        | (F) | 7.       |
| 16                                                                                                                                                                                                                                                                                                                   |       | [TCV_Fk >= 0]                                                                                            |                                        |     |          |
| 17                                                                                                                                                                                                                                                                                                                   |       | (TCV_Res := OC_SaveAndProc1(TCV_Fk, C_SAVE, TCV_Cnt, C_NotCombined))                                     |                                        |     | 5.       |
| 18                                                                                                                                                                                                                                                                                                                   |       | [TCV_Res = FALSE]                                                                                        |                                        | (F) | 6.       |
| 19                                                                                                                                                                                                                                                                                                                   |       | [TCV_Res = TRUE]                                                                                         |                                        | (P) |          |
| 20                                                                                                                                                                                                                                                                                                                   |       | L!DL_UdatRqImmRej                                                                                        | ImmAssRej_01(TCV_agch, TCV_Rr, TCV_Fn) |     |          |
| 21                                                                                                                                                                                                                                                                                                                   |       | START T_dly(5000)                                                                                        |                                        |     |          |
| 22                                                                                                                                                                                                                                                                                                                   |       | (TCV_Cnt := TCV_Cnt+1)                                                                                   |                                        |     |          |
| 23                                                                                                                                                                                                                                                                                                                   |       | ?TIMEOUT T_dly                                                                                           |                                        |     |          |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                            |       |                                                                                                          |                                        |     |          |
| 1. To analyse the delay of channel request msg.                                                                                                                                                                                                                                                                      |       |                                                                                                          |                                        |     |          |
| 2. The channel request messages are not spread equally.                                                                                                                                                                                                                                                              |       |                                                                                                          |                                        |     |          |
| 3. To get the frame number on which paging request was sent.                                                                                                                                                                                                                                                         |       |                                                                                                          |                                        |     |          |
| 4. To calculate the rach slots between paging request and channel request.                                                                                                                                                                                                                                           |       |                                                                                                          |                                        |     |          |
| 5. To record the delay of channel request msg.                                                                                                                                                                                                                                                                       |       |                                                                                                          |                                        |     |          |
| 6. MS is too slow to answer a paging msg.                                                                                                                                                                                                                                                                            |       |                                                                                                          |                                        |     |          |
| 7. Rach TDMA frame mapping is not correct.                                                                                                                                                                                                                                                                           |       |                                                                                                          |                                        |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |     |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_2_1_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                        |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/InitialTest/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |     |          |
| <b>Purpose:</b>             |       | <p>1) To verify that the MS spreads retransmission of a CHANNEL REQUEST message with equal probability on Tx-Integer time slots and correctly applies the fixed delay when the following conditions apply:</p> <ul style="list-style-type: none"> <li>- the CCCH is combined or not combined with SDCCHs;</li> <li>- the maximum number of retransmissions is equal to one of the following values: 1, 2, 4, 7, according to the value of TSPX_MaxRetrans.</li> <li>- Tx-Integer is put to any of the allowed values among those which are greater or equal to 6, according to the value of TSPX_Txint.</li> </ul> <p>2) To verify that the MS retransmits exactly Max_Retrans times a CHANNEL REQUEST message if the network never responds to the CHANNEL REQUEST message.</p> |                                        |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | CRef                                   | V   | Comments |
| 1                           |       | (TCV_K := ((230+TSPX_MaxRetrans-1) / TSPX_MaxRetrans), TCV_T := TCV_K * 20)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                        |     | 1.       |
| 2                           |       | START T_guard(TCV_T)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                        |     |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                        |     |          |
| 4                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |     |          |
| 5                           | body  | (TCV_S := OC_LookupS( TSPX_Txint, C_Combined), TCV_slot := C_S0, TCV_tsc := C_BCC, TCV_ch := OC_SubchOfSdcch4( TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4( TSPX_SDCCH4SubDef, C_CellA))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                        |     | 2.       |
| 6                           |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, TSPX_Txint, TSPX_MaxRetrans, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |     |          |
| 7                           |       | +localtree(C_Combined)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                        |     |          |
| 8                           |       | (TCV_S := OC_LookupS( TSPX_Txint, C_NotCombined), TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                        |     | 2.       |
| 9                           |       | +PreEnterIdleState_02(C_Immass, TCV_slot, TCV_tsc, TSPX_Txint, TSPX_MaxRetrans, 0, TimingAdv_01, '000'B, '000'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |     |          |
| 10                          |       | +localtree(C_NotCombined)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                        |     |          |
|                             |       | <b>localtree(mode: BOOLEAN)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |     |          |
| 11                          |       | (TCV_kcnt := 0, TCV_M := 0)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                        |     |          |
| 12                          |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                        |     |          |
| 13                          |       | REPEAT localtree1(mode) UNTIL [TCV_kcnt = TCV_K]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        |     |          |
| 14                          |       | (TCV_Res := OC_InRang(TSPX_Txint, TSPX_MaxRetrans, TCV_M))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |     |          |
| 15                          |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        | (P) |          |
| 16                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        | (F) |          |
|                             |       | <b>localtree1(mode: BOOLEAN)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        |     |          |
| 17                          |       | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01) |     | 3.       |
| 18                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn1 := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ChReq_01                               |     |          |
| 19                          |       | (TCV_Cnt := 0)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                        |     |          |
| 20                          |       | REPEAT localtree2(mode) UNTIL [TCV_Cnt = TSPX_MaxRetrans]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                        |     |          |
| 21                          |       | (TCV_kcnt := TCV_kcnt + 1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |     |          |
|                             |       | <b>localtree2(mode: BOOLEAN)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        |     |          |
| 22                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ChReq_01                               |     |          |

|                           |                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |    |
|---------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 23                        | msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)<br>(TCV_Fk := OC_RachSlots(TCV_Fn1, TCV_Fn,<br>mode, 1), TCV_Fn1 := TCV_Fn) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     | 4. |
| 24                        | [(TCV_Fk >= TCV_S) AND (TCV_Fk <=<br>(TCV_S+TSPX_Txint- 1))]                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (P) | 5. |
| 25                        | [TCV_Fk >= (TCV_S+(TSPX_Txint+ 1)/2)]                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |    |
| 26                        | (TCV_M := TCV_M+1,TCV_Cnt :=<br>TCV_Cnt+1)                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |    |
| 27                        | +localtree3                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |    |
| 28                        | [TCV_Fk <(TCV_S+(TSPX_Txint+ 1)/2)]                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |    |
| 29                        | +localtree3                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |    |
| 30                        | [(TCV_Fk < TCV_S) OR(TCV_Fk<br>>(TCV_S+TSPX_Txint - 1))]                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (F) | 6. |
|                           | <b>localtree3</b>                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |    |
| 31                        | [TCV_kcnt = TCV_K]                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |    |
| 32                        | START T_dly(3000)                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |    |
| 33                        | ?TIMEOUT T_dly                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (P) |    |
| 34                        | [TCV_kcnt < TCV_K]                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |    |
| 35                        | L!DL_UdatRqImmAssRej                                                                                                | ImmAssRej_02(TCV_<br>agch, TCV_Rr,<br>TCV_Fn)                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |    |
| <b>Detailed Comments:</b> |                                                                                                                     | <ol style="list-style-type: none"> <li>1. To setup the timeout value for guard timer, each excuton of one sequence= 10s.</li> <li>2. To generate the required parameters.</li> <li>3. To start the measuring.</li> <li>4. To get the number of the CCCH RACH slots between the moment where the last CHANNEL REQUEST received and the reception of the new CHANNEL REQUEST.</li> <li>5. The f(i, k) is in the set {S, S+1, ...S+T-1}.</li> <li>6. The f(i, k) is not in the set {S, S+1, ...S+T-1}, fail.</li> </ol> |     |    |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                              |                                        |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_2_1_3                                                                                                                                                                                                                                                                                                                                                  |                                        |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/InitialTest/                                                                                                                                                                                                                                                                                                                                 |                                        |   |          |
| <b>Purpose:</b>             |       | To verify that an MS produces different random references for a CHANNEL REQUEST. If a MS always produces the same random reference, it makes possible that different MSs of the same product series produce the same random reference.                                                                                                                       |                                        |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                              |                                        |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                        | CRef                                   | V | Comments |
| 1                           |       | START T_guard(360)                                                                                                                                                                                                                                                                                                                                           |                                        |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                         |                                        |   |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                              |                                        |   |          |
| 4                           |       | +PreEnterIdleState_02(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '000'B, '011'B, '00'O)                                                                                                                                                                                                                                                     |                                        |   |          |
| 5                           | body  | (TCV_Cnt := 0)                                                                                                                                                                                                                                                                                                                                               |                                        |   |          |
| 6                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                                                               |                                        |   |          |
| 7                           |       | REPEAT localtree UNTIL [TCV_Cnt = 7]                                                                                                                                                                                                                                                                                                                         |                                        |   |          |
| 8                           |       | (TCV_Res := OC_SaveAndProc3(TCV_Rr, C_PROC, TCV_Cnt))                                                                                                                                                                                                                                                                                                        |                                        |   | 1.       |
| 9                           |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                             |                                        | P |          |
| 10                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                            |                                        | F | 2.       |
|                             |       | <b>localtree</b>                                                                                                                                                                                                                                                                                                                                             |                                        |   |          |
| 11                          |       | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                             | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01) |   |          |
| 12                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf)                                                                                                                                                                                                                                                                                                           | ChReq_01                               |   |          |
| 13                          |       | (TCV_Null := OC_SaveAndProc3(TCV_Rr, C_SAVE, TCV_Cnt))                                                                                                                                                                                                                                                                                                       |                                        |   | 3.       |
| 14                          |       | L?DL_RaInChRq                                                                                                                                                                                                                                                                                                                                                | ChReq_01                               |   | 4.       |
| 15                          |       | START T_dly(5000)                                                                                                                                                                                                                                                                                                                                            |                                        |   | 5.       |
| 16                          |       | (TCV_Cnt := TCV_Cnt+1)                                                                                                                                                                                                                                                                                                                                       |                                        |   |          |
| 17                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                               |                                        |   |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To analyse the distribution of the random references.</li> <li>2. The random references are not randomly distributed.</li> <li>3. To record the random reference.</li> <li>4. The MS retransmits the channel request once more.</li> <li>5. To wait long enough to guarantee that the MS is in service.</li> </ol> |                                        |   |          |



| Test Case Dynamic Behaviour                                                                                                                                                                                                     |       |                                                                                                                     |      |   |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Case Name:</b> TC_26_2_2                                                                                                                                                                                                |       |                                                                                                                     |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/InitialTest/                                                                                                                                                                                      |       |                                                                                                                     |      |   |          |
| <b>Purpose:</b>                                                                                                                                                                                                                 |       |                                                                                                                     |      |   |          |
| 1) To verify that the MS correctly performs IMSI detach/attach procedures when it is required by the network and upon deactivation/activation or SIM removal/insertion and does not perform these procedures when not required. |       |                                                                                                                     |      |   |          |
| 2) To verify that the mobile station acknowledges a re-allocated TMSI during IMSI attach.                                                                                                                                       |       |                                                                                                                     |      |   |          |
| <b>Default:</b> OtherEventsFail                                                                                                                                                                                                 |       |                                                                                                                     |      |   |          |
| Nr                                                                                                                                                                                                                              | Label | Behaviour Description                                                                                               | CRef | V | Comments |
| 1                                                                                                                                                                                                                               |       | START T_guard(300)                                                                                                  |      |   |          |
| 2                                                                                                                                                                                                                               |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                |      |   |          |
| 3                                                                                                                                                                                                                               |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                     |      |   |          |
| 4                                                                                                                                                                                                                               |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA)) |      |   |          |
| 5                                                                                                                                                                                                                               |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)            |      |   |          |
| 6                                                                                                                                                                                                                               | body  | +procedure1                                                                                                         |      |   |          |
| 7                                                                                                                                                                                                                               |       | +procedure2                                                                                                         |      |   |          |
| 8                                                                                                                                                                                                                               |       | +SetATT(5, 1, 1, 0, '000'B, '001'B, '011'B, '00'O)                                                                  |      |   | 1.       |
| 9                                                                                                                                                                                                                               |       | +procedures3                                                                                                        |      |   |          |
| 10                                                                                                                                                                                                                              |       | +procedures4                                                                                                        |      |   |          |
| <b>procedure1</b>                                                                                                                                                                                                               |       |                                                                                                                     |      |   |          |
| 11                                                                                                                                                                                                                              |       | +SwitchoffOrPowerdown                                                                                               |      |   | 2.       |
| 12                                                                                                                                                                                                                              |       | +activitychk(5000)                                                                                                  |      |   | 3.       |
| 13                                                                                                                                                                                                                              |       | +SwitchonOrPowerup                                                                                                  |      |   | 4.       |
| 14                                                                                                                                                                                                                              |       | +activitychk(30000)                                                                                                 |      |   | 5.       |
| <b>procedure2</b>                                                                                                                                                                                                               |       |                                                                                                                     |      |   |          |
| 15                                                                                                                                                                                                                              |       | [TSPC_SIMRmv = TRUE]                                                                                                |      |   |          |
| 16                                                                                                                                                                                                                              |       | +RemoveSIM                                                                                                          |      |   | 6.       |
| 17                                                                                                                                                                                                                              |       | +activitychk(5000)                                                                                                  |      |   | 3.       |
| 18                                                                                                                                                                                                                              |       | +InsertSIM                                                                                                          |      |   | 7.       |
| 19                                                                                                                                                                                                                              |       | +activitychk(30000)                                                                                                 |      |   | 5.       |
| 20                                                                                                                                                                                                                              |       | [TSPC_SIMRmv = FALSE]                                                                                               |      |   |          |
| <b>procedures3</b>                                                                                                                                                                                                              |       |                                                                                                                     |      |   |          |
| 21                                                                                                                                                                                                                              |       | +SwitchoffOrPowerdown                                                                                               |      |   |          |
| 22                                                                                                                                                                                                                              |       | [(TSPC_DetachOnPwrDn = TRUE) OR (TSPC_SwitchOnOff = TRUE)]                                                          |      |   |          |
| 23                                                                                                                                                                                                                              |       | +insidetach                                                                                                         |      |   |          |
| 24                                                                                                                                                                                                                              |       | +SwitchonOrPowerup                                                                                                  |      |   |          |
| 25                                                                                                                                                                                                                              |       | +locup                                                                                                              |      |   |          |
| 26                                                                                                                                                                                                                              |       | [(TSPC_DetachOnPwrDn = FALSE) AND (TSPC_SwitchOnOff = FALSE)]                                                       |      |   |          |
| 27                                                                                                                                                                                                                              |       | +SwitchonOrPowerup                                                                                                  |      |   |          |
| 28                                                                                                                                                                                                                              |       | +locup                                                                                                              |      |   |          |
| <b>procedures4</b>                                                                                                                                                                                                              |       |                                                                                                                     |      |   |          |
| 29                                                                                                                                                                                                                              |       | [(TSPC_SIMRmv = TRUE) AND (TSPC_DetachOnSIMRmv = TRUE)]                                                             |      |   |          |
| 30                                                                                                                                                                                                                              |       | +RemoveSIM                                                                                                          |      |   |          |
| 31                                                                                                                                                                                                                              |       | +insidetach                                                                                                         |      |   |          |
| 32                                                                                                                                                                                                                              |       | +InsertSIM                                                                                                          |      |   |          |
| 33                                                                                                                                                                                                                              |       | +locup                                                                                                              |      |   |          |
| 34                                                                                                                                                                                                                              |       | [(TSPC_SIMRmv = FALSE) AND (TSPC_DetachOnPwrDn = TRUE)]                                                             |      |   |          |

|    |                                                                                                                                                                                                         |                                                                                      |     |                         |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----|-------------------------|
| 35 | +SwitchoffOrPowerdown                                                                                                                                                                                   |                                                                                      |     |                         |
| 36 | +imsidetach                                                                                                                                                                                             |                                                                                      |     |                         |
| 37 | +SwitchOn                                                                                                                                                                                               |                                                                                      |     |                         |
| 38 | +locup                                                                                                                                                                                                  |                                                                                      |     |                         |
| 39 | (((TSPC_SIMRmv = FALSE) AND<br>(TSPC_DetachOnPwrDn = FALSE)) OR<br>(TSPC_DetachOnSIMRmv = FALSE) AND<br>(TSPC_SIMRmv = TRUE)) OR<br>(TSPC_DetachOnSIMRmv = FALSE) AND<br>(TSPC_DetachOnPwrDn = FALSE))] |                                                                                      |     |                         |
| 40 | +SwitchoffOrPowerdown                                                                                                                                                                                   |                                                                                      |     |                         |
| 41 | +SwitchOn                                                                                                                                                                                               |                                                                                      |     |                         |
| 42 | +locup                                                                                                                                                                                                  |                                                                                      |     |                         |
|    | <b>activitychk(t: INTEGER)</b>                                                                                                                                                                          |                                                                                      |     |                         |
| 43 | START T_dly(t)                                                                                                                                                                                          |                                                                                      |     |                         |
| 44 | ?TIMEOUT T_dly                                                                                                                                                                                          |                                                                                      | (P) |                         |
|    | <b>locup</b>                                                                                                                                                                                            |                                                                                      |     |                         |
| 45 | +channelrequest                                                                                                                                                                                         |                                                                                      |     |                         |
| 46 | L?DL_EstInLupRq                                                                                                                                                                                         | LocUp_01                                                                             |     | 9.                      |
| 47 | ACTIVATE(OtherEventsFail)                                                                                                                                                                               |                                                                                      |     | Restore Normal default  |
| 48 | LIDL_DatRqLupAcp                                                                                                                                                                                        | LocAcp_01(TCV_ch)                                                                    |     | 10.                     |
| 49 | L?DL_DatInTmsireCom                                                                                                                                                                                     | TmsiReallocCmp_01                                                                    | (P) |                         |
| 50 | +channelrelease                                                                                                                                                                                         |                                                                                      |     |                         |
|    | <b>imsidetach</b>                                                                                                                                                                                       |                                                                                      |     |                         |
| 51 | +channelrequest                                                                                                                                                                                         |                                                                                      |     |                         |
| 52 | L?DL_EstInImsidIn                                                                                                                                                                                       | ImsiDet_01                                                                           | (P) | 8.                      |
| 53 | ACTIVATE(OtherEventsFail)                                                                                                                                                                               |                                                                                      |     | Restore Normal default  |
| 54 | +channelrelease                                                                                                                                                                                         |                                                                                      |     |                         |
|    | <b>channelrequest</b>                                                                                                                                                                                   |                                                                                      |     |                         |
| 55 | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                        | ChReq_02                                                                             |     |                         |
| 56 | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                            |                                                                                      |     | To match ChReq retrans. |
| 57 | LIDL_UdatRqImmss                                                                                                                                                                                        | ImmAss_01Def(TCV_<br>agch, TCV_Rr,<br>TCV_Fn, TCV_slot,<br>TCV_tsc,<br>TimingAdv_01) |     |                         |
|    | <b>channelrelease</b>                                                                                                                                                                                   |                                                                                      |     |                         |
| 58 | LIDL_DatRqChRel                                                                                                                                                                                         | ChRel_01(TCV_ch)                                                                     |     |                         |
| 59 | L?DL_Relln                                                                                                                                                                                              | DLRelInd_01                                                                          |     |                         |

**Detailed Comments:**

1. To set ATT = 1 for procedures3 and procedures4.
2. To switch off or power down the MS.
3. The test system checks for 5 seconds that MS shall not initiate the IMSI detach procedure.
4. To switch on or power up the MS.
5. The test system checks for 30 seconds that MS shall not initiate the IMSI attach procedure.
6. If possible to remove the SIM.
7. To insert the SIM to the MS under test.
8. The MS initiate IMSI detach procedure.
9. The location updating type shall be IMSI attach
10. To allocate a new TMSI.

| Test Case Dynamic Behaviour |           |                                                                                                                                                                                                                                                |                                                                         |     |                         |
|-----------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |           | TC_26_2_3                                                                                                                                                                                                                                      |                                                                         |     |                         |
| <b>Group:</b>               |           | GSM_L3_MS_v4160/InitialTest/                                                                                                                                                                                                                   |                                                                         |     |                         |
| <b>Purpose:</b>             |           | To verify that V(SD) is correctly set to 0 at the beginning of the establishment of the first RR connection and to verify that the MS handles correctly this variable in the special case of IDENTITY REQUEST messages, which are MM messages. |                                                                         |     |                         |
| <b>Default:</b>             |           | OtherEventsFail                                                                                                                                                                                                                                |                                                                         |     |                         |
| Nr                          | Label     | Behaviour Description                                                                                                                                                                                                                          | CRef                                                                    | V   | Comments                |
| 1                           |           | START T_guard(300)                                                                                                                                                                                                                             |                                                                         |     |                         |
| 2                           |           | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                           |                                                                         |     |                         |
| 3                           |           | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                |                                                                         |     |                         |
| 4                           |           | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                                            |                                                                         |     |                         |
| 5                           |           | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                       |                                                                         |     |                         |
| 6                           |           | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                 |                                                                         |     |                         |
| 7                           | body      | L?DL_UdatRqPg1Rq                                                                                                                                                                                                                               | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                                  |     | TMSI paging ...         |
| 8                           |           | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                                                                                                | ChReq_01                                                                |     |                         |
| 9                           |           | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                   |                                                                         |     | To match ChReq retrans. |
| 10                          |           | LIDL_UdatRqImmass                                                                                                                                                                                                                              | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |     |                         |
| 11                          |           | L?DL_EstInPgRes                                                                                                                                                                                                                                | PgRes_01                                                                |     |                         |
| 12                          |           | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                      |                                                                         |     | Restore Normal default  |
| 13                          |           | LIDL_DatRqIdRq                                                                                                                                                                                                                                 | IDReq(TCV_ch, IDRequest_01('0001'B))                                    |     |                         |
| 14                          |           | L?DL_DatInIdRes (TCV_Mt := DL_DatInIdRes.msg.mt)                                                                                                                                                                                               | IDRes_01                                                                |     |                         |
| 15                          |           | +check1                                                                                                                                                                                                                                        |                                                                         |     | 1.                      |
| 16                          |           | (TCV_Cnt := 0)                                                                                                                                                                                                                                 |                                                                         |     |                         |
| 17                          |           | REPEAT localtree                                                                                                                                                                                                                               |                                                                         |     |                         |
| 18                          |           | UNTIL [TCV_Cnt = 5]                                                                                                                                                                                                                            |                                                                         |     |                         |
| 19                          |           | LIDL_DatRqChRel                                                                                                                                                                                                                                | ChRel_01(TCV_ch)                                                        |     | 3.                      |
| 20                          |           | +WaitMainLinkDown                                                                                                                                                                                                                              |                                                                         |     |                         |
| 20                          | localtree | LIDL_DatRqIdRq                                                                                                                                                                                                                                 | IDReq(TCV_ch, IDRequest_01('0001'B))                                    |     |                         |
| 21                          |           | L?DL_DatInIdRes (TCV_Mt := DL_DatInIdRes.msg.mt)                                                                                                                                                                                               | IDRes_01                                                                |     |                         |
| 22                          |           | +check2                                                                                                                                                                                                                                        |                                                                         |     |                         |
| 23                          |           | LIDL_DatRqIdRq                                                                                                                                                                                                                                 | IDReq(TCV_ch, IDRequest_01('0001'B))                                    |     |                         |
| 24                          |           | L?DL_DatInIdRes (TCV_Mt := DL_DatInIdRes.msg.mt)                                                                                                                                                                                               | IDRes_01                                                                |     |                         |
| 25                          |           | [OC_Bit7(TCV_Mt) = '0'B]                                                                                                                                                                                                                       |                                                                         | (P) | 1.                      |
| 26                          |           | (TCV_Cnt := TCV_Cnt+1)                                                                                                                                                                                                                         |                                                                         |     |                         |
| 27                          |           | [OC_Bit7(TCV_Mt) = '1'B]                                                                                                                                                                                                                       |                                                                         | (F) |                         |
| 28                          |           | (TCV_Cnt := TCV_Cnt+1)                                                                                                                                                                                                                         |                                                                         |     |                         |
| 29                          | check1    | [OC_Bit7(TCV_Mt) = '1'B]                                                                                                                                                                                                                       |                                                                         | (F) |                         |

|                                                                                                                                                                                               |                          |     |    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----|----|
| 30                                                                                                                                                                                            | [OC_Bit7(TCV_Mt) = '0'B] | (P) |    |
|                                                                                                                                                                                               | <b>check2</b>            |     |    |
| 31                                                                                                                                                                                            | [OC_Bit7(TCV_Mt) = '0'B] | (F) |    |
| 32                                                                                                                                                                                            | [OC_Bit7(TCV_Mt) = '1'B] | (P) | 2. |
| <b>Detailed Comments:</b>                                                                                                                                                                     |                          |     |    |
| <ol style="list-style-type: none"> <li>1. The N(SD) shall be 0.</li> <li>2. The N(SD) shall be 1.</li> <li>3. The test system waits the disconnection of the main signalling link.</li> </ol> |                          |     |    |

| Test Case Dynamic Behaviour                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |                                                                                                                                                                                                                                                                                                   |                                        |     |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----|----------|
| <b>Test Case Name:</b> TC_26_2_4_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       |                                                                                                                                                                                                                                                                                                   |                                        |     |          |
| <b>Group:</b> GSM_L3_MS_v4160/InitialTest/                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |                                                                                                                                                                                                                                                                                                   |                                        |     |          |
| <b>Purpose:</b> To verify that the establishment cause sent by the MS in the Max-Retrans+1 CHANNEL REQUEST messages is consistent with the requested service, with the capabilities of the MS and with the indications of the network in the following case:<br>If the MS supports a service on a traffic channel:<br>when the NECI bit is set to 0 and call re-establishment is attempted and the call was established on TCH/H if the MS supports a service on half rate channel or on TCH/F otherwise. |       |                                                                                                                                                                                                                                                                                                   |                                        |     |          |
| <b>Default:</b> OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |                                                                                                                                                                                                                                                                                                   |                                        |     |          |
| Nr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Label | Behaviour Description                                                                                                                                                                                                                                                                             | CRef                                   | V   | Comments |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | START T_guard(300)                                                                                                                                                                                                                                                                                |                                        |     |          |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                              |                                        |     |          |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                   |                                        |     |          |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | body  | [TSPC_FullRateOnly = TRUE]                                                                                                                                                                                                                                                                        |                                        |     |          |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_cksN := TSPX_CKSNDf)                                          |                                        |     |          |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 7, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                      |                                        |     |          |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | +EstMsOrigFullRateCall(TimingAdv_01)                                                                                                                                                                                                                                                              |                                        |     | 1.       |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | +StopSACCH(TCV_sacchTch)                                                                                                                                                                                                                                                                          |                                        |     | 3.       |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | +localtree                                                                                                                                                                                                                                                                                        |                                        |     |          |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | [TSPC_DualRate = TRUE]                                                                                                                                                                                                                                                                            |                                        |     |          |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef), TCV_chTch := OC_SubchOfFacchh(TSPX_TCHHSubDef, C_CellA, 1), TCV_sacchTch := OC_SubchOfSacchh(TSPX_TCHHSubDef, C_CellA, 1)) |                                        |     |          |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | +PreEnterIdleState_05(C_Immass, TCV_slot, TCV_tsc, 5, 7, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                      |                                        |     |          |
| 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | +EstMsOrigHalfRateCall(TimingAdv_01)                                                                                                                                                                                                                                                              |                                        |     | 2.       |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | +StopSACCH(TCV_sacchTch)                                                                                                                                                                                                                                                                          |                                        |     | 3.       |
| 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | +localtree                                                                                                                                                                                                                                                                                        |                                        |     |          |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | <b>localtree</b><br>(TCV_Cnt := 0)                                                                                                                                                                                                                                                                |                                        |     |          |
| 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | REPEAT localtree1 UNTIL [TCV_Cnt=7]                                                                                                                                                                                                                                                               |                                        |     |          |
| 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                      | ChReq_10                               | (P) | 4.       |
| 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | LIDL_UdatRqImmassRej                                                                                                                                                                                                                                                                              | ImmAssRej_01(TCV_agch, TCV_Rr, TCV_Fn) |     |          |
| 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | <b>localtree1</b><br>L?DL_RaInChRq                                                                                                                                                                                                                                                                | ChReq_10                               |     | 4.       |
| 21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | (TCV_Cnt := TCV_Cnt + 1)                                                                                                                                                                                                                                                                          |                                        |     |          |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |                                                                                                                                                                                                                                                                                                   |                                        |     |          |
| 1. To set up a call the TCH/F otherwise. The generic call setup procedure is used.                                                                                                                                                                                                                                                                                                                                                                                                                        |       |                                                                                                                                                                                                                                                                                                   |                                        |     |          |
| 2. To set up a call on the TCH/H if the MS supports half rate channel. The generic call setup procedure is used                                                                                                                                                                                                                                                                                                                                                                                           |       |                                                                                                                                                                                                                                                                                                   |                                        |     |          |

3. To stop transmission on the channel SACCH.
4. The establishment cause shall be '110'B, otherwise the test case fails in the default tree OtherEventsFail.

### Test Case Dynamic Behaviour

**Test Case Name:** TC\_26\_2\_4\_2  
**Group:** GSM\_L3\_MS\_v4160/InitialTest/  
**Purpose:** To verify that the establishment cause sent by the MS in the Max-Retrans+1 CHANNEL REQUEST messages is consistent with the requested service, with the capabilities of the MS and with the indications of the network in the following case:  
 If the MS supports a service on half rate channel:  
 when the NECI bit is set to 1 and call re-establishment is attempted and the call was established on TCH/H.  
**Default:** OtherEventsFail

| Nr | Label | Behaviour Description                                                                                                                                                                                                                                                                             | CRef                                   | V   | Comments |
|----|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----|----------|
| 1  |       | START T_guard(300)                                                                                                                                                                                                                                                                                |                                        |     |          |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                              |                                        |     |          |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                   |                                        |     |          |
| 4  |       | [TSPC_HalfRateData OR TSPC_HalfRateSpeech]                                                                                                                                                                                                                                                        |                                        |     |          |
| 5  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef), TCV_chTch := OC_SubchOfFacchh(TSPX_TCHHSubDef, C_CellA, 1), TCV_sacchTch := OC_SubchOfSacchh(TSPX_TCHHSubDef, C_CellA, 1)) |                                        |     |          |
| 6  |       | +PreEnterIdleState_05(C_Immass, TCV_slot, TCV_tsc, 5, 7, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                       |                                        |     | 1.       |
| 7  | body  | +EstMsOrigHalfRateCall(TimingAdv_01)                                                                                                                                                                                                                                                              |                                        |     | 2.       |
| 8  |       | +StopSACCH(TCV_sacchTch)                                                                                                                                                                                                                                                                          |                                        |     | 3.       |
| 9  |       | (TCV_Cnt := 0)                                                                                                                                                                                                                                                                                    |                                        |     |          |
| 10 |       | REPEAT localtree UNTIL [TCV_Cnt=7]                                                                                                                                                                                                                                                                |                                        |     |          |
| 11 |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                      | ChReq_11                               | (P) | 4.       |
| 12 |       | L!DL_UdatRqImmassRej                                                                                                                                                                                                                                                                              | ImmAssRej_01(TCV_agch, TCV_Rr, TCV_Fn) |     |          |
| 13 |       | <b>localtree</b><br>L?DL_RaInChRq                                                                                                                                                                                                                                                                 | ChReq_11                               |     | 4.       |
| 14 |       | (TCV_Cnt := TCV_Cnt + 1)                                                                                                                                                                                                                                                                          |                                        |     |          |

**Detailed Comments:**

1. The NECI = 1.
2. To set up a call on the TCH/H by generic call setup procedure.
3. To stop transmission on the SACCH.
4. The establishment cause shall be '011010'B, otherwise the test case fails in the default tree.

| Test Case Dynamic Behaviour                                                                                                                                                                                                                                                                                                                                                                                                        |       |                                                                                                                     |                                        |     |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----|----------|
| <b>Test Case Name:</b> TC_26_2_4_3                                                                                                                                                                                                                                                                                                                                                                                                 |       |                                                                                                                     |                                        |     |          |
| <b>Group:</b> GSM_L3_MS_v4160/InitialTest/                                                                                                                                                                                                                                                                                                                                                                                         |       |                                                                                                                     |                                        |     |          |
| <b>Purpose:</b> To verify that the establishment cause sent by the MS in the Max-Retrans+1 CHANNEL REQUEST messages is consistent with the requested service, with the capabilities of the MS and with the indications of the network in the following case:<br>If the MS supports speech:<br>1. when the NECI bit is set to 0 and a speech call is attempted.<br>2. when the NECI bit is set to 1 and a speech call is attempted. |       |                                                                                                                     |                                        |     |          |
| <b>Default:</b> OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                    |       |                                                                                                                     |                                        |     |          |
| Nr                                                                                                                                                                                                                                                                                                                                                                                                                                 | Label | Behaviour Description                                                                                               | CRef                                   | V   | Comments |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                  |       | START T_guard(300)                                                                                                  |                                        |     |          |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                |                                        |     |          |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                     |                                        |     |          |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA)) |                                        |     |          |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                  |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 7, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)            |                                        | 1.  |          |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                  | body  | +neci0Behaviour                                                                                                     |                                        |     |          |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                  |       | +SetNECI(0, '000'B, '001'B, '011'B, '00'O)                                                                          |                                        | 2.  |          |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                  |       | +neci1Behaviour                                                                                                     |                                        |     |          |
| <b>neci0Behaviour</b>                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                                                                                     |                                        |     |          |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                  |       | +AttmpSpchCall                                                                                                      |                                        | 3.  |          |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | +BasicServiceMO(TSPX_MO_BscSvc_SpeechCall, TSPX_MO_rate_SpeechCall)                                                 |                                        |     |          |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | (TCV_Cnt := 0)                                                                                                      |                                        |     |          |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | REPEAT localtree1 UNTIL [TCV_Cnt=7]                                                                                 |                                        |     |          |
| 13                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                        | ChReq_04                               | (P) | 4.       |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | L!DL_UdatRqImmassRej                                                                                                | ImmAssRej_01(TCV_agch, TCV_Rr, TCV_Fn) |     |          |
| <b>neci1Behaviour</b>                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                                                                                     |                                        |     |          |
| 15                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | START T_dly(30000)                                                                                                  |                                        | 5.  |          |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | ?TIMEOUT T_dly                                                                                                      |                                        |     |          |
| 17                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | +AttmpSpchCall                                                                                                      |                                        | 3.  |          |
| 18                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | +BasicServiceMO(TSPX_MO_BscSvc_SpeechCall, TSPX_MO_rate_SpeechCall)                                                 |                                        |     |          |
| 19                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | (TCV_Cnt := 0)                                                                                                      |                                        |     |          |
| 20                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | REPEAT localtree2 UNTIL [TCV_Cnt=7]                                                                                 |                                        |     |          |
| 21                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | [TSPX_MO_rate_SpeechCall = C_Full]                                                                                  |                                        |     |          |
| 22                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                        | ChReq_04                               | (P) | 6.       |
| 23                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | L!DL_UdatRqImmassRej                                                                                                | ImmAssRej_01(TCV_agch, TCV_Rr, TCV_Fn) |     |          |
| 24                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | [TSPX_MO_rate_SpeechCall = C_Half]                                                                                  |                                        |     |          |
| 25                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                        | ChReq_05                               | (P) | 7.       |
| 26                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | L!DL_UdatRqImmassRej                                                                                                | ImmAssRej_01(TCV_agch, TCV_Rr, TCV_Fn) |     |          |
| <b>localtree1</b>                                                                                                                                                                                                                                                                                                                                                                                                                  |       |                                                                                                                     |                                        |     |          |
| 27                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | L?DL_RaInChRq                                                                                                       | ChReq_04                               |     | 4.       |
| 28                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | (TCV_Cnt := TCV_Cnt + 1)                                                                                            |                                        |     |          |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                       |                          |              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------|
| 29<br>30<br>31<br>32<br>33<br>34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>localtree2</b><br>[TSPX_MO_rate_SpeechCall = C_Half]<br>L?DL_RaInChRq<br>(TCV_Cnt := TCV_Cnt +1)<br>[TSPX_MO_rate_SpeechCall = C_Full]<br>L?DL_RaInChRq<br>(TCV_Cnt := TCV_Cnt +1) | ChReq_05<br><br>ChReq_04 | 7.<br><br>6. |
| <b>Detailed Comments:</b> <ol style="list-style-type: none"> <li>1. The Max_retrans =2.</li> <li>2. To set NECI = 1.</li> <li>3. To attempt a speech call.</li> <li>4. The establishment cause shall be '111'B, otherwise the test case fails in the default tree OtherEventsFail.</li> <li>5. The test system waits for 30 seconds.</li> <li>6. The establishment cause shall be '111'B if the MS does not support half rate speech.</li> <li>7. The establishment cause shall be '0100'B if the MS supports half rate speech.</li> </ol> |                                                                                                                                                                                       |                          |              |



| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                        |     |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_2_4_4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/InitialTest/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        |     |          |
| <b>Purpose:</b>             |       | To verify that the establishment cause sent by the MS in the Max-Retrans+1 CHANNEL REQUEST messages is consistent with the requested service, with the capabilities of the MS and with the indications of the network in the following case:<br>If the MS supports a data service:<br>1. when the NECI bit is set to 0 and a data call is attempted.<br>2. when the NECI bit is set to 1 and a data call is attempted for a service supported on half rate channel (if the MS does not support any data call on half rate channel any data service is used). |                                        |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                        |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CRef                                   | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                        |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                        |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                        |     |          |
| 4                           |       | [TSPC_DataSvc]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        |     |          |
| 5                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                        |     |          |
| 6                           |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 7, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        | 1.  |          |
| 7                           | body  | +neci0Behaviour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                        |     |          |
| 8                           |       | +SetNECI(0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                        | 2.  |          |
| 9                           |       | START T_dly(30000)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                        | 3.  |          |
| 10                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        |     |          |
| 11                          |       | +neci1Behaviour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                        |     |          |
|                             |       | <b>neci0Behaviour</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                        |     |          |
| 12                          |       | +AttmpDataCall                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        | 4.  |          |
| 13                          |       | +BasicServiceMO(TSPX_MO_BscSvc_FRDataCall, C_Full)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                        |     |          |
| 14                          |       | (TCV_Cnt := 0)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        |     |          |
| 15                          |       | REPEAT localtree1 UNTIL [TCV_Cnt=7]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                        |     |          |
| 16                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ChReq_04                               | (P) | 5.       |
| 17                          |       | L!DL_UdatRqImmassRej                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ImmAssRej_01(TCV_agch, TCV_Rr, TCV_Fn) |     |          |
|                             |       | <b>neci1Behaviour</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                        |     |          |
| 18                          |       | [TSPC_HalfRateData = TRUE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                        |     |          |
| 19                          |       | +AttmpHalfRateDataCall                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        | 6.  |          |
| 20                          |       | +BasicServiceMO(TSPX_MO_BscSvc_HRDataCall, C_Half)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                        |     |          |
| 21                          |       | (TCV_Cnt := 0)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        |     |          |
| 22                          |       | REPEAT localtree2 UNTIL [TCV_Cnt=7]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                        |     |          |
| 23                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ChReq_06                               | (P) | 7.       |
| 24                          |       | L!DL_UdatRqImmassRej                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ImmAssRej_01(TCV_agch, TCV_Rr, TCV_Fn) |     |          |
| 25                          |       | [TSPC_HalfRateData = FALSE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |     |          |
| 26                          |       | +AttmpDataCall                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        | 8.  |          |
| 27                          |       | +BasicServiceMO(TSPX_MO_BscSvc_FRDataCall, C_Full)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                        |     |          |
| 28                          |       | (TCV_Cnt := 0)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        |     |          |
| 29                          |       | REPEAT localtree1 UNTIL [TCV_Cnt=7]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                        |     |          |
| 30                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ChReq_04                               | (P) | 5.       |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                         |                                        |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------------------------------|----|
| 31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | L!DL_UdatRqImmRej       | ImmAssRej_01(TCV_agch, TCV_Rr, TCV_Fn) |    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>localtree1</b>       |                                        |    |
| 32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | L?DL_RaInChRq           | ChReq_04                               | 5. |
| 33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (TCV_Cnt := TCV_Cnt +1) |                                        |    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>localtree2</b>       |                                        |    |
| 34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | L?DL_RaInChRq           | ChReq_06                               | 7. |
| 35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (TCV_Cnt := TCV_Cnt +1) |                                        |    |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                         |                                        |    |
| <ol style="list-style-type: none"> <li>1. The Max_retrans =7.</li> <li>2. To set NECI = 1.</li> <li>3. The test system waits for 30 seconds.</li> <li>4. To attempt a data call.</li> <li>5. The establishment cause shall be '111'B, otherwise the test case fails in the default tree OtherEventsFail.</li> <li>6. To attempt a data call if the MS supports half rate data service.</li> <li>7. The establishment cause shall be '0101'B, otherwise the test case fails in the default tree OtherEventsFail.</li> <li>8. To attempt any data call if the MS does not support half rate data service.</li> </ol> |                         |                                        |    |

### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_26_2_4_5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Group:</b>          | GSM_L3_MS_v4160/InitialTest/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purpose:</b>        | To verify that the establishment cause sent by the MS in the Max-Retrans+1 CHANNEL REQUEST messages is consistent with the requested service, with the capabilities of the MS and with the indications of the network in the following case: <ol style="list-style-type: none"> <li>1. when the NECI bit is set to 0 and the MS is paged with the paging indication set to "any channel".</li> <li>2. when the NECI bit is set to 0 and the MS is paged with the paging indication set to "SDCCH".</li> <li>3. when the NECI bit is set to 0 and the MS is paged with the paging indication set to "TCH/F".</li> <li>4. when the NECI bit is set to 0 and the MS is paged with the paging indication set to "TCH/H or TCH/F".</li> </ol> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

| Nr | Label | Behaviour Description                                                                                               | CRef                                   | V   | Comments |
|----|-------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----|----------|
| 1  |       | START T_guard(300)                                                                                                  |                                        |     |          |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                |                                        |     |          |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                     |                                        |     |          |
| 4  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA)) |                                        |     |          |
| 5  |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 7, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)            |                                        |     |          |
| 6  |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                      |                                        |     |          |
| 7  | body  | +pagingAnyChannel                                                                                                   |                                        |     |          |
| 8  |       | +pagingSDCCH                                                                                                        |                                        |     |          |
| 9  |       | +pagingTCHF                                                                                                         |                                        |     |          |
| 10 |       | +pagingTCHHorTCHF                                                                                                   |                                        |     |          |
| 11 |       | <b>pagingAnyChannel</b><br>LIDL_UdatRqPg1Rq (TCV_Cnt := 0)                                                          | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01) |     | 1.       |
| 12 |       | REPEAT localtree1 UNTIL [TCV_Cnt = 7]                                                                               |                                        |     |          |
| 13 |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                        | ChReq_12                               | (P) | 2.       |
| 14 |       | LIDL_UdatRqImmassRej                                                                                                | ImmAssRej_01(TCV_agch, TCV_Rr, TCV_Fn) |     |          |
| 15 |       | <b>pagingSDCCH</b><br>START T_dly(5000)                                                                             |                                        |     | 3.       |
| 16 |       | ?TIMEOUT T_dly                                                                                                      |                                        |     |          |
| 17 |       | LIDL_UdatRqPg1Rq (TCV_Cnt := 0)                                                                                     | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_02) |     | 4.       |
| 18 |       | REPEAT localtree2 UNTIL [TCV_Cnt = 7]                                                                               |                                        |     |          |
| 19 |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                        | ChReq_03                               | (P) | 5.       |
| 20 |       | LIDL_UdatRqImmassRej                                                                                                | ImmAssRej_01(TCV_agch, TCV_Rr, TCV_Fn) |     |          |
| 21 |       | <b>pagingTCHF</b><br>START T_dly(5000)                                                                              |                                        |     | 3.       |
| 22 |       | ?TIMEOUT T_dly                                                                                                      |                                        |     |          |
| 23 |       | LIDL_UdatRqPg1Rq (TCV_Cnt := 0)                                                                                     | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_03) |     | 6.       |
| 24 |       | REPEAT localtree3 UNTIL [TCV_Cnt = 7]                                                                               |                                        |     |          |

|    |                                                                                    |                                               |     |     |
|----|------------------------------------------------------------------------------------|-----------------------------------------------|-----|-----|
| 25 | L?DL_RaInChRq (TCV_Rr :=<br>DL_RaInChRq.msg.ecau_rrf, TCV_Fn :=<br>DL_RaInChRq.fn) | ChReq_13                                      | (P) |     |
| 26 | L!DL_UdatRqImmRej                                                                  | ImmAssRej_01(TCV_<br>agch, TCV_Rr,<br>TCV_Fn) |     |     |
|    | <b>pagingTCHHorTCHF</b>                                                            |                                               |     |     |
| 27 | START T_dly(5000)                                                                  |                                               |     |     |
| 28 | ?TIMEOUT T_dly                                                                     |                                               |     |     |
| 29 | LIDL_UdatRqPg1Rq (TCV_Cnt := 0)                                                    | PgReq1(TCV_PgCh,<br>TCV_Pgg,<br>PgReqTp1_04)  |     | 10. |
| 30 | REPEAT localtree4 UNTIL [TCV_Cnt = 7]                                              |                                               |     |     |
| 31 | L?DL_RaInChRq (TCV_Rr :=<br>DL_RaInChRq.msg.ecau_rrf, TCV_Fn :=<br>DL_RaInChRq.fn) | ChReq_14                                      | (P) |     |
| 32 | L!DL_UdatRqImmRej                                                                  | ImmAssRej_01(TCV_<br>agch, TCV_Rr,<br>TCV_Fn) |     |     |
|    | <b>localtree1</b>                                                                  |                                               |     |     |
| 33 | L?DL_RaInChRq                                                                      | ChReq_12                                      | (P) | 2.  |
| 34 | (TCV_Cnt := TCV_Cnt +1)                                                            |                                               |     |     |
|    | <b>localtree2</b>                                                                  |                                               |     |     |
| 35 | L?DL_RaInChRq                                                                      | ChReq_03                                      | (P) | 5.  |
| 36 | (TCV_Cnt := TCV_Cnt +1)                                                            |                                               |     |     |
|    | <b>localtree3</b>                                                                  |                                               |     |     |
| 37 | [TSPC_FullRateOnly =TRUE]                                                          |                                               |     |     |
| 38 | L?DL_RaInChRq                                                                      | ChReq_12                                      | (P) | 7.  |
| 39 | (TCV_Cnt := TCV_Cnt +1)                                                            |                                               |     |     |
| 40 | [TSPC_DualRate =TRUE]                                                              |                                               |     |     |
| 41 | L?DL_RaInChRq                                                                      | ChReq_07                                      | (P) | 8.  |
| 42 | (TCV_Cnt := TCV_Cnt +1)                                                            |                                               |     |     |
| 43 | [TSPC_SDCCHOnly =TRUE]                                                             |                                               |     |     |
| 44 | L?DL_RaInChRq                                                                      | ChReq_03                                      | (P) | 9.  |
| 45 | (TCV_Cnt := TCV_Cnt +1)                                                            |                                               |     |     |
|    | <b>localtree4</b>                                                                  |                                               |     |     |
| 46 | [TSPC_FullRateOnly =TRUE]                                                          |                                               |     |     |
| 47 | L?DL_RaInChRq                                                                      | ChReq_12                                      | (P) | 11. |
| 48 | (TCV_Cnt := TCV_Cnt +1)                                                            |                                               |     |     |
| 49 | [TSPC_DualRate =TRUE]                                                              |                                               |     |     |
| 50 | L?DL_RaInChRq                                                                      | ChReq_08                                      | (P) | 12. |
| 51 | (TCV_Cnt := TCV_Cnt +1)                                                            |                                               |     |     |
| 52 | [TSPC_SDCCHOnly =TRUE]                                                             |                                               |     |     |
| 53 | L?DL_RaInChRq                                                                      | ChReq_03                                      | (P) | 13. |
| 54 | (TCV_Cnt := TCV_Cnt +1)                                                            |                                               |     |     |

**Detailed Comments:**

1. To send a PAGING REQUEST TYPE1 message with paging indication = any channel.
2. The establishment cause shall be '100'B.
3. The test system waits for 5 seconds.
4. To send a PAGING REQUEST TYPE1 message with paging indication = SDCCH.
5. The establishment cause shall be '0001'B.
6. To send a PAGING REQUEST TYPE1 message with paging indication = TCH/F.
7. The establishment cause shall be '100'B, if the MS capability is full rate only.
8. The establishment cause shall be '0010'B, if the MS capability is dual rate.
9. The establishment cause shall be '0001'B, if the MS capability is SDCCH only.
10. To send a PAGING REQUEST TYPE1 message with paging indication = TCH/H or TCH/F
11. The establishment cause shall be '100'B, if the MS capability is full rate only.
12. The establishment cause shall be '0011'B, if the MS capability is dual rate.
13. The establishment cause shall be '0001'B, if the MS capability is SDCCH only.

### Test Case Dynamic Behaviour

**Test Case Name:** TC\_26\_2\_4\_6  
**Group:** GSM\_L3\_MS\_v4160/InitialTest/  
**Purpose:** To verify that the establishment cause sent by the MS in the Max-Retrans+1 CHANNEL REQUEST messages is consistent with the requested service, with the capabilities of the MS and with the indications of the network in the following case:

1. when the NECI bit is set to 0 and IMSI attach is attempted.
2. when the NECI bit is set to 0 and normal location updating is attempted.
3. when the NECI bit is set to 0 and periodic location updating is attempted.
4. when the NECI bit is set to 0 and IMSI detach is attempted.
5. when the NECI bit is set to 1 and IMSI attach is attempted.
6. when the NECI bit is set to 1 and normal location updating is attempted.
7. when the NECI bit is set to 1 and periodic location updating is attempted.
8. when the NECI bit is set to 1 and IMSI detach is attempted.

**Default:** OtherEventsFail

| Nr | Label | Behaviour Description                                                                                                                    | CRef                                                                    | V   | Comments |
|----|-------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----|----------|
| 1  |       | START T_guard(1200)                                                                                                                      |                                                                         |     |          |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                     |                                                                         |     |          |
| 3  |       | +IdleUpdated(C_CellA, C_Imm, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                             |                                                                         |     |          |
| 4  |       | (TCV_Cnt1:=0)                                                                                                                            |                                                                         |     |          |
| 5  |       | REPEAT ltree_main UNTIL [TCV_Cnt1 = 2]                                                                                                   |                                                                         |     |          |
| 6  |       | <b>ltree_main</b><br>(TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA)) |                                                                         |     |          |
| 7  |       | +SysInfoSending_01(5, 7, 0, TCV_Cnt1, '000'B, '001'B, '011'B, '00'O)                                                                     |                                                                         |     | 1.       |
| 8  | body  | +SwitchoffOrPowerdown                                                                                                                    |                                                                         |     |          |
| 9  |       | +SysInfoSending_01(5, 7, 1, TCV_Cnt1, '000'B, '001'B, '011'B, '00'O)                                                                     |                                                                         |     | ATT =1   |
| 10 |       | +SwitchonOrPowerup                                                                                                                       |                                                                         |     | 2.       |
| 11 |       | +imsiAttachCheck                                                                                                                         |                                                                         |     |          |
| 12 |       | +ChgLAC(TCV_Cnt1, 1, '000'B, '001'B, '011'B, '01'O)                                                                                      |                                                                         |     | 3.       |
| 13 |       | +normalUpdatingCheck                                                                                                                     |                                                                         |     |          |
| 14 |       | +periodicUpdatingCheck                                                                                                                   |                                                                         |     |          |
| 15 |       | [TSPC_SwitchOnOff = TRUE]                                                                                                                |                                                                         |     |          |
| 16 |       | +imsiDetachCheck                                                                                                                         |                                                                         |     |          |
| 17 |       | (TCV_Cnt1 := TCV_Cnt1 + 1)                                                                                                               |                                                                         |     |          |
| 18 |       | [TSPC_SwitchOnOff = FALSE]                                                                                                               |                                                                         |     |          |
| 19 |       | (TCV_Cnt1 := TCV_Cnt1 + 1)                                                                                                               |                                                                         |     |          |
| 20 |       | <b>imsiAttachCheck</b><br>(TCV_Cnt := 0)                                                                                                 |                                                                         |     |          |
| 21 |       | REPEAT localtree1 UNTIL [TCV_Cnt = 7]                                                                                                    |                                                                         |     |          |
| 22 |       | [TCV_Cnt1=0]                                                                                                                             |                                                                         |     |          |
| 23 |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                             | ChReq_09                                                                |     | 4.       |
| 24 |       | L!DL_UdatRqImm                                                                                                                           | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |     |          |
| 25 |       | L?DL_EstInLupRq                                                                                                                          | LocUp_01                                                                | (P) | 5.       |
| 26 |       | L!DL_DatRqLupAcp                                                                                                                         | LocAcp_02(TCV_ch)                                                       |     | 6.       |
| 27 |       | +PostMainLinkRel(TCV_ch)                                                                                                                 |                                                                         |     |          |
| 28 |       | [TCV_Cnt1=1]                                                                                                                             |                                                                         |     |          |
| 29 |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                             | ChReq(ChRequest_18)                                                     |     | 4.       |
| 30 |       | L!DL_UdatRqImm                                                                                                                           | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot,                        |     |          |

|    |                                                                                    |                                                                                      |     |     |
|----|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----|-----|
| 31 | L?DL_EstInLupRq                                                                    | TCV_tsc,<br>TimingAdv_01                                                             |     |     |
| 32 | LIDL_DatRqLupAcp                                                                   | LocUp_01                                                                             | (P) | 5.  |
| 33 | +PostMainLinkRel(TCV_ch)                                                           | LocAcp_02(TCV_ch)                                                                    |     | 6.  |
|    | <b>normalUpdatingCheck</b>                                                         |                                                                                      |     |     |
| 34 | START T_dly(30000)                                                                 |                                                                                      |     | 7.  |
| 35 | +rcvchreq                                                                          |                                                                                      |     |     |
| 36 | L?DL_EstInLupRq                                                                    | LocUp_02                                                                             | (P) | 9.  |
| 37 | LIDL_DatRqLupAcp                                                                   | LocAcp_02(TCV_ch)                                                                    |     | 6.  |
| 38 | +PostMainLinkRel(TCV_ch)                                                           |                                                                                      |     |     |
| 39 | ?TIMEOUT T_dly                                                                     |                                                                                      | (F) |     |
|    | <b>periodicUpdatingCheck</b>                                                       |                                                                                      |     |     |
| 40 | START T_dly(420000)                                                                |                                                                                      |     | 10. |
| 41 | +rcvchreq                                                                          |                                                                                      |     |     |
| 42 | L?DL_EstInLupRq                                                                    | LocUp_03                                                                             | (P) | 11. |
| 43 | LIDL_DatRqLupAcp                                                                   | LocAcp_02(TCV_ch)                                                                    |     |     |
| 44 | +PostMainLinkRel(TCV_ch)                                                           |                                                                                      |     |     |
| 45 | ?TIMEOUT T_dly                                                                     |                                                                                      | (F) |     |
|    | <b>imsiDetachCheck</b>                                                             |                                                                                      |     |     |
| 46 | (TCV_Null := OO_SwitchOff())                                                       |                                                                                      |     | 12. |
| 47 | (TCV_Cnt := 0)                                                                     |                                                                                      |     |     |
| 48 | REPEAT localtree2 UNTIL [TCV_Cnt = 7]                                              |                                                                                      |     |     |
| 49 | [TCV_Cnt1=0]                                                                       |                                                                                      |     |     |
| 50 | L?DL_RaInChRq (TCV_Rr :=<br>DL_RaInChRq.msg.ecau_rrf, TCV_Fn :=<br>DL_RaInChRq.fn) | ChReq_04                                                                             | (P) | 13. |
| 51 | LIDL_UdatRqImmassRej                                                               | ImmAssRej_01(TCV_<br>agch, TCV_Rr,<br>TCV_Fn)                                        |     |     |
| 52 | [TCV_Cnt1=1]                                                                       |                                                                                      |     |     |
| 53 | L?DL_RaInChRq (TCV_Rr :=<br>DL_RaInChRq.msg.ecau_rrf, TCV_Fn :=<br>DL_RaInChRq.fn) | ChReq_03                                                                             | (P) | 13. |
| 54 | LIDL_UdatRqImmassRej                                                               | ImmAssRej_01(TCV_<br>agch, TCV_Rr,<br>TCV_Fn)                                        |     |     |
|    | <b>rcvchreq</b>                                                                    |                                                                                      |     |     |
| 55 | [TCV_Cnt1=0]                                                                       |                                                                                      |     |     |
| 56 | L?DL_RaInChRq CANCEL T_dly                                                         | ChReq_09                                                                             |     | 8.  |
| 57 | (TCV_Cnt := 0)                                                                     |                                                                                      |     |     |
| 58 | REPEAT localtree1 UNTIL [TCV_Cnt = 7]                                              |                                                                                      |     |     |
| 59 | LIDL_UdatRqImmass                                                                  | ImmAss_01Def(TCV_<br>agch, TCV_Rr,<br>TCV_Fn, TCV_slot,<br>TCV_tsc,<br>TimingAdv_01) |     |     |
| 60 | [TCV_Cnt1=1]                                                                       |                                                                                      |     |     |
| 61 | L?DL_RaInChRq CANCEL T_dly                                                         | ChReq(ChRequest_1<br>8)                                                              |     | 8.  |
| 62 | (TCV_Cnt := 0)                                                                     |                                                                                      |     |     |
| 63 | REPEAT localtree1 UNTIL [TCV_Cnt = 7]                                              |                                                                                      |     |     |
| 64 | LIDL_UdatRqImmass                                                                  | ImmAss_01Def(TCV_<br>agch, TCV_Rr,<br>TCV_Fn, TCV_slot,<br>TCV_tsc,<br>TimingAdv_01) |     |     |
|    | <b>localtree1</b>                                                                  |                                                                                      |     |     |
| 65 | [TCV_Cnt1=0]                                                                       |                                                                                      |     |     |
| 66 | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)   | ChReq_09                                                                             |     | 8.  |
| 67 | (TCV_Cnt := TCV_Cnt+1)                                                             |                                                                                      |     |     |
| 68 | [TCV_Cnt1=1]                                                                       |                                                                                      |     |     |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                            |                         |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-------------------------|----|
| 69                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)<br>(TCV_Cnt := TCV_Cnt+1) | ChReq(ChRequest_1<br>8) | 8. |
| 70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                            |                         |    |
| 71                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>localtree2</b><br>[TCV_Cnt1=0]                                                                          |                         |    |
| 72                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | L?DL_RaInChRq (TCV_Fn := DL_RaInChRq.fn,<br>TCV_Rr := DL_RaInChRq. msg.ecau_rrf)<br>(TCV_Cnt := TCV_Cnt+1) | ChReq_04                |    |
| 73                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                            |                         |    |
| 74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | [TCV_Cnt1=1]                                                                                               |                         |    |
| 75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | L?DL_RaInChRq (TCV_Fn := DL_RaInChRq.fn,<br>TCV_Rr := DL_RaInChRq. msg.ecau_rrf)<br>(TCV_Cnt := TCV_Cnt+1) | ChReq_03                |    |
| 76                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                            |                         |    |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                            |                         |    |
| <ol style="list-style-type: none"> <li>1. To set ATT = 1, i.e. MS's in the cell shall apply IMSI attach and detach procedure. TCV_Cnt1 value stands for NECI bit value.</li> <li>2. To switch on or power on the MS.</li> <li>3. To change LAC and set T3212 = 6 minutes.</li> <li>4. The establishment cause shall be '0000'B.</li> <li>5. The location updating type shall be IMSI attach.</li> <li>6. There is no mobile identity in this LOCATION UPDATING ACCEPT message.</li> <li>7. The test system waits for 30 seconds to receive CHANNEL REQUEST messages.</li> <li>8. The establishment cause shall be '0000'B.</li> <li>9. The location updating type shall be normal location updating.</li> <li>10. The test system waits for 7 minutes to receive CHANNEL REQUEST messages.</li> <li>11. The location updating type shall be periodic updating.</li> <li>12. To switch off the MS.</li> <li>13. The establishment cause shall be '0001'B.</li> </ol> |                                                                                                            |                         |    |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                        |     |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_2_4_7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                        |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/InitialTest/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                        |     |          |
| <b>Purpose:</b>             |       | To verify that the establishment cause sent by the MS in the Max-Retrans+1 CHANNEL REQUEST messages is consistent with the requested service, with the capabilities of the MS and with the indications of the network in the following case:<br>If the MS supports a non call related supplementary service operation:<br>when the NECI bit is set to 0 and a supplementary service operation is attempted at the MS.<br>when the NECI bit is set to 1 and a supplementary service operation is attempted at the MS. |                                        |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                        |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CRef                                   | V   | Comments |
| 1                           |       | START T_guard(600)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                        |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immasc, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                      |                                        |     |          |
| 4                           |       | (TCV_Cnt1:=0)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                        |     |          |
| 5                           |       | REPEAT ltree_main UNTIL [TCV_Cnt1 = 2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        |     |          |
|                             |       | <b>ltree_main</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                        |     |          |
| 6                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |     |          |
| 7                           |       | +SysInfoSending_01(5, 7, 0, TCV_Cnt1, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        |     | 1.       |
| 8                           | body  | +AtmpNonCallSupp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |     | 2.       |
| 9                           |       | +BasicServiceMO(TSPX_MO_BscSvc_NonCall SupplementarySvc, C_Full)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |     |          |
| 10                          |       | (TCV_Cnt :=0)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                        |     |          |
| 11                          |       | REPEAT localtree UNTIL [TCV_Cnt=7]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                        |     |          |
| 12                          |       | [TCV_Cnt1=0]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                        |     |          |
| 13                          |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                                                                      | ChReq_04                               | (P) | 3.       |
| 14                          |       | LIDL_UdatRqImmascRej                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ImmAssRej_01(TCV_agch, TCV_Rr, TCV_Fn) |     |          |
| 15                          |       | (TCV_Cnt1 := TCV_Cnt1 +1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                        |     |          |
| 16                          |       | [TCV_Cnt1=1]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                        |     |          |
| 17                          |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                                                                      | ChReq_03                               | (P) | 4.       |
| 18                          |       | LIDL_UdatRqImmascRej                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ImmAssRej_01(TCV_agch, TCV_Rr, TCV_Fn) |     |          |
| 19                          |       | (TCV_Cnt1 := TCV_Cnt1 +1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                        |     |          |
|                             |       | <b>localtree</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |     |          |
| 20                          |       | [TCV_Cnt1=0]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                        |     |          |
| 21                          |       | L?DL_RacInChRq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ChReq_04                               |     | 3.       |
| 22                          |       | (TCV_Cnt := TCV_Cnt +1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                        |     |          |
| 23                          |       | [TCV_Cnt1=1]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                        |     |          |
| 24                          |       | L?DL_RacInChRq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ChReq_03                               |     | 4.       |
| 25                          |       | (TCV_Cnt := TCV_Cnt +1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                        |     |          |
| <b>Detailed Comments:</b>   |       | 1. The Max_retrns =7. TCV_Cnt1 value stands for NECI bit value.<br>2. To attempt a non call related supplementary service at the MS under test.<br>3. The establishment cause shall be '111'B (NECI = 0).<br>4. The establishment cause shall be '0001'B (NECI = 1).                                                                                                                                                                                                                                                 |                                        |     |          |



### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_26_2_4_8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Group:</b>          | GSM_L3_MS_v4160/InitialTest/                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purpose:</b>        | To verify that the establishment cause sent by the MS in the Max-Retrans+1 CHANNEL REQUEST messages is consistent with the requested service, with the capabilities of the MS and with the indications of the network in the following case:<br>If the MS supports SMS/PP MO:<br>when the NECI bit is set to 0 and a mobile originated short message service transaction is attempted.<br>when the NECI bit is set to 1 and a mobile originated short message service transaction is attempted. |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

| Nr | Label | Behaviour Description                                                                                               | CRef                                   | V   | Comments |
|----|-------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----|----------|
| 1  |       | START T_guard(600)                                                                                                  |                                        |     |          |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                |                                        |     |          |
| 3  |       | +IdleUpdated(C_CellA, C_Immss, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                      |                                        |     |          |
| 4  |       | (TCV_Cnt1:=0)                                                                                                       |                                        |     |          |
| 5  |       | REPEAT ltree_main UNTIL [TCV_Cnt1 = 2]                                                                              |                                        |     |          |
|    |       | <b>ltree_main</b>                                                                                                   |                                        |     |          |
| 6  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA)) |                                        |     |          |
| 7  |       | +SysInfoSending_01(5, 7, 0, TCV_Cnt1, '000'B, '001'B, '011'B, '00'O)                                                |                                        | 1.  |          |
| 8  | body  | +AtmpShortMsg                                                                                                       |                                        | 2.  |          |
| 9  |       | +BasicServiceMO(TSPX_MO_BscSvc_SMS, C_Full)                                                                         |                                        |     |          |
| 10 |       | (TCV_Cnt :=0)                                                                                                       |                                        |     |          |
| 11 |       | REPEAT localtree UNTIL [TCV_Cnt=7]                                                                                  |                                        |     |          |
| 12 |       | [TCV_Cnt1=0]                                                                                                        |                                        |     |          |
| 13 |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                        | ChReq_04                               | (P) | 3.       |
| 14 |       | L!DL_UdatRqImmssRej                                                                                                 | ImmAssRej_01(TCV_agch, TCV_Rr, TCV_Fn) |     |          |
| 15 |       | (TCV_Cnt1 := TCV_Cnt1 +1)                                                                                           |                                        |     |          |
| 16 |       | [TCV_Cnt1=1]                                                                                                        |                                        |     |          |
| 17 |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                        | ChReq_03                               | (P) | 4.       |
| 18 |       | L!DL_UdatRqImmssRej                                                                                                 | ImmAssRej_01(TCV_agch, TCV_Rr, TCV_Fn) |     |          |
| 19 |       | (TCV_Cnt1 := TCV_Cnt1 +1)                                                                                           |                                        |     |          |
|    |       | <b>localtree</b>                                                                                                    |                                        |     |          |
| 20 |       | [TCV_Cnt1=0]                                                                                                        |                                        |     |          |
| 21 |       | L?DL_RaInChRq                                                                                                       | ChReq_04                               |     | 3.       |
| 22 |       | (TCV_Cnt := TCV_Cnt +1)                                                                                             |                                        |     |          |
| 23 |       | [TCV_Cnt1=1]                                                                                                        |                                        |     |          |
| 24 |       | L?DL_RaInChRq                                                                                                       | ChReq_03                               |     | 4.       |
| 25 |       | (TCV_Cnt := TCV_Cnt +1)                                                                                             |                                        |     |          |

|                           |                                                                                                                                                                                                                                                                                                                                           |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Detailed Comments:</b> | <ol style="list-style-type: none"> <li>The Max_retrns =7. TCV_Cnt1 value stands for NECI bit value.</li> <li>To attempt a mobile originated short message service transaction at the MS under test.</li> <li>The establishment cause shall be '111'B (NECI = 0).</li> <li>The establishment cause shall be '0001'B (NECI = 1).</li> </ol> |
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## Test Group IdleMode

| Test Case Dynamic Behaviour                                                                                                                                                           |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |   |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Case Name:</b> TC_26_3_2                                                                                                                                                      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/IdleMode/                                                                                                                                               |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |   |          |
| <b>Purpose:</b> To verify that a MS can present the available PLMNs to the user when asked to do so in manual mode according to the requirements of GSM 05.08 and 02.11.              |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |   |          |
| <b>Default:</b> OtherEventsFail                                                                                                                                                       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |   |          |
| <b>Comments:</b> For the test the SIM shall contain a PLMN-Selector that contains only the HPLMN and a empty forbidden PLMN list. Final verdict is assigned in the test step PLMNsCHK |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |   |          |
| Nr                                                                                                                                                                                    | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CRef | V | Comments |
| 1                                                                                                                                                                                     |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |   |          |
| 2                                                                                                                                                                                     |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |   |          |
| 3                                                                                                                                                                                     |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                        |      |   |          |
| 4                                                                                                                                                                                     |       | (TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB), TCV_sacch_C := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellC), TCV_sacch_D := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellD), TCV_sacch_E := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellE), TCV_sacch_F := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellF), TCV_sacch_G := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellG), TCV_sacch_H := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellH)) |      |   |          |
| 5                                                                                                                                                                                     |       | +StartMultiCells_01(C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, 0, '001'B, '001'B, '010'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 6                                                                                                                                                                                     | body  | +SwitchOn                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |   |          |
| 7                                                                                                                                                                                     |       | (TCV_Null := OO_PLMNselModeMan())                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |   |          |
| 8                                                                                                                                                                                     |       | +PLMNsCHK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |   | 1.       |
| <b>Detailed Comments:</b> 1. Final verdict is assigned in the test step.                                                                                                              |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_3_3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/IdleMode/                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |   |          |
| <b>Purpose:</b>             |       | To verify that the MS will not produce any RF transmission if no BSS is received.                                                                                                                                                                                                                                                                                                                                                                                                                      |      |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |   |          |
| <b>Comments:</b>            |       | For the test the SIM shall contain a PLMN-Selector that contains only the HPLMN and a empty forbidden PLMN list. Final verdict is assigned in the test steps ServiceIndCHK and RFtransCHK                                                                                                                                                                                                                                                                                                              |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CRef | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |   |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                        |      |   |          |
| 4                           |       | (TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB), TCV_sacch_C := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellC), TCV_sacch_D := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellD), TCV_sacch_E := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellE), TCV_sacch_F := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellF), TCV_sacch_G := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellG), TCV_sacch_H := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellH)) |      |   |          |
| 5                           |       | +StartMultiCells_01(C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, 0, '001'B, '001'B, '010'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 6                           | body  | +StopAllBCCH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |   |          |
| 7                           |       | START T_dly(20000)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |   |          |
| 8                           |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |   |          |
| 9                           |       | +AttmpSpchCall                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |   |          |
| 10                          |       | +RFtransCHK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |   | 1.       |
| 11                          |       | +AttmpEmgCall                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |   |          |
| 12                          |       | +RFtransCHK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |   | 1.       |
| <b>Detailed Comments:</b>   |       | 1. The verdict is assigned in these test steps.                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                            |                                                                         |     |                         |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_3_4                                                                                                                                                                                                                  |                                                                         |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/IdleMode/                                                                                                                                                                                                  |                                                                         |     |                         |
| <b>Purpose:</b>             |       | To verify that in manual mode the MS is able to obtain normal service on a PLMN which is neither the better nor a preferred PLMN and that it tries to obtain service on VPLMN if and only if the user selects it manually. |                                                                         |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                            |                                                                         |     |                         |
| <b>Comments:</b>            |       | For the test the preferred PLMN list of the SIM does not contain PLMN2('02'O) but contains PLMN3('03'O). The MS shall be set to manual mode before the test starts.                                                        |                                                                         |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                      | CRef                                                                    | V   | Comments                |
| 1                           |       | START T_guard(420)                                                                                                                                                                                                         |                                                                         |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                       |                                                                         |     |                         |
| 3                           |       | +IdleUpdated(C_CellB, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                            |                                                                         |     |                         |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB))                                           |                                                                         |     |                         |
| 5                           |       | +StartTwoCells(C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                |                                                                         |     |                         |
| 6                           | body  | START T_dly(120000)                                                                                                                                                                                                        |                                                                         |     |                         |
| 7                           |       | ?TIMEOUT T_dly                                                                                                                                                                                                             |                                                                         | (P) | 1.                      |
| 8                           |       | +StartCellA_1(C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                 |                                                                         |     |                         |
| 9                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellB))                                                                                                                                                                   |                                                                         |     |                         |
| 10                          |       | START T_dly(120000)                                                                                                                                                                                                        |                                                                         |     |                         |
| 11                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                             |                                                                         | (P) | 1.                      |
| 12                          |       | (TCV_Null := OO_SelPLMN(C_PLMN_2))                                                                                                                                                                                         |                                                                         |     |                         |
| 13                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq, msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                              | ChReq_02                                                                |     |                         |
| 14                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                               |                                                                         |     | To match ChReq retrans. |
| 15                          |       | L!DL_UdatRqImmass                                                                                                                                                                                                          | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |     |                         |
| 16                          |       | L?DL_EstInLupRq                                                                                                                                                                                                            | LocUp_07(TCV_ch)                                                        | (P) | 2.                      |
| 17                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                  |                                                                         |     | Restore Normal default  |
| 18                          |       | L!DL_DatRqLupAcp                                                                                                                                                                                                           | LocAcp_02(TCV_ch)                                                       |     |                         |
| 19                          |       | +PostMainLinkRel (TCV_ch)                                                                                                                                                                                                  |                                                                         |     |                         |
| 20                          |       | +StopCellB                                                                                                                                                                                                                 |                                                                         |     |                         |
| 21                          |       | START T_dly(120000)                                                                                                                                                                                                        |                                                                         |     |                         |
| 22                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                             |                                                                         | (P) | 1.                      |
| <b>Detailed Comments:</b>   |       | <p>1. During 2 minutes the MS does not send any CHANNEL REQUEST, pass. If the MS does the test case fail in the default tree.</p> <p>2. The expected LOCATION UPDATING REQUEST message received on Cell B.</p>             |                                                                         |     |                         |

## Test Group BiBo

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                             |                        |     |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_5_1                                                                                                                                                                                                                                                                                                                                                                                                   |                        |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                                                                                                                                                                                                       |                        |     |          |
| <b>Purpose:</b>             |       | To verify that a MS supporting TCH and the call control protocol ignores a message containing an undefined protocol discriminator in the special case of a message coded otherwise like a CC STATUS ENQUIRY message received by the MS having a mobile terminating call in CC-state U10, "active".                                                                                                          |                        |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                             |                        |     |          |
| <b>Comments:</b>            |       | Full rate traffic channel is used for the MT call in the test case if TSPC_CC is TRUE.                                                                                                                                                                                                                                                                                                                      |                        |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                       | CRef                   | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                          |                        |     |          |
| 2                           |       | +BasicServiceMT(TSPX_MTBscSvcA,TSPX_MTChRateA,TSPX_MT_ImmConnA)                                                                                                                                                                                                                                                                                                                                             |                        |     |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                        |                        |     |          |
| 4                           |       | +IdleUpdated(C_CellA, C_ImmAss, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                             |                        |     |          |
| 5                           | body  | [TSPC_CC = TRUE]                                                                                                                                                                                                                                                                                                                                                                                            |                        |     | 1.       |
| 6                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef))                                                                                                                                                                             |                        |     |          |
| 7                           |       | +PreEnterIdleState_13(C_ImmAss,TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                 |                        |     |          |
| 8                           |       | +PreEnterCCstateU10( TCV_Setup_mt, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                |                        |     | 1.       |
| 9                           |       | LIDL_DatRqUnknown                                                                                                                                                                                                                                                                                                                                                                                           | Unknown_01(TCV_ch Tch) |     | 2.       |
| 10                          |       | START T_dly(10000)                                                                                                                                                                                                                                                                                                                                                                                          |                        |     |          |
| 11                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                              |                        | (P) |          |
| 12                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                 |                        |     |          |
| 13                          |       | [TSPC_CC = FALSE]                                                                                                                                                                                                                                                                                                                                                                                           |                        |     | 3.       |
| 14                          |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                                                                                                                                                                                                         |                        |     |          |
| 15                          |       | +PreEnterIdleState_03(C_ImmAss,TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                     |                        |     |          |
| 16                          |       | +PreEstRRConn(TCV_slot, TCV_tsc, TimingAdv_01)                                                                                                                                                                                                                                                                                                                                                              |                        |     |          |
| 17                          |       | LIDL_DatRqUnknown                                                                                                                                                                                                                                                                                                                                                                                           | Unknown_02(TCV_ch )    |     | 4.       |
| 18                          |       | START T_dly(10000)                                                                                                                                                                                                                                                                                                                                                                                          |                        |     |          |
| 19                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                              |                        | (P) |          |
| 20                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                    |                        |     |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. If the MS supports any bearer capability the test case goes through this branch.</li> <li>2. To send a CC STATUS ENQUIRY alike unknown message on channel FACCH.</li> <li>3. If the MS does not support any bearer capability the test case goes through this branch.</li> <li>4. To send a CC STATUS ENQUIRY alike unknown message on channel SDCCH4.</li> </ol> |                        |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                         |                                                     |     |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_5_2_1_1                                                                                                                                                                                           |                                                     |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                   |                                                     |     |          |
| <b>Purpose:</b>             |       | To verify that the MS ignores an RR message with skip indicator different from H'0 in the special case of a PAGING REQUEST TYPE 1 message received in the MM-state "idle, updated" and in RR-idle mode. |                                                     |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                         |                                                     |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                   | CRef                                                | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                      |                                                     |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                    |                                                     |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                         |                                                     |     |          |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                     |                                                     |     |          |
| 5                           |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                |                                                     |     |          |
| 6                           |       | (TCV_Cnt := 1)                                                                                                                                                                                          |                                                     |     |          |
| 7                           |       | +CCCH_group_Paging_group(TCV_Ccd0 A, TSPX_IMSI)                                                                                                                                                         |                                                     |     |          |
| 8                           | body  | REPEAT localtree UNTIL [TCV_Cnt = 7]                                                                                                                                                                    |                                                     |     |          |
| 9                           |       | LIDL_UdatRqPg1Rq                                                                                                                                                                                        | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_inv_01(8))       |     | 1.       |
| 10                          |       | START T_dly(3000)                                                                                                                                                                                       |                                                     |     |          |
| 11                          |       | ?TIMEOUT T_dly                                                                                                                                                                                          |                                                     | (P) |          |
| 12                          |       | <b>localtree</b><br>LIDL_UdatRqPg1Rq                                                                                                                                                                    | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_inv_01(TCV_Cnt)) |     | 1.       |
| 13                          |       | START T_dly(3000)                                                                                                                                                                                       |                                                     |     |          |
| 14                          |       | ?TIMEOUT T_dly                                                                                                                                                                                          |                                                     |     |          |
| 15                          |       | (TCV_Cnt := TCV_Cnt+1)                                                                                                                                                                                  |                                                     | (P) |          |
| <b>Detailed Comments:</b>   |       | 1. To send PAGING REQUEST TYPE 1 message with unknown skip indicator.                                                                                                                                   |                                                     |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                        |                                                                          |    |                                       |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|----|---------------------------------------|
| <b>Test Case Name:</b>      |       | TC_26_5_2_1_2                                                                                                                                                                                                                                          |                                                                          |    |                                       |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                                                  |                                                                          |    |                                       |
| <b>Purpose:</b>             |       | To verify that the MS ignores RR messages with skip indicator different from H'0 in the case of a message being received during the RR-connection establishment in the MM-state "idle, updated" / "wait for network command" and in RR-connected mode. |                                                                          |    |                                       |
| <b>Default:</b>             |       | RR-connected mode.<br>OtherEventsFail_01                                                                                                                                                                                                               |                                                                          |    |                                       |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                  | CRef                                                                     | V  | Comments                              |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                     |                                                                          |    |                                       |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                   |                                                                          |    |                                       |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                        |                                                                          |    |                                       |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                                                    |                                                                          |    |                                       |
| 5                           |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 2, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                               |                                                                          | 1. |                                       |
| 6                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                         |                                                                          |    |                                       |
| 7                           | body  | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                       | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                                   |    |                                       |
| 8                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                           | ChReq_01                                                                 |    |                                       |
| 9                           |       | L!DL_UdatRqImmass                                                                                                                                                                                                                                      | ImmAss_inv_01(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) | 2. |                                       |
| 10                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                           | ChReq_01                                                                 | 3. |                                       |
| 11                          |       | L!DL_UdatRqImmassRej                                                                                                                                                                                                                                   | ImmAssRej_inv_01(TCV_agch, TCV_Rr, TCV_Fn)                               | 4. |                                       |
| 12                          |       | +continue                                                                                                                                                                                                                                              |                                                                          |    |                                       |
| 13                          |       | <b>continue</b><br>L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                        | ChReq_01                                                                 | 3. |                                       |
| 14                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                           |                                                                          |    | To match ChReq retrans. valid message |
| 15                          |       | L!DL_UdatRqImmass                                                                                                                                                                                                                                      | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01)  |    |                                       |
| 16                          |       | +localtree                                                                                                                                                                                                                                             |                                                                          |    |                                       |
| 17                          |       | <b>localtree</b><br>L?DL_EstInPgRes                                                                                                                                                                                                                    | PgRes_01                                                                 |    |                                       |
| 18                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                              |                                                                          |    | Restore Normal default                |
| 19                          |       | L!DL_DatRqAuthRq                                                                                                                                                                                                                                       | AuthReq_01(TCV_ch)                                                       |    |                                       |
| 20                          |       | L?DL_DatInAuthRes                                                                                                                                                                                                                                      | AuthRes_01                                                               |    |                                       |
| 21                          |       | L!DL_DatRqCphmCmd                                                                                                                                                                                                                                      | CphCmd_inv_02(TCV_ch)                                                    | 5. |                                       |
| 22                          |       | L!DL_DatRqIdRq                                                                                                                                                                                                                                         | IDReq(TCV_ch, IDRequest_01('0001'B))                                     |    |                                       |
| 23                          |       | L?DL_DatInIdRes                                                                                                                                                                                                                                        | IDRes_01                                                                 |    |                                       |
| 24                          |       | L!DL_DatRqAssCmd                                                                                                                                                                                                                                       | AssCmd(TCV_ch, AssnCmd_inv_01(TCV_slot, TCV_tsc))                        | 6. |                                       |
| 25                          |       | +check2                                                                                                                                                                                                                                                |                                                                          |    |                                       |
| 26                          |       | L!DL_DatRqHoCmd                                                                                                                                                                                                                                        | HndOv_inv_02(TCV_                                                        | 7. |                                       |

|                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                             |     |    |
|---------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----|----|
| 27                        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ch, TCV_slot,<br>TCV_tsc)                   |     |    |
| 28                        |  | +check3<br>L!DL_DatRqChRel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ChRel_inv_02(TCV_c<br>h)                    |     | 9. |
| 29                        |  | LIDL_DatRqldRq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | IDReq(TCV_ch,<br>IDRequest_01('0001'<br>B)) |     |    |
| 30                        |  | L?DL_DatInIdRes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | IDRes_01                                    | (P) |    |
| 31                        |  | L!DL_DatRqChRel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ChRel_01(TCV_ch)                            |     |    |
| 32                        |  | +WaitMainLinkDown                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                             |     |    |
|                           |  | <b>check2</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                             |     |    |
| 33                        |  | START T_dly(3000)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                             |     |    |
| 34                        |  | L?DL_EstIn                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DLEstInd_01                                 | (F) |    |
| 35                        |  | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                             | (P) |    |
|                           |  | <b>check3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                             |     |    |
| 36                        |  | START T_dly(3000)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                             |     | 8. |
| 37                        |  | L?DL_EstIn                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DLEstInd_01                                 |     |    |
| 38                        |  | L?DL_DatInHofl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | HndOvFI_01(TCV_ch)                          | (F) |    |
| 39                        |  | L?DL_DatInRrst                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | RrStatus_01(TCV_ch)                         | (F) |    |
| 40                        |  | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                             | (P) |    |
| <b>Detailed Comments:</b> |  | <ol style="list-style-type: none"> <li>1. To set the Max_Retrans = 2.</li> <li>2. To send an invalid IMMEDIATE ASSIGNMENT message with skip indicator = 1.</li> <li>3. Retransmission of Channel request indicates that mobile ignored the message with invalid skip indicator.</li> <li>4. To send an invalid IMMEDIATE ASSIGNMENT REJECT message with skip indicator = 2.</li> <li>5. To send an invalid CIPHERING MODE COMMAND message with skip indicator = 3.</li> <li>6. To send an invalid ASSIGNMENT COMMAND message with skip indicator = 4.</li> <li>7. To send an invalid HANDOVER COMMAND message with skip indicator = 5.</li> <li>8. To check that there is no HANDOVER FAILURE or RR-STATUS message on old channel.</li> <li>9. To send an invalid CHANNEL RELEASE message with skip indicator = 6.</li> </ol> |                                             |     |    |



| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                 |                                    |     |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_5_2_2                                                                                                                                                                                                                                     |                                    |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                                           |                                    |     |          |
| <b>Purpose:</b>             |       | To verify that the MS ignores an MM message with skip indicator different from H'0 in the special case of an MS supporting the call control protocol and an IDENTITY REQUEST message received in the active state of a mobile terminating call. |                                    |     |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                              |                                    |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                           | CRef                               | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                              |                                    |     |          |
| 2                           |       | +BasicServiceMT(TSPX_MTBscSvcB,TSPX_MTChRateB,TSPX_MT_ImmConnB)                                                                                                                                                                                 |                                    |     |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                            |                                    |     |          |
| 4                           |       | +IdleUpdated(C_CellA, C_ImmMass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                |                                    |     |          |
| 5                           | body  | [TSPC_CC = TRUE]                                                                                                                                                                                                                                |                                    |     |          |
| 6                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef))                 |                                    |     |          |
| 7                           |       | +PreEnterIdleState_04(C_ImmMass,TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                    |                                    |     |          |
| 8                           |       | +PreEnterCCstateU10(TCV_Setup_mt, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                     |                                    |     | 1.       |
| 9                           |       | +maintest1                                                                                                                                                                                                                                      |                                    |     |          |
| 10                          |       | [TSPC_CC = FALSE]                                                                                                                                                                                                                               |                                    |     | 2.       |
| 11                          |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                                             |                                    |     |          |
| 12                          |       | +PreEnterIdleState_03(C_ImmMass,TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                        |                                    |     |          |
| 13                          |       | +PreEstRRConn(TCV_slot, TCV_tsc, TimingAdv_01)                                                                                                                                                                                                  |                                    |     |          |
| 14                          |       | +maintest2                                                                                                                                                                                                                                      |                                    |     |          |
| 15                          |       | <b>maintest1</b><br>(TCV_Cnt := 0)                                                                                                                                                                                                              |                                    |     |          |
| 16                          |       | REPEAT subtree1 UNTIL [TCV_Cnt = 6]                                                                                                                                                                                                             |                                    |     |          |
| 17                          |       | LIDL_DatRqldRq                                                                                                                                                                                                                                  | IDReq_inv_01(TCV_chTch, 8)         |     | 3.       |
| 18                          |       | START T_dly(5000)                                                                                                                                                                                                                               |                                    |     |          |
| 19                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                  |                                    | (P) |          |
| 20                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                     |                                    |     |          |
| 21                          |       | <b>maintest2</b><br>(TCV_Cnt := 0)                                                                                                                                                                                                              |                                    |     |          |
| 22                          |       | REPEAT subtree2 UNTIL [TCV_Cnt = 6]                                                                                                                                                                                                             |                                    |     |          |
| 23                          |       | LIDL_DatRqldRq                                                                                                                                                                                                                                  | IDReq_inv_01(TCV_ch, 8)            |     | 4.       |
| 24                          |       | START T_dly(5000)                                                                                                                                                                                                                               |                                    |     |          |
| 25                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                  |                                    | (P) |          |
| 26                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                        |                                    |     |          |
| 27                          |       | <b>subtree1</b><br>LIDL_DatRqldRq                                                                                                                                                                                                               | IDReq_inv_01(TCV_chTch, TCV_Cnt+1) |     | 3.       |

|                           |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |    |
|---------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 28                        | START T_dly(1000)        |                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |    |
| 29                        | ?TIMEOUT T_dly           |                                                                                                                                                                                                                                                                                                                                                                                                                                              | (P) |    |
| 30                        | (TCV_Cnt := TCV_Cnt + 1) |                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |    |
|                           | <b>subtree2</b>          |                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |    |
| 31                        | L!DL_DatRqldRq           | IDReq_inv_01(TCV_c<br>h, TCV_Cnt+1)                                                                                                                                                                                                                                                                                                                                                                                                          |     | 4. |
| 32                        | START T_dly(1000)        |                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |    |
| 33                        | ?TIMEOUT T_dly           |                                                                                                                                                                                                                                                                                                                                                                                                                                              | (P) |    |
| 34                        | (TCV_Cnt := TCV_Cnt + 1) |                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |    |
| <b>Detailed Comments:</b> |                          | <ol style="list-style-type: none"> <li>1. This subtree is for the MS supporting at least one bearer capability.</li> <li>2. This subtree is for the MS not supporting any bearer capability.</li> <li>3. To send an invalid IDENTITY REQUEST message containing incorrect skip indicator on channel<br/>FACCH.</li> <li>4. To send an invalid IDENTITY REQUEST message containing incorrect skip indicator on channel<br/>SDCCH4.</li> </ol> |     |    |

### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_26_5_2_3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Group:</b>          | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purpose:</b>        | <p>a) To verify that the MS having a mobile terminating call in CC-state U10, "active", on receipt of a DISCONNECT message which includes a transaction identifier which is not recognised as relating to an active call or a call in progress, sends a RELEASE COMPLETE message with cause value #81 and referring to the latter TI without changing the state of the active call (this is verified by use of the status enquiry procedure).</p> <p>b) To verify that the MS having a mobile terminating call in CC-state U10, "active", on receipt of a</p> <p>b1) RELEASE COMPLETE message which includes a transaction identifier with a value different from 111, which is not recognised as relating to an active call or a call in progress, or a</p> <p>b2) SETUP message with TI flag referring to a transaction originated by the MS (in the special case where the TI value is equal to the TI value relating to the active call), or a</p> <p>b3) SETUP message with TI referring to the active call, ignores that message without changing the state of the active call (this is verified by use of the status enquiry procedure).</p> <p>c) To verify that the MS ignores a CC message with a TI value 111.</p> <p>The test is only applicable to an MS supporting the call control protocol for at least one BC.</p> <p>Default: OtherEventsFail</p> |

| Nr | Label | Behaviour Description                                                                                                                                                                                                           | CRef                   | V   | Comments |
|----|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----|----------|
| 1  |       | START T_guard(300)                                                                                                                                                                                                              |                        |     |          |
| 2  |       | +BasicServiceMT(TSPX_MTBscSvcC,TSPX_MTChRateC,TSPX_MT_ImmConnC)                                                                                                                                                                 |                        |     |          |
| 3  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                            |                        |     |          |
| 4  |       | +IdleUpdated(C_CellA, C_Immch, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                  |                        |     |          |
| 5  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef)) |                        |     |          |
| 6  |       | +PreEnterIdleState_04(C_Immch,TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmStDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                        |                        |     |          |
| 7  |       | +PreEnterCCstateU10(TCV_Setup_mt, C_Ass, TSPX_TmStDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                       |                        |     |          |
| 8  | body  | +test_a                                                                                                                                                                                                                         |                        |     |          |
| 9  |       | +test_b1                                                                                                                                                                                                                        |                        |     |          |
| 10 |       | +test_b2                                                                                                                                                                                                                        |                        |     |          |
| 11 |       | +test_b3                                                                                                                                                                                                                        |                        |     |          |
| 12 |       | +test_c                                                                                                                                                                                                                         |                        |     |          |
|    |       | <b>test_a</b>                                                                                                                                                                                                                   |                        |     |          |
| 13 |       | L!DL_DatRqDisc                                                                                                                                                                                                                  | Disc_inv_01(TCV_chTch) |     | 1.       |
| 14 |       | L?DL_DatInRelCmp                                                                                                                                                                                                                | RelCmp_06              |     |          |
| 15 |       | +CCstatuschk_01(TCV_chTch, C_U10)                                                                                                                                                                                               |                        |     |          |
|    |       | <b>test_b1</b>                                                                                                                                                                                                                  |                        |     |          |
| 16 |       | L!DL_DatRqRelCmp (DL_DatRqRelCmp.msg.ti := TI_04)                                                                                                                                                                               | RelCmpRq_01(TCV_chTch) |     | 2.       |
| 17 |       | START T_dly(5000)                                                                                                                                                                                                               |                        |     |          |
| 18 |       | ?TIMEOUT T_dly                                                                                                                                                                                                                  |                        | (P) |          |
| 19 |       | +CCstatuschk_01(TCV_chTch, C_U10)                                                                                                                                                                                               |                        |     |          |

|                                                                                              |                                   |                           |    |
|----------------------------------------------------------------------------------------------|-----------------------------------|---------------------------|----|
| 20                                                                                           | <b>test_b2</b><br>L!DL_DatRqSetup | SetupRq_inv_01(TCV_chTch) | 3. |
| 21                                                                                           | START T_dly(5000)                 |                           |    |
| 22                                                                                           | ?TIMEOUT T_dly                    | (P)                       |    |
| 23                                                                                           | +CCstatuschk_01(TCV_chTch, C_U10) |                           |    |
| 24                                                                                           | <b>test_b3</b><br>L!DL_DatRqSetup | SetupRq_03(TCV_chTch)     | 4. |
| 25                                                                                           | START T_dly(5000)                 |                           |    |
| 26                                                                                           | ?TIMEOUT T_dly                    | (P)                       |    |
| 27                                                                                           | +CCstatuschk_01(TCV_chTch, C_U10) |                           |    |
| 28                                                                                           | <b>test_c</b><br>L!DL_DatRqDisc   | Disc_inv_05(TCV_chTch)    | 5. |
| 29                                                                                           | START T_dly(5000)                 |                           |    |
| 30                                                                                           | ?TIMEOUT T_dly                    | (P)                       |    |
| 31                                                                                           | +CCstatuschk_01(TCV_chTch, C_U10) |                           |    |
| 32                                                                                           | +PostMainLinkRel(TCV_chTch)       |                           |    |
| <b>Detailed Comments:</b>                                                                    |                                   |                           |    |
| 1. The TI value of the DISCONNECT message does not refer to the active call.                 |                                   |                           |    |
| 2. The TI value of the RELEASE COMPLETE message does not refer to the active call ('0000'B). |                                   |                           |    |
| 3. The TI flag of the SETUP message is set to 1 and TI value refers to the active call.      |                                   |                           |    |
| 4. This SETUP contains TI refers to the active call ('0000'B).                               |                                   |                           |    |
| 5. The TI value of the DISCONNECT message is '111'B.                                         |                                   |                           |    |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                   |                     |     |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_5_3_1                                                                                                                                                                                                                                                                                                                                                                                                       |                     |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                                                                                                                                                                                                             |                     |     |          |
| <b>Purpose:</b>             |       | To verify that a MS supporting the call control protocol for at least one BC, having a mobile terminating call in CC-state U10, "active", on receipt of a message with CC protocol discriminator and an arbitrary undefined message, returns a STATUS message with cause value #97 to the peer CC entity without changing the state of the active call (this is verified by use of the status enquiry procedure.) |                     |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                   |                     |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                             | CRef                | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                |                     |     |          |
| 2                           |       | +BasicServiceMT(TSPX_MTBscSvcD,TSPX_MTChRateD,TSPX_MT_ImmConnD)                                                                                                                                                                                                                                                                                                                                                   |                     |     |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                              |                     |     |          |
| 4                           |       | +IdleUpdated(C_CellA, C_Immacc, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                   |                     |     |          |
| 5                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef))                                                                                                                                                                                   |                     |     |          |
| 6                           |       | +PreEnterIdleState_04(C_Immacc,TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                        |                     |     |          |
| 7                           |       | +PreEnterCCstateU10(TCV_Setup_mt, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                        |                     |     |          |
| 8                           | body  | LIDL_DatRqUndefCC                                                                                                                                                                                                                                                                                                                                                                                                 | Undef_01(TCV_chTch) |     | 1.       |
| 9                           |       | L?DL_DatInCcst                                                                                                                                                                                                                                                                                                                                                                                                    | CCSt_02             | (P) |          |
| 10                          |       | +CCstatuschk_01(TCV_chTch, C_U10)                                                                                                                                                                                                                                                                                                                                                                                 |                     |     |          |
| 11                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                       |                     |     |          |
| <b>Detailed Comments:</b>   |       | 1. This is an undefined CC message.                                                                                                                                                                                                                                                                                                                                                                               |                     |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |     |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_5_3_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     |     |          |
| <b>Purpose:</b>             |       | To verify that a MS supporting the call control protocol for at least one BC, having a mobile terminating call in CC-state U10, "active", on receipt of a message with MM protocol discriminator and message type undefined for the mobility management protocol, returns an MM-STATUS message with reject cause value #97 without changing the state of the active call (this is verified by use of the status enquiry procedure.) This is tested in the special case where the CC TI has value 0 (so that it has the same encoding as the skip indicator when sent from the SS) and where the message type has the same encoding as DISCONNECT in CC. |                     |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Cref                | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     |     |          |
| 2                           |       | +BasicServiceMT(TSPX_MTBscSvcE,TSPX_MTChRateE,TSPX_MT_ImmConnE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |     |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |     |          |
| 4                           |       | +IdleUpdated(C_CellA, C_ImmMass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                     |     |          |
| 5                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef))                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |     |          |
| 6                           |       | +PreEnterIdleState_04(C_ImmMass,TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                     |     |          |
| 7                           |       | +PreEnterCCstateU10(TCV_Setup_mt, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |     |          |
| 8                           | body  | LIDL_DatRqUndefMM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Undef_02(TCV_chTch) |     | 1.       |
| 9                           |       | L?DL_DatInMmst                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | MmSt_01             | (P) |          |
| 10                          |       | +CCstatuschk_01(TCV_chTch, C_U10)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |     |          |
| 11                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |     |          |
| <b>Detailed Comments:</b>   |       | 1. This is an undefined MM message.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                            |                                |     |                           |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----|---------------------------|
| <b>Test Case Name:</b>      |       | TC_26_5_3_3                                                                                                                                                                                                                                                                                                |                                |     |                           |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                                                                                                      |                                |     |                           |
| <b>Purpose:</b>             |       | To verify that an MS in RR connected mode on receipt of a message with RR protocol discriminator and message type undefined for the RR protocol, returns an RR-STATUS message with reject cause value #97 without changing its state (this is checked by observing that the MS does not send L3 messages.) |                                |     |                           |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                            |                                |     |                           |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                      | CRef                           | V   | Comments                  |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                         |                                |     |                           |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                       |                                |     |                           |
| 3                           |       | +IdleUpdated(C_CellA, C_Imm, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                               |                                |     |                           |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef))                                                                                                                                     |                                |     |                           |
| 5                           |       | +PreEnterIdleState_03(C_Imm, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                      |                                |     |                           |
| 6                           |       | +PreEstRRConn(TCV_slot, TCV_tsc, TimingAdv_01)                                                                                                                                                                                                                                                             |                                |     |                           |
| 7                           | body  | L!DL_DatRqUndefRR                                                                                                                                                                                                                                                                                          | Undef_03(TCV_ch)               |     | 1.                        |
| 8                           |       | L?DL_DatInRrst                                                                                                                                                                                                                                                                                             | RrStatus_03                    |     |                           |
| 9                           |       | (TCV_Null := OM_L2FillFrmCHK(TCV_ch, C_START)) START T_dly(5000)                                                                                                                                                                                                                                           |                                |     | Start L2 fill frame check |
| 10                          |       | +L2FillFrmChk                                                                                                                                                                                                                                                                                              |                                |     |                           |
| 11                          |       | [TSPC_BC = TRUE]                                                                                                                                                                                                                                                                                           |                                |     | 2.                        |
| 12                          |       | +BasicServiceMT(TSPX_MTBs, cSvcA, TSPX_MTChRateA, TSPX_MT_ImmConnA)                                                                                                                                                                                                                                        |                                |     |                           |
| 13                          |       | +Authentication(TCV_ch, TSPX_CKSNDf)                                                                                                                                                                                                                                                                       |                                |     |                           |
| 14                          |       | +Ciphering_on(TCV_ch)                                                                                                                                                                                                                                                                                      |                                |     |                           |
| 15                          |       | L!DL_DatRqSetup (TCV_TI.ti_f := '0'B, TCV_TI.ti_v := '000'B)                                                                                                                                                                                                                                               | SetupSnd(TCV_ch, TCV_Setup_mt) |     |                           |
| 16                          |       | L?DL_DatInCallCo                                                                                                                                                                                                                                                                                           | CallCfm_01                     | (P) |                           |
| 17                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                   |                                |     |                           |
| 18                          |       | [TSPC_BC = FALSE]                                                                                                                                                                                                                                                                                          |                                |     | 3.                        |
| 19                          |       | L!DL_DatRqSetup                                                                                                                                                                                                                                                                                            | SetupRq_01(TCV_ch)             |     |                           |
| 20                          |       | L?DL_DatInRelCmp                                                                                                                                                                                                                                                                                           | RelCmp_02(TI_01)               | (P) |                           |
| 21                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                   |                                |     |                           |
| 22                          |       | <b>L2FillFrmChk</b>                                                                                                                                                                                                                                                                                        |                                |     |                           |
| 23                          |       | ?TIMEOUT T_dly (TCV_Res := OM_L2FillFrmCHK(TCV_ch, C_STOP))                                                                                                                                                                                                                                                |                                |     | Stop checking             |
| 24                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                          |                                | (F) |                           |
| 25                          |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                           |                                | (P) |                           |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To send an undefined RR message.</li> <li>2. If the MS supports at least one bearer capability, the test case goes through this subtree.</li> <li>3. If the MS does not support any bearer capability, the test case goes through this subtree.</li> </ol>       |                                |     |                           |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |     |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_5_3_4                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                |     |          |
| <b>Purpose:</b>             |       | To verify that a MS supporting the call control protocol for at least one BC, having a call in CC-state U10, "active", on receipt of an inopportune CC message, returns a STATUS message with reject cause value #98 without changing the state of the active call (this is verified by use of the status enquiry procedure.) This is tested in the special case where the inopportune CC message is a CALL PROCEEDING message relating to the active call. |                                |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                       | CRef                           | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |     |          |
| 2                           |       | +BasicServiceMT(TSPX_MTBscSvcF,TSPX_MTChRateF,TSPX_MT_ImmConnF)                                                                                                                                                                                                                                                                                                                                                                                             |                                |     |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |     |          |
| 4                           |       | +IdleUpdated(C_CellA, C_Imm, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                |                                |     |          |
| 5                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef))                                                                                                                                                                                                                             |                                |     |          |
| 6                           |       | +PreEnterIdleState_04(C_Imm, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                    |                                |     |          |
| 7                           |       | +PreEnterCCstateU10(TCV_Setup_mt, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                  |                                |     | 1.       |
| 8                           | body  | L!DL_DatRqCallProc                                                                                                                                                                                                                                                                                                                                                                                                                                          | CallProc_01(TCV_TI, TCV_chTch) |     | 2.       |
| 9                           |       | L?DL_DatInCst                                                                                                                                                                                                                                                                                                                                                                                                                                               | CCSt_03(TCV_TI0)               | (P) |          |
| 10                          |       | +CCstatuschk_04(C_U10, TCV_TI)                                                                                                                                                                                                                                                                                                                                                                                                                              |                                |     |          |
| 11                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                |     |          |
| <b>Detailed Comments:</b>   |       | 1. To enter CC state U10.<br>2. To send an inopportune CALL PROCEEDING message.                                                                                                                                                                                                                                                                                                                                                                             |                                |     |          |



| Test Case Dynamic Behaviour |           |                                                                                                                                                                                                                               |                                                                        |     |                         |
|-----------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |           | TC_26_5_4_1                                                                                                                                                                                                                   |                                                                        |     |                         |
| <b>Group:</b>               |           | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                         |                                                                        |     |                         |
| <b>Purpose:</b>             |           | To verify that the MS ignores an unforeseen second occurrence of an information element with format T, TV, or TLV in the special case of the mobile identity IE which has format TLV in the LOCATION UPDATING ACCEPT message. |                                                                        |     |                         |
| <b>Default:</b>             |           | OtherEventsFail                                                                                                                                                                                                               |                                                                        |     |                         |
| Nr                          | Label     | Behaviour Description                                                                                                                                                                                                         | CRef                                                                   | V   | Comments                |
| 1                           |           | START T_guard(300)                                                                                                                                                                                                            |                                                                        |     |                         |
| 2                           |           | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                          |                                                                        |     |                         |
| 3                           |           | +IdleUpdated(C_CellA, C_Imm, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                  |                                                                        |     |                         |
| 4                           |           | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                           |                                                                        |     |                         |
| 5                           |           | +PreEnterIdleState_03(C_Imm, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                         |                                                                        |     |                         |
| 6                           |           | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellB), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB))                                                                                                         |                                                                        |     |                         |
| 7                           |           | +StartCellB_1(C_Imm, TCV_slot, TCV_tsc, TimingAdv_01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                       |                                                                        |     |                         |
| 8                           |           | +CCCH_group_Paging_group(TCV_Ccd0B, TSPX_IMSI)                                                                                                                                                                                |                                                                        |     |                         |
| 9                           | body      | +LowerRfLevelOfCell(C_CellA)                                                                                                                                                                                                  |                                                                        |     | 1.                      |
| 10                          |           | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                  | ChReq_20(C_RACH_B_1)                                                   |     |                         |
| 11                          |           | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                  |                                                                        |     | To match ChReq retrans. |
| 12                          |           | L!DL_UdatRqImm                                                                                                                                                                                                                | ImmAss_06(C_AGCH_B_1, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |     | 2.                      |
| 13                          |           | L?DL_EstInLupRq                                                                                                                                                                                                               | LocUp_04(TCV_ch)                                                       |     |                         |
| 14                          |           | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                     |                                                                        |     | Restore Normal default  |
| 15                          |           | L!DL_DatRqLupAcpErr                                                                                                                                                                                                           | LocAcp_inv_01(TCV_ch)                                                  |     | 3.                      |
| 16                          |           | L!DL_DatRqChRel                                                                                                                                                                                                               | ChRel_01(TCV_ch)                                                       |     |                         |
| 17                          |           | L?DL_Relln                                                                                                                                                                                                                    | DLRelInd_01                                                            |     |                         |
| 18                          |           | START T_dly(5000)                                                                                                                                                                                                             |                                                                        |     |                         |
| 19                          |           | ?TIMEOUT T_dly                                                                                                                                                                                                                |                                                                        |     |                         |
| 20                          |           | +localtree                                                                                                                                                                                                                    |                                                                        |     |                         |
| 21                          | localtree | L!DL_UdatRqPg1Rq                                                                                                                                                                                                              | PgReq1(C_PCH_B_1, TCV_Pgg, PgReqTp1_01)                                |     | 4.                      |
| 22                          |           | START T_dly(5000)                                                                                                                                                                                                             |                                                                        |     |                         |
| 23                          |           | ?TIMEOUT T_dly                                                                                                                                                                                                                |                                                                        |     |                         |
| 24                          |           | L!DL_UdatRqPg1Rq                                                                                                                                                                                                              | PgReq1(C_PCH_B_1, TCV_Pgg, PgReqTp1_05)                                |     | 5.                      |
| 25                          |           | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                  | ChReq_15(C_RACH_B_1)                                                   | (P) |                         |
| 26                          |           | L!DL_UdatRqImmRej                                                                                                                                                                                                             | ImmAssRej_04(C_AGCH_B_1, TCV_Rr, TCV_Fn)                               |     |                         |
| <b>Detailed Comments:</b>   |           | 1. To lower RF level until the MS selects cell B.<br>2. The cell B assigns C_SDCCH4_B_1 to the MS.<br>3. To send an invalid LOCATION UPDATING ACCEPT message containing duplicated IE's.                                      |                                                                        |     |                         |

4. To send a PAGING REQUEST TYPE 1 message containing mobile identity = TMSI of the MS.  
5. To send a PAGING REQUEST TYPE 1 message containing mobile identity = IMSI of the MS.

| Test Case Dynamic Behaviour |       |                                                                                                                                                                            |                      |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_5_5_1_1_1                                                                                                                                                            |                      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/BiBo/                                                                                                                                                      |                      |   |          |
| <b>Purpose:</b>             |       | To verify that the MS in RR connected mode releases the connection upon receipt of a CHANNEL RELEASE message with missing RR cause (which is "mandatory" in that message). |                      |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                            |                      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                      | CRef                 | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                         |                      |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                       |                      |   |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                            |                      |   |          |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                        |                      |   |          |
| 5                           |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                   |                      |   |          |
| 6                           |       | +PreEstRRConn(TCV_slot, TCV_tsc, TimingAdv_01)                                                                                                                             |                      |   |          |
| 7                           | body  | LIDL_DatRqChRel                                                                                                                                                            | ChRel_inv_01(TCV_ch) |   | 1.       |
| 8                           |       | L?DL_Relln                                                                                                                                                                 | DLRelInd_01          | P |          |
| <b>Detailed Comments:</b>   |       | 1. To send an invalid CHANNEL RELEASE message missing mandatory RR cause IE.                                                                                               |                      |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                        |                       |     |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_5_5_1_1_2                                                                                                                                                                                                        |                       |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                  |                       |     |          |
| <b>Purpose:</b>             |       | To verify that the MS in RR connected mode ignores a ciphering mode command message in which the ciphering mode setting IE and cipher response IE are missing except for the fact that it returns a RR-STATUS message. |                       |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                        |                       |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                  | CRef                  | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                     |                       |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                   |                       |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                        |                       |     |          |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef))                                                 |                       |     |          |
| 5                           |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                               |                       |     |          |
| 6                           |       | +PreEstRRConn(TCV_slot, TCV_tsc, TimingAdv_01)                                                                                                                                                                         |                       |     |          |
| 7                           | body  | LIDL_DatRqCphmCmd                                                                                                                                                                                                      | CphCmd_inv_01(TCV_ch) |     | 1.       |
| 8                           |       | L?DL_DatInRrst                                                                                                                                                                                                         | RrStatus_02           | (P) |          |
| 9                           |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                               |                       |     |          |
| <b>Detailed Comments:</b>   |       | 1. To send an invalid CIPHERING MODE COMMAND missing mandatory ciphering mode setting IE and cipher response IE.                                                                                                       |                       |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                   |     |          |
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| <b>Test Case Name:</b>      |       | TC_26_5_5_1_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                   |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                   |     |          |
| <b>Purpose:</b>             |       | To verify that the MS having an RR-connection established ignores a HANDOVER COMMAND message containing in the non-imperative part an IE encoded as comprehension required except for the fact that it returns a RR-STATUS message with cause # 96 "invalid mandatory information".                                                                                                                                                                                                                        |                                                   |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                   |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | CRef                                              | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                   |     |          |
| 2                           |       | +BasicServiceMT(TSPX_MTBscSvcG,TSPX_MTChRateG,TSPX_MT_ImmConnG)                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                   |     |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                   |     |          |
| 4                           |       | +IdleUpdated(C_CellA, C_ImmMass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                           |                                                   |     |          |
| 5                           | body  | [TSPC_CC = TRUE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                   |     | 1.       |
| 6                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef))                                                                                                                                                                                                                                                                            |                                                   |     |          |
| 7                           |       | +PreEnterIdleState_04(C_ImmMass,TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlTDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                |                                                   |     |          |
| 8                           |       | +PreEnterCCstateU10(TCV_Setup_mt, C_Ass, TSPX_TmSlTDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                 |                                                   |     |          |
| 9                           |       | LIDL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | HndOv_inv_01(TCV_chTch,TSPX_TmSlTDef,TSPX_TscDef) |     | 2.       |
| 10                          |       | L?DL_DatInRrst                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RrStatus_02                                       | (P) |          |
| 11                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                   |     |          |
| 12                          |       | [TSPC_CC = FALSE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                   |     | 3.       |
| 13                          |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                                                                                                                                                                                                                                                                                                        |                                                   |     |          |
| 14                          |       | +PreEnterIdleState_03(C_ImmMass,TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                   |                                                   |     |          |
| 15                          |       | +PreEstRRConn(TCV_slot, TCV_tsc, TimingAdv_01)                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                   |     |          |
| 16                          |       | LIDL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | HndOv_inv_01(TCV_chTch,TSPX_TmSlTDef,TSPX_TscDef) |     | 4.       |
| 17                          |       | L?DL_DatInRrst                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RrStatus_02                                       | (P) |          |
| 18                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                   |     |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. If the MS supports at least one bearer capability, the test case goes through this subtree.</li> <li>2. To send an invalid HANDOVER COMMAND message containing comprehension requires IE on the channel C_FACCHF_A_1.</li> <li>3. The test case goes through this subtree if the MS does not support any bearer capability.</li> <li>4. To send an invalid HANDOVER COMMAND message containing comprehension requires IE on the channel C_SDCCH4_A_1.</li> </ol> |                                                   |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                         |     |          |
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| <b>Test Case Name:</b>      |       | TC_26_5_5_2_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                         |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                         |     |          |
| <b>Purpose:</b>             |       | To verify that an MS supporting at least one BC, having a CC entity in state U10, "active", ignores an MM message with syntactically incorrect IE except for the fact that it sends an MM-STATUS message with reject cause #96. This is tested in the special case of an IDENTITY REQUEST message in which the (mandatory) identity type IE specifies a reserved value for the type of identity; that the MS otherwise ignores the message is checked by means of the status enquiry procedure. |                         |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                         |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CRef                    | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                         |     |          |
| 2                           |       | +BasicServiceMT(TSPX_MTBscSvcH,TSPX_MTChRateH,TSPX_MT_ImmConnH)                                                                                                                                                                                                                                                                                                                                                                                                                                 |                         |     |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                         |     |          |
| 4                           |       | +IdleUpdated(C_CellA, C_ImmMass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                |                         |     |          |
| 5                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef))                                                                                                                                                                                                                                                                 |                         |     |          |
| 6                           |       | +PreEnterIdleState_04(C_ImmMass,TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                     |                         |     |          |
| 7                           |       | +PreEnterCCstateU10(TCV_Setup_mt, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                      |                         |     |          |
| 8                           | body  | LIDL_DatRqldRq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | IDReq_inv_02(TCV_chTch) |     | 1.       |
| 9                           |       | L?DL_DatInMmst                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | MMSt_02                 | (P) |          |
| 10                          |       | +CCstatuschk_01(TCV_chTch, C_U10)                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                         |     | 2.       |
| 11                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |     |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To send an invalid IDENTITY REQUEST message containing the identity type IE = reserved value.</li> <li>2. To check whether the MS is still in the state U10. If not the test case fails in the test step.</li> </ol>                                                                                                                                                                                                                                  |                         |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |     |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_5_5_2_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                |     |          |
| <b>Purpose:</b>             |       | To verify that an MS having been paged and having an RR connection established ignores an MM message with syntactically incorrect IE except for the fact that it sends an MM-STATUS message with reject cause #96. This is tested in the special case of an IDENTITY REQUEST message in which the (mandatory) identity type IE specifies a reserved value for the type of identity; the fact that the MS otherwise ignores the message is checked by testing that it answers as usual to an incoming SETUP message. |                                |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | CRef                           | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |     |          |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                                                                                                                                                                                                                                                                                                                 |                                |     |          |
| 5                           |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                            |                                |     |          |
| 6                           |       | +PreEstRRConn(TCV_slot, TCV_tsc, TimingAdv_01)                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |     |          |
| 7                           | body  | L!DL_DatRqIdRq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | IDReq_inv_02(TCV_ch)           |     | 1.       |
| 8                           |       | L?DL_DatInMmst                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | MMSt_02                        | (P) |          |
| 9                           |       | [TSPC_BC = TRUE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |     | 2.       |
| 10                          |       | +BasicServiceMT(TSPX_MTBscSvca, TSPX_MTChRateA, TSPX_MTImmConnA)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |     |          |
| 11                          |       | +Authentication(TCV_ch, TSPX_CKSNDf)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |     |          |
| 12                          |       | +Cipherring_on(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                |     |          |
| 13                          |       | L!DL_DatRqSetup<br>(TCV_TI.ti_f := '0'B, TCV_TI.ti_v := '000'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SetupSnd(TCV_ch, TCV_Setup_mt) |     |          |
| 14                          |       | L?DL_DatInCallCo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CallCfm_01                     | (P) |          |
| 15                          |       | L!DL_DatRqChRel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ChRel_01(TCV_ch)               |     |          |
| 16                          |       | +WaitMainLinkDown                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                |     |          |
| 17                          |       | [TSPC_BC = FALSE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                |     | 3.       |
| 18                          |       | L!DL_DatRqSetup                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SetupRq_01(TCV_ch)             |     |          |
| 19                          |       | L?DL_DatInRelCmp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | RelCmp_02(TI_01)               | (P) |          |
| 20                          |       | L!DL_DatRqChRel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ChRel_01(TCV_ch)               |     |          |
| 21                          |       | +WaitMainLinkDown                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                |     |          |
| <b>Detailed Comments:</b>   |       | <p>1. To send an invalid IDENTITY REQUEST message in which the identity type IE contains reserved value on the channel C_SDCCH4_A_1.</p> <p>2. This subtree is for the MS which supports at least one bearer capability.</p> <p>3. This subtree is for the MS which does not support any bearer capability.</p>                                                                                                                                                                                                     |                                |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                        |     |                         |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_5_5_2_3                                                                                                                                                                                                                                                                                                                                                                                            |                                                                        |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                                                                                                                                                                                                    |                                                                        |     |                         |
| <b>Purpose:</b>             |       | To verify that the MS on receipt of an MM message containing an IE unknown in the message, but encoded as "comprehension required" ignores the message except for the fact that it returns an MM-STATUS message with cause value #96 "invalid mandatory information"; this in the special case of the MM message being a LOCATION UPDATING ACCEPT responding to a LOCATION UPDATING REQUEST from the MS. |                                                                        |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                          |                                                                        |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                    | CRef                                                                   | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                       |                                                                        |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                     |                                                                        |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                          |                                                                        |     |                         |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                                                                                                                                                                                                      |                                                                        |     |                         |
| 5                           |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                 |                                                                        |     |                         |
| 6                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellB), TCV_sacch_B := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellB))                                                                                                                                                                                                                                                                                    |                                                                        |     |                         |
| 7                           |       | +StartCellB_1(C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                               |                                                                        |     |                         |
| 8                           |       | +CCCH_group_Paging_group(TCV_Ccd0B, TSPX_IMSI)                                                                                                                                                                                                                                                                                                                                                           |                                                                        |     |                         |
| 9                           | body  | +localbody                                                                                                                                                                                                                                                                                                                                                                                               |                                                                        |     |                         |
|                             |       | <b>localbody</b>                                                                                                                                                                                                                                                                                                                                                                                         |                                                                        |     |                         |
| 10                          |       | +LowerRfLevelOfCell(C_CellA)                                                                                                                                                                                                                                                                                                                                                                             |                                                                        |     | 1.                      |
| 11                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                             | ChReq_20(C_RACH_B_1)                                                   |     |                         |
| 12                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                             |                                                                        |     | To match ChReq retrans. |
| 13                          |       | LIDL_UdatRqImmass                                                                                                                                                                                                                                                                                                                                                                                        | ImmAss_06(C_AGCH_B_1, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |     |                         |
| 14                          |       | L?DL_EstInLupRq                                                                                                                                                                                                                                                                                                                                                                                          | LocUp_04(TCV_ch)                                                       |     |                         |
| 15                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                                |                                                                        |     | Restore Normal default  |
| 16                          |       | LIDL_DatRqLupAcp                                                                                                                                                                                                                                                                                                                                                                                         | LocAcp_inv_02(TCV_ch)                                                  |     | 2.                      |
| 17                          |       | L?DL_DatInMmst                                                                                                                                                                                                                                                                                                                                                                                           | MMSt_02                                                                |     |                         |
| 18                          |       | L?DL_RelIn                                                                                                                                                                                                                                                                                                                                                                                               | DLRelInd_01                                                            |     |                         |
| 19                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                             | ChReq_02                                                               |     |                         |
| 20                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                             |                                                                        |     | To match ChReq retrans. |
| 21                          |       | LIDL_UdatRqImmass                                                                                                                                                                                                                                                                                                                                                                                        | ImmAss_06(C_AGCH_B_1, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |     |                         |
| 22                          |       | L?DL_EstInLupRq                                                                                                                                                                                                                                                                                                                                                                                          | LocUp_08(TCV_ch)                                                       |     |                         |
| 23                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                                |                                                                        |     | Restore Normal default  |
| 24                          |       | LIDL_DatRqLupAcp                                                                                                                                                                                                                                                                                                                                                                                         | LocAcp_03(TCV_ch)                                                      |     | 3.                      |
| 25                          |       | L?DL_DatInTmsireCom                                                                                                                                                                                                                                                                                                                                                                                      | TmsiReallocCmp_02(TCV_ch)                                              |     |                         |
| 26                          |       | LIDL_DatRqChRel                                                                                                                                                                                                                                                                                                                                                                                          | ChRel_01(TCV_ch)                                                       | (P) |                         |
| 27                          |       | L?DL_RelIn                                                                                                                                                                                                                                                                                                                                                                                               | DLRelInd_01                                                            |     |                         |
| <b>Detailed Comments:</b>   |       | <p>1. To lower the RF level of cell A until the MS selects cell B.</p> <p>2. To send a LOCATION UPDATING ACCEPT message containing comprehension required IE.</p> <p>3. To send a LOCATION UPDATING ACCEPT message containing location area identification =</p>                                                                                                                                         |                                                                        |     |                         |

cell B and mobile identity = TMSI.

**Test Case Dynamic Behaviour**

**Test Case Name:** TC\_26\_5\_5\_3\_1\_1  
**Group:** GSM\_L3\_MS\_v4160/BiBo/  
**Purpose:** To verify that the MS having an MT call in state U10, "active", on receipt of a DISCONNECT message in which the mandatory cause IE is missing shall return a RELEASE message with cause value #96 "invalid mandatory information".  
**Default:** OtherEventsFail

| Nr                        | Label | Behaviour Description                                                                                                                                                                                                                                | CRef                       | V   | Comments |
|---------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----|----------|
| 1                         |       | START T_guard(300)                                                                                                                                                                                                                                   |                            |     |          |
| 2                         |       | +BasicServiceMT(TSPX_MTBscSvcl,TSPX_MTCh<br>Ratel,TSPX_MT_ImmConnl)                                                                                                                                                                                  |                            |     |          |
| 3                         |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                 |                            |     |          |
| 4                         |       | +IdleUpdated(C_CellA, C_ImmMass, TCV_slot,<br>TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B,<br>'00'O)                                                                                                                                               |                            |     |          |
| 5                         |       | (TCV_ch :=<br>OC_SubchOfSdcch4(TSPX_SDCCH4SubDef,<br>C_CellA), TCV_sacch :=<br>OC_SubchOfSacch4(TSPX_SDCCH4SubDef,<br>C_CellA), TCV_chTch := C_FACCHF_A_1,<br>TCV_sacchTch := C_SACCHF_A_1,<br>TCV_CphKey := OC_CphKeyGen(TSPX_Ki,<br>TSPX_RANDDef)) |                            |     |          |
| 6                         |       | +PreEnterIdleState_04(C_ImmMass,TCV_slo<br>t, TCV_tsc, 5, 1, 0, C_Ass,<br>TSPX_TmSltDef, TSPX_TscDef,<br>TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                |                            |     |          |
| 7                         |       | +PreEnterCCstateU10(TCV_Setup_mt,<br>C_Ass, TSPX_TmSltDef, TSPX_TscDef,<br>TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                     |                            |     |          |
| 8                         | body  | LIDL_DatRqDisc                                                                                                                                                                                                                                       | Disc_inv_02(TCV_ch<br>Tch) |     | 1.       |
| 9                         |       | L?DL_DatInRel                                                                                                                                                                                                                                        | ReleaseInd_01              | (P) |          |
| 10                        |       | LIDL_DatRqRelCmp                                                                                                                                                                                                                                     | RelCmpRq_01(TCV_<br>chTch) |     |          |
| 11                        |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                          |                            |     |          |
| <b>Detailed Comments:</b> |       | 1. To send an invalid DISCONNECT message in which the mandatory cause IE is missing.                                                                                                                                                                 |                            |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                      |                        |     |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_5_5_3_1_2                                                                                                                                                                                                                                                                                                                                                                      |                        |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                                                                                                                                                                                |                        |     |          |
| <b>Purpose:</b>             |       | To verify that the MS having an MT call in state U10, "active", on receipt of a STATUS message in which the mandatory cause IE and call state IE are missing shall ignore the message except for the fact that it return a STATUS message with cause value #96 "invalid mandatory information" (that the MS doesn't change state is checked by use of the status enquiry procedure). |                        |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                      |                        |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                | CRef                   | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                   |                        |     |          |
| 2                           |       | +BasicServiceMT(TSPX_MTBscSvcJ,TSPX_MTChRateJ,TSPX_MT_ImmConnJ)                                                                                                                                                                                                                                                                                                                      |                        |     |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                 |                        |     |          |
| 4                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                      |                        |     |          |
| 5                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef))                                                                                                                                                      |                        |     |          |
| 6                           |       | +PreEnterIdleState_04(C_Immass,TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                          |                        |     |          |
| 7                           |       | +PreEnterCCstateU10(TCV_Setup_mt, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                          |                        |     |          |
| 8                           | body  | LIDL_DatRqCcst                                                                                                                                                                                                                                                                                                                                                                       | CCSt_inv_01(TCV_chTch) |     | 1.       |
| 9                           |       | L?DL_DatInCcst                                                                                                                                                                                                                                                                                                                                                                       | CCSt_04(TI_01)         | (P) |          |
| 10                          |       | +CCstatuschk_01(TCV_chTch, C_U10)                                                                                                                                                                                                                                                                                                                                                    |                        |     |          |
| 11                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                          |                        |     |          |
| <b>Detailed Comments:</b>   |       | 1. To send an invalid STATUS message in which the mandatory cause IE and call state IE are missing.                                                                                                                                                                                                                                                                                  |                        |     |          |



| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                           |                             |     |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_5_5_3_2                                                                                                                                                                                                                                                                                                                             |                             |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                                                                                                                                     |                             |     |          |
| <b>Purpose:</b>             |       | To verify that an MS supporting the call control protocol for at least one BC having a call control entity in state U3 ignores a CONNECT message containing in the non-imperative part an IE encoded as comprehension required except for the fact that it returns a STATUS message with cause value #96 "invalid mandatory information". |                             |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                           |                             |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                     | CRef                        | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                        |                             |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                      |                             |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                           |                             |     |          |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef))                                                                                                                                                                    |                             |     |          |
| 5                           |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                  |                             |     |          |
| 6                           |       | +PreEnterCCstateU3(TimingAdv_01)                                                                                                                                                                                                                                                                                                          |                             |     |          |
| 7                           | body  | L!DL_DatRqConnErr                                                                                                                                                                                                                                                                                                                         | Conn_inv_01(TCV_TI, TCV_ch) |     | 1.       |
| 8                           |       | L?DL_DatInCcst                                                                                                                                                                                                                                                                                                                            | CCSt_04(TCV_TI0)            | (P) | 2.       |
| 9                           |       | +CCstatuschk_03(C_U3, TCV_TI)                                                                                                                                                                                                                                                                                                             |                             |     | 3.       |
| 10                          |       | L!DL_DatRqChRel                                                                                                                                                                                                                                                                                                                           | ChRel_01(TCV_ch)            |     |          |
| 11                          |       | L?DL_Relln                                                                                                                                                                                                                                                                                                                                | DLRelInd_01                 |     |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To send an invalid CONNECT message containing comprehension required IE.</li> <li>2. The expected STATUS message received.</li> <li>3. To check whether the MS is still in the state U3.</li> </ol>                                                                                             |                             |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                               |                                                                         |     |                         |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_5_6_1_1                                                                                                                                                                                                                                                                                                                 |                                                                         |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                                                                                                                         |                                                                         |     |                         |
| <b>Purpose:</b>             |       | To verify that the MS on receipt of an MM message containing an IE unknown in the message and unknown in the MM protocol which is not encoded as "comprehension required" ignores that IE; this in the special case of the MM message being a LOCATION UPDATING ACCEPT responding to a LOCATION UPDATING REQUEST from the MS. |                                                                         |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                               |                                                                         |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                         | CRef                                                                    | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                            |                                                                         |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                          |                                                                         |     |                         |
| 3                           |       | +IdleUpdated(C_CellB, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                               |                                                                         |     |                         |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellB), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB))                                                                                                                                                                                                         |                                                                         |     |                         |
| 5                           |       | +PreEnterIdleState_07(C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                            |                                                                         |     | 1.                      |
| 6                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                                                                                                                           |                                                                         |     |                         |
| 7                           |       | +StartCellA_2(C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                    |                                                                         |     |                         |
| 8                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                                |                                                                         |     |                         |
| 9                           | body  | +LowerRfLevelOfCell(C_CellB)                                                                                                                                                                                                                                                                                                  |                                                                         |     |                         |
| 10                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                  | ChReq_02                                                                |     |                         |
| 11                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                  |                                                                         |     | To match ChReq retrans. |
| 12                          |       | L!DL_UdatRqImm                                                                                                                                                                                                                                                                                                                | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |     |                         |
| 13                          |       | L?DL_EstInLupRq                                                                                                                                                                                                                                                                                                               | LocUp_05                                                                |     | 2.                      |
| 14                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                     |                                                                         |     | Restore Normal default  |
| 15                          |       | L!DL_DatRqLupAcpErr                                                                                                                                                                                                                                                                                                           | LocAcp_inv_04(TCV_ch)                                                   |     | 3.                      |
| 16                          |       | L?DL_DatInTmsireCom                                                                                                                                                                                                                                                                                                           | TmsiReallocCmp_02(TCV_ch)                                               | (P) |                         |
| 17                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                      |                                                                         |     |                         |
| <b>Detailed Comments:</b>   |       | 1. The MS listen to cell B.<br>2. The mobile identity is TMSI of the MS.<br>3. To send an invalid LOCATION UPDATING ACCEPT message containing unknown IEI and new TMSI.                                                                                                                                                       |                                                                         |     |                         |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                               |                                                                         |     |                         |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_5_6_1_2                                                                                                                                                                                                                                                                                                                 |                                                                         |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                                                                                                                         |                                                                         |     |                         |
| <b>Purpose:</b>             |       | To verify that the MS on receipt of an MM message containing an IE unknown in the message, but known in the MM protocol, which is not encoded as "comprehension required" ignores that IE; this in the special case of the MM message being a LOCATION UPDATING ACCEPT responding to a LOCATION UPDATING REQUEST from the MS. |                                                                         |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                               |                                                                         |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                         | CRef                                                                    | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                            |                                                                         |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                          |                                                                         |     |                         |
| 3                           |       | +IdleUpdated(C_CellB, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                               |                                                                         |     |                         |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellB), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB))                                                                                                                                                                                                         |                                                                         |     |                         |
| 5                           |       | +PreEnterIdleState_07(C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                            |                                                                         | 1.  |                         |
| 6                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                                                                                                                           |                                                                         |     |                         |
| 7                           |       | +StartCellA_2(C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                    |                                                                         |     |                         |
| 8                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                                |                                                                         |     |                         |
| 9                           | body  | +LowerRfLevelOfCell(C_CellB)                                                                                                                                                                                                                                                                                                  |                                                                         |     |                         |
| 10                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                  | ChReq_02                                                                |     |                         |
| 11                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                  |                                                                         |     | To match ChReq retrans. |
| 12                          |       | L!DL_UdatRqImmass                                                                                                                                                                                                                                                                                                             | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |     |                         |
| 13                          |       | L?DL_EstInLupRq                                                                                                                                                                                                                                                                                                               | LocUp_05                                                                |     |                         |
| 14                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                     |                                                                         |     | Restore Normal default  |
| 15                          |       | L!DL_DatRqLupAcpErr                                                                                                                                                                                                                                                                                                           | LocAcp_inv_03(TCV_ch)                                                   |     | 2.                      |
| 16                          |       | L?DL_DatInTmsireCom                                                                                                                                                                                                                                                                                                           | TmsiReallocCmp_02(TCV_ch)                                               | (P) |                         |
| 17                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                      |                                                                         |     |                         |
| <b>Detailed Comments:</b>   |       | 1. The MS listen to cell B.<br>2. To send a LOCATION UPDATING ACCEPT message containing unknown IE.                                                                                                                                                                                                                           |                                                                         |     |                         |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                 |                                 |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_5_6_2_1                                                                                                                                                                                                                                                                                                   |                                 |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                                                                                                           |                                 |   |          |
| <b>Purpose:</b>             |       | To verify that an MS supporting the CC protocol for at least one BC receiving a CC message containing an IE unknown in the message which is not encoded as "comprehension required" ignores that IE; this in the special case of the CC message being a CALL PROCEEDING message received by the MS in state U1. |                                 |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                 |                                 |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                           | CRef                            | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                              |                                 |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                            |                                 |   |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                 |                                 |   |          |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef))                                                                                                                                          |                                 |   |          |
| 5                           |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                        |                                 |   |          |
| 6                           |       | +PreEnterCCstateU1(TimingAdv_01)                                                                                                                                                                                                                                                                                |                                 |   |          |
| 7                           | body  | L!DL_DatRqCallProc                                                                                                                                                                                                                                                                                              | CallProc_inv_02(TCV_TI, TCV_ch) |   | 1.       |
| 8                           |       | +CCstatuschk_03(C_U3, TCV_TI)                                                                                                                                                                                                                                                                                   |                                 |   | 2.       |
| 9                           |       | L!DL_DatRqChRel                                                                                                                                                                                                                                                                                                 | ChRel_01(TCV_ch)                |   |          |
| 10                          |       | L?DL_Relln                                                                                                                                                                                                                                                                                                      | DLRelInd_01                     |   |          |
| <b>Detailed Comments:</b>   |       | 1. To send an invalid CALL PROCEEDING message containing optional unknown IE.<br>2. To check whether the MS enters the state U3, the verdict is assigned in the test step.                                                                                                                                      |                                 |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                        |                        |     |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_5_6_2_2                                                                                                                                                                                                                                                                          |                        |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                                                                                  |                        |     |          |
| <b>Purpose:</b>             |       | To verify that an MS supporting the CC protocol for at least one BC receiving a CC message containing an IE unknown in the message which is not encoded as "comprehension required" ignores that IE; this in the special case of a DISCONNECT message received by the MS in state U10. |                        |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                        |                        |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                  | CRef                   | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                     |                        |     |          |
| 2                           |       | +BasicServiceMT(TSPX_MTBscSvcJ,TSPX_MTChRateJ,TSPX_MT_ImmConnJ)                                                                                                                                                                                                                        |                        |     |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                   |                        |     |          |
| 4                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                        |                        |     |          |
| 5                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef))                                                        |                        |     |          |
| 6                           |       | +PreEnterIdleState_04(C_Immass,TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                             |                        |     |          |
| 7                           |       | +PreEnterCCstateU10(TCV_Setup_mt, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                             |                        |     | 1.       |
| 8                           | body  | L!DL_DatRqDiscErr                                                                                                                                                                                                                                                                      | Disc_inv_03(TCV_chTch) |     | 2.       |
| 9                           |       | L?DL_DatInRel                                                                                                                                                                                                                                                                          | ReleaseInd_03(TI_01)   | (P) |          |
| 10                          |       | +CCstatuschk_01(TCV_chTch, C_U19)                                                                                                                                                                                                                                                      |                        |     |          |
| 11                          |       | L!DL_DatRqChRel                                                                                                                                                                                                                                                                        | ChRel_01(TCV_chTch)    |     |          |
| 12                          |       | L?DL_Relln                                                                                                                                                                                                                                                                             | DLRelInd_01            |     |          |
| <b>Detailed Comments:</b>   |       | 1. To enter CC state U10.<br>2. To send an invalid DISCONNECT message containing optional unknown IE.                                                                                                                                                                                  |                        |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                     |                                       |     |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_5_6_2_3                                                                                                                                                                                                                                                                                                       |                                       |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                                                                                                               |                                       |     |          |
| <b>Purpose:</b>             |       | To verify that an MS supporting the CC protocol for at least one BC receiving a CC message containing an IE unknown in the message which is not encoded as "comprehension required" ignores that IE; this in the special case of a RELEASE message received by the MS having sent in state U10 a DISCONNECT message |                                       |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                     |                                       |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                               | CRef                                  | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                  |                                       |     |          |
| 2                           |       | +BasicServiceMT(TSPX_MTBscSvcA,TSPX_MTChRateA,TSPX_MT_ImmConnA)                                                                                                                                                                                                                                                     |                                       |     |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                |                                       |     |          |
| 4                           |       | +IdleUpdated(C_CellA, C_ImmAss, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                     |                                       |     |          |
| 5                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef))                                                                                     |                                       |     |          |
| 6                           |       | +PreEnterIdleState_04(C_ImmAss,TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                          |                                       |     |          |
| 7                           |       | +PreEnterCCstateU10(TCV_Setup_mt, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                          |                                       |     | 1.       |
| 8                           | body  | +TermCall                                                                                                                                                                                                                                                                                                           |                                       |     |          |
| 9                           |       | L?DL_DatInDisc                                                                                                                                                                                                                                                                                                      | DiscRcv(TCV_chTch, Disconn_05(TI_01)) |     |          |
| 10                          |       | L!DL_DatRqRel                                                                                                                                                                                                                                                                                                       | RelRq_inv_01(TI_02, TCV_chTch)        |     | 2.       |
| 11                          |       | L?DL_DatInRelCmp                                                                                                                                                                                                                                                                                                    | RelCmp_02(TI_01)                      | (P) |          |
| 12                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                         |                                       |     |          |
| <b>Detailed Comments:</b>   |       | 1. To enter CC state U10.                                                                                                                                                                                                                                                                                           |                                       |     |          |
|                             |       | 2. To send an invalid RELEASE REQUEST message containing unknown optional IE.                                                                                                                                                                                                                                       |                                       |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                              |                                        |     |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_5_6_2_4                                                                                                                                                                                                                                                                                |                                        |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                                                                                        |                                        |     |          |
| <b>Purpose:</b>             |       | To verify that an MS supporting the CC protocol for at least one BC receiving a CC message containing an IE unknown in the message which is not encoded as "comprehension required" ignores that IE; this in the special case of a RELEASE COMPLETE message received by the MS in state U19. |                                        |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                              |                                        |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                        | CRef                                   | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                           |                                        |     |          |
| 2                           |       | +BasicServiceMT(TSPX_MTBscSvcB,TSPX_MTChRateB,TSPX_MT_ImmConnB)                                                                                                                                                                                                                              |                                        |     |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                         |                                        |     |          |
| 4                           |       | +IdleUpdated(C_CellA, C_ImmMass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                             |                                        |     |          |
| 5                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef))                                                              |                                        |     |          |
| 6                           |       | +PreEnterIdleState_04(C_ImmMass,TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                  |                                        |     |          |
| 7                           |       | +PreEnterCCstateU10(TCV_Setup_mt, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                   |                                        |     |          |
| 8                           | body  | LIDL_DatRqDisc                                                                                                                                                                                                                                                                               | DiscSnd(TCV_chTch, Disconn_07(TCV_TI)) |     |          |
| 9                           |       | L?DL_DatInRel                                                                                                                                                                                                                                                                                | ReleaseInd_02                          |     |          |
| 10                          |       | LIDL_DatRqRelCmp                                                                                                                                                                                                                                                                             | RelCmpRq_inv_02(TCV_chTch)             |     | 1.       |
| 11                          |       | L?DL_RelIn                                                                                                                                                                                                                                                                                   | DLRelInd_01                            | (P) |          |
| <b>Detailed Comments:</b>   |       | 1. To send an invalid RELEASE COMPLETE message containing unknown optional IE.                                                                                                                                                                                                               |                                        |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                    |                         |     |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_5_6_3                                                                                                                                                                                                                                                        |                         |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                                                              |                         |     |          |
| <b>Purpose:</b>             |       | To verify that the MS ignores an IE which is unknown in a message for Radio Resource Management in the special cases of CIPHERING MODE COMMAND, ASSIGNMENT COMMAND and CHANNEL RELEASE.                                                                            |                         |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                    |                         |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                              | CRef                    | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                 |                         |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                               |                         |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                    |                         |     |          |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen( TSPX_Ki, TSPX_RANDDef))                                   |                         |     |          |
| 5                           |       | +PreEnterIdleState_03(C_Immass,TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                            |                         |     |          |
| 6                           |       | +FullRateCh_A_1_2(C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                        |                         |     |          |
| 7                           |       | (TCV_Null := OM_CphMd( TCV_chTch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                          |                         |     |          |
| 8                           |       | +PreEstRRConn(TCV_slot, TCV_tsc, TimingAdv_01)                                                                                                                                                                                                                     |                         |     |          |
| 9                           |       | (TCV_Null := OM_CphMdChg(TCV_ch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                           |                         |     |          |
| 10                          | body  | L!DL_DatRqCphmCmdErr                                                                                                                                                                                                                                               | CphCmd_inv_03(TCV_ch)   |     | 1.       |
| 11                          |       | L?DL_DatInCphmCom                                                                                                                                                                                                                                                  | CphCmp_01               | (P) |          |
| 12                          |       | (TCV_AssCmd := AsgnCmd_inv_02('011'B, TSPX_TscDef))                                                                                                                                                                                                                |                         |     |          |
| 13                          |       | +Adjust_gsmanddcs_powerlvl(7,7,TCV_AssCmd)                                                                                                                                                                                                                         |                         |     |          |
| 14                          |       | +AssCh_complete(TCV_ch, TCV_chTch,TCV_AssCmd)                                                                                                                                                                                                                      |                         |     |          |
| 15                          |       | L!DL_DatRqChRelErr                                                                                                                                                                                                                                                 | ChRel_inv_03(TCV_chTch) |     | 3.       |
| 16                          |       | L?DL_Relln                                                                                                                                                                                                                                                         | DLRelInd_01             | P   |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To send a CIPHERING MODE COMMAND message containing unknown IE.</li> <li>2. To send an ASSIGNMENT COMMAND message containing unknown IE.</li> <li>3. To send a CHANNEL RELEASE message containing unknown IE.</li> </ol> |                         |     |          |



| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                      |                                            |     |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_5_7_1_1                                                                                                                                                                                                                                                                                                        |                                            |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                                                                                                                |                                            |     |          |
| <b>Purpose:</b>             |       | To verify that the MS ignores the value of spare bits in the special case of the spare bits occurring in the P1 Rest Octets IE of a PAGING REQUEST TYPE 1 message. That the spare bits are ignored is checked by addressing the MS in that PAGING REQUEST message and verifying that the MS responds to that paging. |                                            |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                      |                                            |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                | CRef                                       | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                   |                                            |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                 |                                            |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                      |                                            |     |          |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                                                                                                                  |                                            |     |          |
| 5                           |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                             |                                            |     |          |
| 6                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                       |                                            |     |          |
| 7                           | body  | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                     | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_inv_04) |     | 1.       |
| 8                           |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                                                                                                                                                                      | ChReq_01                                   | (P) |          |
| 9                           |       | L!DL_UdatRqImmassRej                                                                                                                                                                                                                                                                                                 | ImmAssRej_01(TCV_agch, TCV_Rr, TCV_Fn)     |     |          |
| <b>Detailed Comments:</b>   |       | 1. To send a PAGING REQUEST TYPE1 message containing rest octets which are not all '2B'O.                                                                                                                                                                                                                            |                                            |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                             |                                        |     |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_5_7_1_2                                                                                                                                                                                                                                                                                                                                                                                                               |                                        |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |     |          |
| <b>Purpose:</b>             |       | To verify that the MS in the MM-state "idle, updated" and in RR-idle mode ignores the value of spare bits in the special case where these spare bits are contained in SI3 rest octets IE and SI4 rest octets IE. That the MS ignores the value of the spare bits is checked by changing the LAI in those message and observing the MS initiating a location update though the spare bits do not all have the default value. |                                        |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                             |                                        |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                       | CRef                                   | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                          |                                        |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                        |                                        |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                             |                                        |     |          |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                                                                                                                                                                                                                         |                                        |     |          |
| 5                           |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                    |                                        |     |          |
| 6                           |       | +modifysysinfo                                                                                                                                                                                                                                                                                                                                                                                                              |                                        |     |          |
| 7                           | body  | START T_dly(30000)                                                                                                                                                                                                                                                                                                                                                                                                          |                                        |     |          |
| 8                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)<br>CANCEL T_dly                                                                                                                                                                                                                                                                                                                                | ChReq_09                               | (P) |          |
| 9                           |       | LIDL_UdatRqImmassRej                                                                                                                                                                                                                                                                                                                                                                                                        | ImmAssRej_01(TCV_agch, TCV_Rr, TCV_Fn) |     |          |
| 10                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                              |                                        | F   |          |
|                             |       | <b>modifysysinfo</b>                                                                                                                                                                                                                                                                                                                                                                                                        |                                        |     |          |
| 11                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                                                                                    |                                        |     |          |
| 12                          |       | LIDL_UdatRqSysinfo3                                                                                                                                                                                                                                                                                                                                                                                                         | SysInfo3_inv_01                        |     | 1.       |
| 13                          |       | LIDL_UdatRqSysinfo4                                                                                                                                                                                                                                                                                                                                                                                                         | SysInfo4_inv_01                        |     |          |
| 14                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |     |          |
| 15                          |       | LIDL_UdatRqSysinfo3<br>(DL_UdatRqSysinfo3.msg.csp := CellSelPara_04)                                                                                                                                                                                                                                                                                                                                                        | SysInfo3_inv_01                        |     | 1.       |
| 16                          |       | LIDL_UdatRqSysinfo4<br>(DL_UdatRqSysinfo4.msg.csp := CellSelPara_04)                                                                                                                                                                                                                                                                                                                                                        | SysInfo4_inv_01                        |     |          |
| <b>Detailed Comments:</b>   |       | 1. To send modified SYSTEM INFORMATION TYPE 3 and TYPE 4.                                                                                                                                                                                                                                                                                                                                                                   |                                        |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                |                                                                          |     |                         |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_5_7_1_3                                                                                                                                                                                                                                                                                                  |                                                                          |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                                                                                                          |                                                                          |     |                         |
| <b>Purpose:</b>             |       | To verify that the MS in the MM-state "idle, updated" and in RR-idle mode ignores the value of spare bits in the special case of the spare bits occurring in the Page Mode IE, the Spare Half Octet IE, the Channel Description IE, the Timing Advance IE, the IA Rest Octet IE, and in the IAR Rest Octet IE. |                                                                          |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                |                                                                          |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                          | CRef                                                                     | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                             |                                                                          |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                           |                                                                          |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immss, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                 |                                                                          |     |                         |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                                                                                                            |                                                                          |     |                         |
| 5                           |       | +PreEnterIdleState_03(C_Immss, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                        |                                                                          |     |                         |
| 6                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                 |                                                                          |     |                         |
| 7                           | body  | +localtree1                                                                                                                                                                                                                                                                                                    |                                                                          |     |                         |
|                             |       | <b>localtree1</b>                                                                                                                                                                                                                                                                                              |                                                                          |     |                         |
| 8                           |       | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                               | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                                   |     |                         |
| 9                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                   | ChReq_01                                                                 |     |                         |
| 10                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                   |                                                                          |     | To match ChReq retrans. |
| 11                          |       | L! DL_UdatRqImmss                                                                                                                                                                                                                                                                                              | ImmAss_inv_04(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_02) |     | 1.                      |
| 12                          |       | L?DL_EstInPgRes                                                                                                                                                                                                                                                                                                | PgRes_01                                                                 | (P) |                         |
| 13                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                      |                                                                          |     | Restore Normal default  |
| 14                          |       | L!DL_DatRqChRel                                                                                                                                                                                                                                                                                                | ChRel_01(TCV_ch)                                                         |     |                         |
| 15                          |       | L?DL_RelIn                                                                                                                                                                                                                                                                                                     | DLRelInd_01                                                              | (P) |                         |
| 16                          |       | START T_dly(10000)                                                                                                                                                                                                                                                                                             |                                                                          |     |                         |
| 17                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                 |                                                                          |     |                         |
| 18                          |       | +localtree2                                                                                                                                                                                                                                                                                                    |                                                                          |     |                         |
|                             |       | <b>localtree2</b>                                                                                                                                                                                                                                                                                              |                                                                          |     |                         |
| 19                          |       | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                               | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                                   |     |                         |
| 20                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                   | ChReq_01                                                                 |     |                         |
| 21                          |       | L!DL_UdatRqImmssRej                                                                                                                                                                                                                                                                                            | ImmAssRej_inv_02(TCV_agch, TCV_Rr, TCV_Fn)                               |     | 2.                      |
| 22                          |       | START T_dly(6000)                                                                                                                                                                                                                                                                                              |                                                                          |     |                         |
| 23                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                 |                                                                          |     |                         |
| 24                          |       | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                               | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                                   |     |                         |
| 25                          |       | L?DL_RaInChRq                                                                                                                                                                                                                                                                                                  | ChReq_01                                                                 | P   |                         |
| <b>Detailed Comments:</b>   |       | 1. To send an invalid IMMEDIATE ASSIGNMENT message containing arbitrary spare bits.<br>2. To send an invalid IMMEDIATE ASSIGNMENT REJECT message containing arbitrary spare bits.                                                                                                                              |                                                                          |     |                         |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                               |                              |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_5_7_1_4                                                                                                                                                                                                                                                                                                                                 |                              |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                                                                                                                                         |                              |   |          |
| <b>Purpose:</b>             |       | To verify that the MS in the MM-state "MM-Connection active" and in RR-Connected mode ignores the value of spare bits in the special case of the spare bits occurring in the Cell Channel Description IE and in the Power Command IE.                                                                                                         |                              |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                               |                              |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                         | CRef                         | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                            |                              |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                          |                              |   |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                               |                              |   |          |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef))                                                                                                               |                              |   |          |
| 5                           |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                      |                              |   |          |
| 6                           |       | +FullRateCh_A_1_1(C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                   |                              |   | 1.       |
| 7                           |       | (TCV_Null := OM_CphMd(TCV_chTch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                                                                                                      |                              |   |          |
| 8                           |       | +PreEstRRConn(TCV_slot, TCV_tsc, TimingAdv_01)                                                                                                                                                                                                                                                                                                |                              |   |          |
| 9                           |       | (TCV_Null := OM_CphMdChg(TCV_ch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                                                                                                      |                              |   |          |
| 10                          | body  | LIDL_DatRqCphmCmd                                                                                                                                                                                                                                                                                                                             | CphCmd_01(TCV_ch)            |   |          |
| 11                          |       | L?DL_DatInCphmCom                                                                                                                                                                                                                                                                                                                             | CphCmp_01                    |   |          |
| 12                          |       | LIDL_DatRqSetup                                                                                                                                                                                                                                                                                                                               | SetupRq_05(TCV_ch, Setup_04) |   | 2.       |
| 13                          |       | L?DL_DatInCallCo                                                                                                                                                                                                                                                                                                                              | CallCfm_01                   |   |          |
| 14                          |       | L?DL_DatInAlert                                                                                                                                                                                                                                                                                                                               | AlertRcv_01                  |   |          |
| 15                          |       | (TCV_Null := OO_HookOff())                                                                                                                                                                                                                                                                                                                    |                              |   |          |
| 16                          |       | +localtree1                                                                                                                                                                                                                                                                                                                                   |                              |   |          |
| 17                          |       | L?DL_DatInConn                                                                                                                                                                                                                                                                                                                                | ConnRcv_01                   |   |          |
| 18                          |       | +localtree1                                                                                                                                                                                                                                                                                                                                   |                              |   |          |
|                             |       | <b>localtree1</b>                                                                                                                                                                                                                                                                                                                             |                              |   |          |
| 19                          |       | +assign                                                                                                                                                                                                                                                                                                                                       |                              |   | 3.       |
| 20                          |       | +AssCh_complete(TCV_ch, TCV_chTch, TCV_AssCmd)                                                                                                                                                                                                                                                                                                |                              |   |          |
| 21                          |       | LIDL_DatRqChRel                                                                                                                                                                                                                                                                                                                               | ChRel_01(TCV_chTch)          |   | 4.       |
| 22                          |       | +WaitMainLinkDown                                                                                                                                                                                                                                                                                                                             |                              |   |          |
|                             |       | <b>assign</b>                                                                                                                                                                                                                                                                                                                                 |                              |   |          |
| 23                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                      |                              |   |          |
| 24                          |       | (TCV_AssCmd := AsgnCmd_sdcch4(TSPX_SDCCH4SubB, TCV_slot, TCV_tsc, CphMod_04iei(TSPX_CphAlgE)))                                                                                                                                                                                                                                                |                              |   |          |
| 25                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                    |                              |   |          |
| 26                          |       | (TCV_AssCmd := AsgnCmd_dsdccch4(TSPX_SDCCH4SubB, TCV_slot, TCV_tsc, CphMod_04iei(TSPX_CphAlgE)))                                                                                                                                                                                                                                              |                              |   |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To setup a physical channel as hopping traffic channel.</li> <li>2. To send SETUP message indicating full rate channel and containing signal IE.</li> <li>3. To send a modified ASSIGNMENT COMMAND containing randomly chosen spare bits.</li> <li>4. The assignment procedure succeeds.</li> </ol> |                              |   |          |

| Test Case Dynamic Behaviour                                                                                                                                                                                                                |       |                                                                                                                     |                        |     |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------|------------------------|-----|----------|
| <b>Test Case Name:</b> TC_26_5_7_2                                                                                                                                                                                                         |       |                                                                                                                     |                        |     |          |
| <b>Group:</b> GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                        |       |                                                                                                                     |                        |     |          |
| <b>Purpose:</b> To verify that the MS in the MM-state "wait net cmd" and in RR-Connected mode ignores the value of spare bits in the special case of the spare bits occurring in the Cipher Key Seq. Number IE or in the Identity Type IE. |       |                                                                                                                     |                        |     |          |
| <b>Default:</b> OtherEventsFail                                                                                                                                                                                                            |       |                                                                                                                     |                        |     |          |
| Nr                                                                                                                                                                                                                                         | Label | Behaviour Description                                                                                               | CRef                   | V   | Comments |
| 1                                                                                                                                                                                                                                          |       | START T_guard(300)                                                                                                  |                        |     |          |
| 2                                                                                                                                                                                                                                          |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                |                        |     |          |
| 3                                                                                                                                                                                                                                          |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                     |                        |     |          |
| 4                                                                                                                                                                                                                                          |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA)) |                        |     |          |
| 5                                                                                                                                                                                                                                          |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)            |                        |     |          |
| 6                                                                                                                                                                                                                                          |       | +PreEstRRConn(TCV_slot, TCV_tsc, TimingAdv_01)                                                                      |                        |     |          |
| 7                                                                                                                                                                                                                                          | body  | L!DL_DatRqAuthRq                                                                                                    | AuthReq_inv_01(TCV_ch) |     | 1.       |
| 8                                                                                                                                                                                                                                          |       | L?DL_DatInAuthRes                                                                                                   | AuthRes_01             | (P) |          |
| 9                                                                                                                                                                                                                                          |       | LIDL_DatRqIdRq                                                                                                      | IDReq_inv_03(TCV_ch)   |     | 2.       |
| 10                                                                                                                                                                                                                                         |       | L?DL_DatInIdRes                                                                                                     | IDRes_02               | (P) |          |
| 11                                                                                                                                                                                                                                         |       | L!DL_DatRqChRel                                                                                                     | ChRel_01(TCV_ch)       |     |          |
| 12                                                                                                                                                                                                                                         |       | +WaitMainLinkDown                                                                                                   |                        |     |          |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                  |       |                                                                                                                     |                        |     |          |
| 1. To send a modified AUTHENTICATION REQUEST message containing arbitrary spare bits.                                                                                                                                                      |       |                                                                                                                     |                        |     |          |
| 2. To send a modified IDENTITY REQUEST message containing arbitrary spare bits.                                                                                                                                                            |       |                                                                                                                     |                        |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                          |                            |     |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_5_7_3                                                                                                                                                                                                                                                                                              |                            |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/BiBo/                                                                                                                                                                                                                                                                                    |                            |     |          |
| <b>Purpose:</b>             |       | To verify that the MS in the MM-state "connection established" and in RR-Connected mode ignores the value of spare bits in the special case of the spare bits occurring in the Calling party BCD Number IE, Calling Party Subaddress IE, Called Party Subaddress IE, Cause IE and Progress Indicator IE. |                            |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                          |                            |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                    | CRef                       | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                       |                            |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                     |                            |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                          |                            |     |          |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef))                                                                          |                            |     |          |
| 5                           |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                             |                            |     |          |
| 6                           |       | +PreEstRRConn(TCV_slot, TCV_tsc, TimingAdv_01)                                                                                                                                                                                                                                                           |                            |     |          |
| 7                           | body  | L!DL_DatRqAuthRq                                                                                                                                                                                                                                                                                         | AuthReq_01(TCV_ch)         |     |          |
| 8                           |       | L?DL_DatInAuthRes                                                                                                                                                                                                                                                                                        | AuthRes_01                 |     |          |
| 9                           |       | (TCV_Null := OM_CphMdChg(TCV_ch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                                                                 |                            |     |          |
| 10                          |       | L!DL_DatRqCphmCmd                                                                                                                                                                                                                                                                                        | CphCmd_01(TCV_ch)          |     |          |
| 11                          |       | L?DL_DatInCphmCom                                                                                                                                                                                                                                                                                        | CphCmp_01                  |     |          |
| 12                          |       | +localtree                                                                                                                                                                                                                                                                                               |                            |     |          |
|                             |       | <b>localtree</b>                                                                                                                                                                                                                                                                                         |                            |     |          |
| 13                          |       | L!DL_DatRqSetup                                                                                                                                                                                                                                                                                          | SetupRq_inv_02(TCV_ch)     |     | 1.       |
| 14                          |       | L?DL_DatInCallCo                                                                                                                                                                                                                                                                                         | CallCfm_01                 | (P) |          |
| 15                          |       | L?DL_DatInAlert                                                                                                                                                                                                                                                                                          | AlertRcv_01                |     |          |
| 16                          |       | L?DL_DatInConn                                                                                                                                                                                                                                                                                           | ConnRcv_01                 |     |          |
| 17                          |       | +localtree1                                                                                                                                                                                                                                                                                              |                            |     |          |
| 18                          |       | L?DL_DatInConn                                                                                                                                                                                                                                                                                           | ConnRcv_01                 |     |          |
| 19                          |       | +localtree1                                                                                                                                                                                                                                                                                              |                            |     |          |
|                             |       | <b>localtree1</b>                                                                                                                                                                                                                                                                                        |                            |     |          |
| 20                          |       | +ltree_Asgn                                                                                                                                                                                                                                                                                              |                            |     |          |
| 21                          |       | +AssCh_complete(TCV_ch, TCV_chTch, TCV_AssCmd)                                                                                                                                                                                                                                                           |                            |     |          |
| 22                          |       | L!DL_DatRqConnAck                                                                                                                                                                                                                                                                                        | ConnAck_01(TCV_chTch)      |     |          |
| 23                          |       | L!DL_DatRqDisc                                                                                                                                                                                                                                                                                           | Disc_inv_04(TCV_chTch)     |     |          |
| 24                          |       | +CCstatuschk_01(TCV_chTch, C_U12)                                                                                                                                                                                                                                                                        |                            |     | 2.       |
| 25                          |       | L!DL_DatRqRel                                                                                                                                                                                                                                                                                            | RelRq_02(TI_02, TCV_chTch) |     |          |
| 26                          |       | L?DL_DatInRelCmp                                                                                                                                                                                                                                                                                         | RelCmp_02(TI_01)           |     |          |
| 27                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                              |                            |     |          |
|                             |       | <b>ltree_Asgn</b>                                                                                                                                                                                                                                                                                        |                            |     |          |
| 28                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                 |                            |     | 1.       |
| 29                          |       | (TCV_AssCmd := AsgnCmd_tchf(TCV_slot, TCV_tsc))                                                                                                                                                                                                                                                          |                            |     |          |
| 30                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                               |                            |     | 2.       |
| 31                          |       | (TCV_AssCmd := AsgnCmd_dtchf(TCV_slot, TCV_tsc))                                                                                                                                                                                                                                                         |                            |     |          |
| <b>Detailed Comments:</b>   |       | 1. To send a SETUP message containing arbitrary spare bits.                                                                                                                                                                                                                                              |                            |     |          |

2. To check whether the MS enters the state U12, if no the test case fails in the test step.

## Test Group RR

| Test Case Dynamic Behaviour |       |                                                                                                                                                          |                                        |   |                         |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_6_1_1                                                                                                                                              |                                        |   |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                      |                                        |   |                         |
| <b>Purpose:</b>             |       | To verify that the MS can correctly set up a dedicated SDCCH control channel and that the MS can correctly set up a dedicated TCH/FACCH control channel. |                                        |   |                         |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                       |                                        |   |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                    | CRef                                   | V | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                       |                                        |   |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                     |                                        |   |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                          |                                        |   |                         |
| 4                           |       | +PreEnterIdleState_r01(C_Immass, TSPX_TmSltDef, TSPX_TscDef, 5,1,0, TimingAdv_r01,'000'B, '000'B, '011'B, '00'O)                                         |                                        |   | 1.                      |
| 5                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                           |                                        |   |                         |
| 6                           | body  | +testSdcch8                                                                                                                                              |                                        |   |                         |
| 7                           |       | [TSPC_FullRateOnly = TRUE]                                                                                                                               |                                        |   |                         |
| 8                           |       | +testTchf                                                                                                                                                |                                        |   |                         |
| 9                           |       | [TSPC_DualRate = TRUE]                                                                                                                                   |                                        |   |                         |
| 10                          |       | +testTchh                                                                                                                                                |                                        |   |                         |
| 11                          |       | +testTchf                                                                                                                                                |                                        |   |                         |
|                             |       | <b>testSdcch8</b>                                                                                                                                        |                                        |   |                         |
| 12                          |       | (TCV_ch := OC_SubchOfSdcch8(TSPX_SDCCH8SubA, C_CellA, 1), TCV_sacch8 := OC_SubchOfSacch8(TSPX_SDCCH8SubA, C_CellA, 1))                                   |                                        |   |                         |
| 13                          |       | +SDCCH8_A_def(C_Immass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_r01, '000'B, '000'B, '011'B)                                                               |                                        |   | 2.                      |
| 14                          |       | +channelass(ChDescrp_r01def(TSPX_TmSltDef, TSPX_TscDef),TCV_ch)                                                                                          |                                        |   | 3.                      |
| 15                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                 |                                        |   |                         |
|                             |       | <b>testTchf</b>                                                                                                                                          |                                        |   |                         |
| 16                          |       | (TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1)                                                                                                |                                        |   |                         |
| 17                          |       | +FullRateCh_A_im_def(C_Immass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_r01, '000'B, '000'B, '011'B)                                                        |                                        |   | 4.                      |
| 18                          |       | +channelass(ChDescrp_r02(TSPX_TmSltDef, TSPX_TscDef), TCV_chTch)                                                                                         |                                        |   | 5.                      |
| 19                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                              |                                        |   |                         |
|                             |       | <b>testTchh</b>                                                                                                                                          |                                        |   |                         |
| 20                          |       | (TCV_chTch := OC_SubchOfFacchh(TSPX_TCHHSubA, C_CellA, 1), TCV_sacchTch := OC_SubchOfSacchh(TSPX_TCHHSubA, C_CellA, 1))                                  |                                        |   |                         |
| 21                          |       | +HalfRateCh_A_im_def(C_Immass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_r01, '000'B, '000'B, '011'B)                                                        |                                        |   | 6.                      |
| 22                          |       | +channelass(ChDescrp_r03(TSPX_TCHHSubA, TSPX_TmSltDef, TSPX_TscDef), TCV_chTch)                                                                          |                                        |   | 7.                      |
| 23                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                              |                                        |   |                         |
|                             |       | <b>channelass(chd:CHD; ch: LOGICCH)</b>                                                                                                                  |                                        |   |                         |
| 24                          |       | L!DL_UdatRqPg1Rq                                                                                                                                         | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01) |   |                         |
| 25                          |       | L?DL_RaclnChRq (TCV_Rr := DL_RaclnChRq.msg.ecau_rrf, TCV_Fn := DL_RaclnChRq.fn)                                                                          | ChReq_01                               |   |                         |
| 26                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                             |                                        |   | To match ChReq retrans. |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                           |                                                                                 |     |                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------------------------|-----|------------------------|
| 27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | L!DL_UdatRqImm            | ImmAss_r(TCV_agch,<br>chd, TCV_Rr,<br>TCV_Fn,<br>TimingAdv_r01)<br>PgRes_02(ch) | (P) |                        |
| 28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | L?DL_EstInPgRes           |                                                                                 |     |                        |
| 29                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ACTIVATE(OtherEventsFail) |                                                                                 |     | Restore Normal default |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                           |                                                                                 |     |                        |
| <ol style="list-style-type: none"> <li>1. To setup a physical channel as non-combined ccch/sdcch, 5 slots for Tx-int, 1 retransmission</li> <li>2. To setup a physical channel as SDCCH8.</li> <li>3. To assign a SDCCH8 channel.</li> <li>4. To setup a physical channel as full rate traffic channel.</li> <li>5. To assign a full rate channel channel.</li> <li>6. To setup a physical channel as half rate traffic channel.</li> <li>7. To assign a half rate channel.</li> </ol> |                           |                                                                                 |     |                        |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        |     |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_6_1_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                        |     |          |
| <b>Purpose:</b>             |       | To verify that the MS goes to the allocated SDCCH/4 and sends a PAGING RESPONSE message containing its identity and its classmark. To verify that the MS goes to the allocated SDCCH/8 and sends a PAGING RESPONSE message containing its identity and its classmark. To verify that the MS can correctly identify its own assignment in either the Request Reference 1 or the Request Reference 2 information element in an extended assignment message. To verify that the MS only reacts to an Immediate Assignment which references one of the last 3 CHANNEL REQUEST messages from the MS. |                                        |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CRef                                   | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                        |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                        |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        |     |          |
| 4                           |       | (TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubA, C_CellA), TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubA, C_CellA))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        |     |          |
| 5                           |       | +PreEnterIdleState_Comb01(C_Immass, TCV_slot, TCV_tsc, 5, 7, 0, TimingAdv_r02, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                        |     | 1.       |
| 6                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |     |          |
| 7                           | body  | +firstPart                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                        |     |          |
| 8                           |       | +secondPart                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |     |          |
| 9                           |       | +PreEnterIdleState_r01(C_Immass, TSPX_TmSltDef, TSPX_TscDef, 5, 7, 0, TimingAdv_r02, '000'B, '000'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                        |     | 2.       |
| 10                          |       | (TCV_ch := OC_SubchOfSdcch8(TSPX_SDCC H8SubC, C_CellA, 1), TCV_sacch8 := OC_SubchOfSacch8(TSPX_SDCC H8SubC, C_CellA, 1))                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                        |     |          |
| 11                          |       | +SDCCH8_A_def(C_Immass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_r02, '000'B, '000'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                        |     |          |
| 12                          |       | +CCCH_group_Paging_group(T CV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        |     |          |
| 13                          |       | START T_dly(40000)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                        |     |          |
| 14                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |     |          |
| 15                          |       | +thirdPart                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                        |     |          |
| 16                          |       | <b>firstPart</b><br>L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01) |     |          |
| 17                          |       | (TCV_Cnt := 0)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |     |          |
| 18                          |       | REPEAT localTree UNTIL [TCV_Cnt = TSPX_nPara]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                        |     | 5.       |
| 19                          |       | (TCV_Rqr := OC_SaveAndRetrv(TCV_Rqr, C_RETRV, TSPX_i1Para, 0), TCV_Rqr9 := OC_SaveAndRetrv(TCV_Rqr, C_RETRV, TSPX_i1Para, 1))                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                        |     | 6.       |
| 20                          |       | +gsmOrDcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |     | 7.       |
| 21                          |       | L?DL_EstInPgRes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PgRes_02(TCV_ch)                       | (P) | 3.       |
| 22                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                        |     |          |
| 23                          |       | START T_dly(12000)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                        |     |          |
| 24                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |     |          |
| 25                          |       | <b>secondPart</b><br>L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PgReq1(TCV_PgCh, TCV_Pgg,              |     |          |

|    |                                                                                                                               |                                                                                                                     |     |
|----|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----|
| 26 | (TCV_Cnt := 0)                                                                                                                | PgReqTp1_01)                                                                                                        |     |
| 27 | REPEAT localTree UNTIL [TCV_Cnt = TSPX_kPara]                                                                                 |                                                                                                                     | 8.  |
| 28 | (TCV_Rqr := OC_SaveAndRetrv(TCV_Rqr, C_RETRV, TSPX_i2Para, 0), TCV_Rqr9 := OC_SaveAndRetrv(TCV_Rqr, C_RETRV, TSPX_i2Para, 1)) |                                                                                                                     | 9.  |
| 29 | +gsmOrDcs                                                                                                                     |                                                                                                                     | 10. |
| 30 | (TCV_Cnt := 0)                                                                                                                |                                                                                                                     | 3.  |
| 31 | REPEAT localTree UNTIL [TCV_Cnt = 8 - TSPX_kPara]                                                                             |                                                                                                                     | 11. |
| 32 | START T_dly(3000)                                                                                                             |                                                                                                                     |     |
| 33 | [OM_L2FrameRcvd( TCV_ch) = TRUE]                                                                                              | (F)                                                                                                                 | 12. |
| 34 | ?TIMEOUT T_dly                                                                                                                | (P)                                                                                                                 |     |
| 35 | START T_dly(7000)                                                                                                             |                                                                                                                     |     |
| 36 | ?TIMEOUT T_dly                                                                                                                |                                                                                                                     |     |
|    | <b>thirdPart</b>                                                                                                              |                                                                                                                     |     |
| 37 | L!DL_UdatRqPg1Rq                                                                                                              | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                                                                              |     |
| 38 | (TCV_Cnt := 0)                                                                                                                |                                                                                                                     |     |
| 39 | REPEAT localTree UNTIL [TCV_Cnt = TSPX_rPara]                                                                                 |                                                                                                                     | 13. |
| 40 | (TCV_Rqr := OC_SaveAndRetrv(TCV_Rqr, C_RETRV, TSPX_i3Para, 0), TCV_Rqr9 := OC_SaveAndRetrv(TCV_Rqr, C_RETRV, TSPX_i3Para, 1)) |                                                                                                                     | 14. |
| 41 | L!DL_UdatRqImmssx                                                                                                             | ImmAssX_r02(TCV_a gch, TCV_Rqr9.ra, TCV_Rqr9.fn, TCV_Rqr.ra, TCV_Rqr.fn, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_r02) | 4.  |
| 42 | L?DL_EstInPgRes                                                                                                               | PgRes_02(TCV_ch)                                                                                                    | (P) |
| 43 | +PostMainLinkRel(TCV_ch)                                                                                                      |                                                                                                                     |     |
|    | <b>localTree</b>                                                                                                              |                                                                                                                     |     |
| 44 | L?DL_RaclnChRq (TCV_Rqr.ra := DL_RaclnChRq.msg.ecau_rrf, TCV_Rqr.fn := DL_RaclnChRq.fn)                                       | ChReq_01                                                                                                            | 15. |
| 45 | (TCV_Cnt := TCV_Cnt +1)                                                                                                       |                                                                                                                     |     |
| 46 | (TCV_Rqr10 := OC_SaveAndRetrv(TCV_Rqr, C_SAVE, TCV_Cnt, 0))                                                                   |                                                                                                                     |     |
|    | <b>gsmOrDcs</b>                                                                                                               |                                                                                                                     |     |
| 47 | [TSPC_PGSM OR TSPC_EGSM]                                                                                                      |                                                                                                                     |     |
| 48 | L!DL_UdatRqImmssx                                                                                                             | ImmAssX_r01(TCV_a gch, TCV_Rqr.ra, TCV_Rqr.fn, TCV_Rqr9.ra, TCV_Rqr9.fn, TCV_slot, TCV_tsc, TimingAdv_r02)          |     |
| 49 | [TSPC_DCS]                                                                                                                    |                                                                                                                     |     |
| 50 | L!DL_UdatRqImmssx                                                                                                             | ImmAssX_r03(TCV_a gch, TCV_Rqr.ra, TCV_Rqr.fn, TCV_Rqr9.ra, TCV_Rqr9.fn, TCV_slot, TCV_tsc, TimingAdv_r02)          |     |

**Detailed Comments:**

1. To broadcast sys\_info messages with default contents for RR tests with exception for Max\_Retrans that is set to 7 and also to set up a physical channel as combined CCCH/SDCCH.
2. Non combined CCCH/SDCCH, 5 slots for Tx-int, 7 retransmission.
3. To send immediate Assignment Extended message with Request reference (TCV\_Rqr) for MS1, and with request reference (TCV\_Rqr9) for MS2.

4. To send immediate Assignment Extended message with Request reference (TCV\_Rqr) for MS2, request reference (TCV\_Rqr9) for MS1.
5. Reception of the first TSPX\_nPara Channel Request messages.
6. To have a request reference pertaining to the TSPX\_i1Para\_i-th Channel Request where TSPX\_i1Para\_i-th is within  $\{\max(1, \text{TSPX\_nPara} - 2), \text{TSPX\_nPara}\}$
7. To have a request reference different from any request reference the MS has generated.
8. Reception of TSPX\_kPara Channel Request messages. TSPX\_kPara within the set $\{4\dots 8\}$ .
9. To have a request reference pertaining to the TSPX\_i2Para\_i-th Channel Request where TSPX\_i2Para\_i-th is within  $\{\max(1\dots \text{TSPX\_kPara} - 3)\}$
10. To have a request reference different from any request reference the MS has generated.
11. Channel Request 8 - TSPX\_kPara Channel Requests are sent.
12. Check that the MS does not transmit any layer 2 frames for at least 3 seconds.
13. Reception of TSPX\_rPara Channel Request messages.
14. To have a request reference pertaining to the TSPX\_i3Para\_i-th Channel Request where TSPX\_i3Para\_i-th is within  $\{\max(\text{TSPX\_rPara} - 2\dots \text{TSPX\_rPara})\}$ .
15. This local tree is used to collect and store the frame number and the request reference which are included in each ChReq\_01 primitive received.

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                               |                                                                              |     |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_6_1_3                                                                                                                                                                                                                                                   |                                                                              |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                           |                                                                              |     |          |
| <b>Purpose:</b>             |       | To verify that the MS can accept an Immediate Assignment Rejection. To verify that the MS can respond to paging after an Immediate Assignment Rejection is received on a different cell.                                                                      |                                                                              |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                               |                                                                              |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                         | CRef                                                                         | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                            |                                                                              |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                          |                                                                              |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                               |                                                                              |     |          |
| 4                           |       | (TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB))                                                                                                                                      |                                                                              |     |          |
| 5                           |       | +PreEnterIdleState_Comb01( C_Immass, TCV_slot, TCV_tsc, 5, 7,0, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                 |                                                                              | 1.  |          |
| 6                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                |                                                                              |     |          |
| 7                           |       | +StartCellB_2(C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                   |                                                                              | 2.  |          |
| 8                           | body  | +test1                                                                                                                                                                                                                                                        |                                                                              |     |          |
| 9                           |       | +LowerRfLevelOfCell(C_CellA)                                                                                                                                                                                                                                  |                                                                              |     |          |
| 10                          |       | START T_dly(12000)                                                                                                                                                                                                                                            |                                                                              |     |          |
| 11                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                |                                                                              |     |          |
| 12                          |       | +CCCH_group_Paging_group(TCV_Ccd0B, TSPX_IMSI)                                                                                                                                                                                                                |                                                                              |     |          |
| 13                          |       | +test2                                                                                                                                                                                                                                                        |                                                                              |     |          |
| 14                          |       | <b>test1</b><br>+CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                |                                                                              |     |          |
| 15                          |       | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                              | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                                       |     |          |
| 16                          |       | (TCV_Cnt := 0)                                                                                                                                                                                                                                                |                                                                              |     |          |
| 17                          |       | REPEAT localTree UNTIL [TCV_Cnt = TSPX_n1Para]                                                                                                                                                                                                                |                                                                              |     |          |
| 18                          |       | (TCV_Rqr := OC_SaveAndRetrv(TCV_Rqr, C_RETRV, TSPX_i4Para, 0), TCV_Rqr9 := OC_SaveAndRetrv(TCV_Rqr, C_RETRV, TSPX_i4Para, 1), TCV_Rqr10 := OC_SaveAndRetrv(TCV_Rqr, C_RETRV, TSPX_i4Para, 1), TCV_Rqr11 := OC_SaveAndRetrv(TCV_Rqr, C_RETRV, TSPX_i4Para, 1)) |                                                                              |     |          |
| 19                          |       | L!DL_UdatRqImmassRej                                                                                                                                                                                                                                          | ImmAssRej_r01(TCV_agch, TCV_Rqr9, TCV_Rqr10, TCV_Rqr, TCV_Rqr11, TSPX_xPara) |     |          |
| 20                          |       | +continuePaging((TSPX_xPara * 1000))                                                                                                                                                                                                                          |                                                                              | 3.  |          |
| 21                          |       | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                              | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                                       |     |          |
| 22                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                  | ChReq_01                                                                     | (P) | 4.       |
| 23                          |       | L!DL_UdatRqImmassRej                                                                                                                                                                                                                                          | ImmAssRej_r01(TCV_agch, TCV_Rqr9, TCV_Rqr10, TCV_Rqr, TCV_Rqr11, 255)        |     |          |
|                             |       | <b>test2</b>                                                                                                                                                                                                                                                  |                                                                              |     |          |

|                           |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                  |     |        |
|---------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----|--------|
| 24                        |      | +CCCH_group_Paging_group(TCV_Ccd0B,<br>TSPX_IMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                  |     |        |
| 25                        |      | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PgReq1(C_PCH_B_1<br>, TCV_Pgg,<br>PgReqTp1_01)   |     | Cell B |
| 26                        |      | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                                                                      | ChReq_15(C_RACH_<br>B_1)                         | (P) | 5.     |
| 27                        |      | L!DL_UdatRqImmRej                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ImmAssRej_r03(C_A<br>GCH_B_1, TCV_Rr,<br>TCV_Fn) |     |        |
|                           |      | <b>continuePaging(t:INTEGER)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                  |     |        |
| 28                        |      | START T_dly(t)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                  |     |        |
| 29                        | loop | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PgReq1(TCV_PgCh,<br>TCV_Pgg,<br>PgReqTp1_01)     |     |        |
| 30                        |      | START T_dly(46)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                  |     |        |
| 31                        |      | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                  |     |        |
| 32                        |      | ?TIMEOUT T_dly1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                  |     |        |
| 33                        |      | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                  |     |        |
| 34                        |      | GOTO loop                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                  |     |        |
|                           |      | <b>localTree</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                  |     |        |
| 35                        |      | L?DL_RaInChRq (TCV_Rqr.ra := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Rqr.fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                                                              | ChReq_15(C_RACH_<br>B_1)                         | (P) |        |
| 36                        |      | (TCV_Cnt := TCV_Cnt +1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |     |        |
| 37                        |      | (TCV_Rqr9 := OC_SaveAndRetrv(TCV_Rqr,<br>C_SAVE, TCV_Cnt, 0))                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                  |     |        |
| <b>Detailed Comments:</b> |      | <ol style="list-style-type: none"> <li>1. To setup a physical channel as combined CCCH/SDCCH, 5 for Tx-int, 7 retransmission used as cell A.</li> <li>2. To setup a physical channel as combined ccch/sdcch4 used as cell B. The location area code is the same as cell A.</li> <li>3. To send PAGING REQUEST message in every block of the mobile station's paging subgroup for TSPX_xPara seconds.</li> <li>4. The MS responds the paging, pass.</li> <li>5. The MS responds the paging in cell B, pass.</li> </ol> |                                                  |     |        |

| Test Case Dynamic Behaviour |       |                                                                                                                     |                                         |     |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_6_1_4                                                                                                         |                                         |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                 |                                         |     |          |
| <b>Purpose:</b>             |       | To verify that the MS ignores an assignment for another MS while it is waiting for an assignment of its own.        |                                         |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                     |                                         |     |          |
| Nr                          | Label | Behaviour Description                                                                                               | CRef                                    | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                  |                                         |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                |                                         |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                     |                                         |     |          |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA)) |                                         |     |          |
| 5                           |       | +PreEnterIdleState_Comb01(C_Immass, TCV_slot, TCV_tsc, 5, 1,0, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)        |                                         |     | 1.       |
| 6                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                      |                                         |     |          |
| 7                           | body  | L!DL_UdatRqPg1Rq                                                                                                    | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)  |     |          |
| 8                           |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := OC_FnInc(DL_RacInChRq.fn, 2))                        | ChReq_01                                |     | 2.       |
| 9                           |       | +gsmOrDcs                                                                                                           |                                         |     |          |
| 10                          |       | START T_dly(2000)                                                                                                   |                                         |     |          |
| 11                          |       | ?TIMEOUT T_dly                                                                                                      |                                         |     |          |
| 12                          |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                     | ChReq_01                                | (P) |          |
| 13                          |       | L!DL_UdatRqImmassRej                                                                                                | ImmAssRej_r02(TCV_agch, TCV_Rr, TCV_Fn) |     |          |
| 14                          |       | +localtree1                                                                                                         |                                         |     |          |
| 15                          |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                     | ChReq_01                                | (P) |          |
| 16                          |       | L!DL_UdatRqImmassRej                                                                                                | ImmAssRej_r02(TCV_agch, TCV_Rr, TCV_Fn) |     |          |
| 17                          |       | ?TIMEOUT T_dly                                                                                                      |                                         |     |          |
| 18                          |       | +localtree1                                                                                                         |                                         |     |          |
| <b>localtree1</b>           |       |                                                                                                                     |                                         |     |          |
| 19                          |       | START T_dly(6000)                                                                                                   |                                         |     |          |
| 20                          |       | ?TIMEOUT T_dly                                                                                                      |                                         |     |          |
| 21                          |       | L!DL_UdatRqPg1Rq                                                                                                    | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)  |     |          |
| 22                          |       | L?DL_RacInChRq (TCV_Rr := OC_BinAdd(DL_RacInChRq.msg.ecau_rrf, '00000010'B), TCV_Fn := DL_RacInChRq.fn)             | ChReq_01                                |     | 3.       |
| 23                          |       | +gsmOrDcs                                                                                                           |                                         |     |          |
| 24                          |       | START T_dly(2000)                                                                                                   |                                         |     |          |
| 25                          |       | ?TIMEOUT T_dly                                                                                                      |                                         |     |          |
| 26                          |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                     | ChReq_01                                |     |          |
| 27                          |       | L!DL_UdatRqImmassRej                                                                                                | ImmAssRej_r02(TCV_agch, TCV_Rr, TCV_Fn) | P   |          |
| 28                          |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                     | ChReq_01                                |     |          |
| 29                          |       | L!DL_UdatRqImmassRej                                                                                                | ImmAssRej_r02(TCV_agch, TCV_Rr,         | (P) |          |

|                           |  |                                                                                                                                                                                                                                         |                                                                                  |  |  |
|---------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--|--|
| 30                        |  | ?TIMEOUT T_dly                                                                                                                                                                                                                          | TCV_Fn)                                                                          |  |  |
| 31                        |  | <b>gsmOrDcs</b>                                                                                                                                                                                                                         |                                                                                  |  |  |
| 32                        |  | [TSPC_PGSM OR TSPC_EGSM]<br>LIDL_UdatRqImmss                                                                                                                                                                                            | ImmAss_r10(TCV_ag<br>ch, TCV_Rr, TCV_Fn,<br>TCV_slot, TCV_tsc,<br>TimingAdv_r01) |  |  |
| 33                        |  | [TSPC_DCS]                                                                                                                                                                                                                              |                                                                                  |  |  |
| 34                        |  | LIDL_UdatRqImmss                                                                                                                                                                                                                        | ImmAss_r16(TCV_ag<br>ch, TCV_Rr, TCV_Fn,<br>TCV_slot, TCV_tsc,<br>TimingAdv_r01) |  |  |
| <b>Detailed Comments:</b> |  | <ol style="list-style-type: none"> <li>1. To setup a physical channel as combined bcch/sdcch, default parameters for cell A.</li> <li>2. making a frame number is of 2 higher.</li> <li>3. Making a wrong request reference.</li> </ol> |                                                                                  |  |  |



| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                             |                                                                                 |     |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_6_1_5                                                                                                                                                                                                                 |                                                                                 |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                         |                                                                                 |     |          |
| <b>Purpose:</b>             |       | To verify that the MS correctly responds to an IMMEDIATE ASSIGNMENT message sent after an IMMEDIATE ASSIGNMENT REJECT message.                                                                                              |                                                                                 |     |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                          |                                                                                 |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                       | CRef                                                                            | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                          |                                                                                 |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                        |                                                                                 |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                             |                                                                                 |     |          |
| 4                           |       | +PreEnterIdleState_r01(C_Immass, TSPX_TmSltDef, TSPX_TscDef, 7,7,0, TimingAdv_r01, '000'B, '000'B, '011'B, '00'O)                                                                                                           |                                                                                 |     | 1.       |
| 5                           |       | (TCV_ch := OC_SubchOfSdcch8(TSPX_SDCCH8SubD, C_CellA, 1), TCV_sacch8 := OC_SubchOfSacch8(TSPX_SDCCH8SubD, C_CellA, 1))                                                                                                      |                                                                                 |     |          |
| 6                           |       | +SDCCH8_A_def(C_Immass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_r01, '000'B, '000'B, '011'B)                                                                                                                                  |                                                                                 |     | 2.       |
| 7                           |       | +CCCH_group_Paging_group(TCV_Ccd0 A, TSPX_IMSI)                                                                                                                                                                             |                                                                                 |     |          |
| 8                           | body  | L!DL_UdatRqPg1Rq                                                                                                                                                                                                            | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                                          |     |          |
| 9                           |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                                                                             | ChReq_01                                                                        |     |          |
| 10                          |       | L?DL_RacInChRq (TCV_Rr1 := DL_RacInChRq.msg.ecau_rrf, TCV_Fn1 := DL_RacInChRq.fn)                                                                                                                                           | ChReq_01                                                                        |     |          |
| 11                          |       | L?DL_RacInChRq                                                                                                                                                                                                              | ChReq_01                                                                        |     |          |
| 12                          |       | L!DL_UdatRqImmRej                                                                                                                                                                                                           | ImmAssRej_05(TCV_agch, TCV_Rr, TCV_Fn)                                          |     |          |
| 13                          |       | START T_dly1(OC_Random(750,1250))                                                                                                                                                                                           |                                                                                 |     |          |
| 14                          |       | ?TIMEOUT T_dly1                                                                                                                                                                                                             |                                                                                 |     |          |
| 15                          |       | L!DL_UdatRqImm                                                                                                                                                                                                              | ImmAss_r04(TCV_agch, TCV_Rr, TCV_Fn, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_r01) |     |          |
| 16                          |       | L?DL_EstInPgRes                                                                                                                                                                                                             | PgRes_02(TCV_ch)                                                                | (P) | 3.       |
| 17                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                    |                                                                                 |     |          |
| <b>Detailed Comments:</b>   |       | 1. To setup a physical channel as non-combined CCCH/SDCCH, Tx-int= 7 , retransmission = 7.<br>2. To setup aphysical channel as SDCCH8.<br>3. The expected PAGING RESPONSE received on the correct channel (TSPX_SDCCH8SubD) |                                                                                 |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                               |                                         |     |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_6_2_1_1                                                                                                                                                                                                                                                                                                                                                                                                                 |                                         |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                           |                                         |     |          |
| <b>Purpose:</b>             |       | To test that the MS is able to determine its CCCH group and paging group correctly and that the MS responds correctly to various PAGING REQUEST TYPE 1 messages when the page mode is set to normal paging. All valid ways of addressing the MS are tested. It is tested that the MS responds with the same type of identity that is used in the PAGING REQUEST TYPE 1 message. It is tested that the MS ignores fill paging. |                                         |     |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                            |                                         |     |          |
| <b>Comments:</b>            |       | The configuration is Max-Retrans = 2, combined CCCH/BCCH, BS-AG-BLKS-RES = 1, and BS-PA-MFRMS = 1.                                                                                                                                                                                                                                                                                                                            |                                         |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                         | CRef                                    | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                            |                                         |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                          |                                         |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                               |                                         |     |          |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubC, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubC, C_CellA))                                                                                                                                                                                                                                                                                                               |                                         |     |          |
| 5                           |       | +PreEnterIdleState_r02(C_Immass, TCV_slot, TCV_tsc, 5, 2, C_S2, C_S4, C_S6, TimingAdv_r01, 0, '001'B, '001'B, '001'B, '00'O)                                                                                                                                                                                                                                                                                                  |                                         |     |          |
| 6                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                                                                                                                                |                                         |     |          |
| 7                           | body  | +test1                                                                                                                                                                                                                                                                                                                                                                                                                        |                                         |     |          |
| 8                           |       | START T_dly(12000)                                                                                                                                                                                                                                                                                                                                                                                                            |                                         |     |          |
| 9                           |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                                |                                         |     |          |
| 10                          |       | +test2                                                                                                                                                                                                                                                                                                                                                                                                                        |                                         |     |          |
| 11                          |       | START T_dly(12000)                                                                                                                                                                                                                                                                                                                                                                                                            |                                         |     |          |
| 12                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                                |                                         |     |          |
| 13                          |       | +test3                                                                                                                                                                                                                                                                                                                                                                                                                        |                                         |     |          |
| 14                          |       | START T_dly(12000)                                                                                                                                                                                                                                                                                                                                                                                                            |                                         |     |          |
| 15                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                                |                                         |     |          |
| 16                          |       | +test4                                                                                                                                                                                                                                                                                                                                                                                                                        |                                         |     |          |
| 17                          |       | START T_dly(12000)                                                                                                                                                                                                                                                                                                                                                                                                            |                                         |     |          |
| 18                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                                |                                         |     |          |
| 19                          |       | +test5                                                                                                                                                                                                                                                                                                                                                                                                                        |                                         |     |          |
|                             |       | <b>test1</b>                                                                                                                                                                                                                                                                                                                                                                                                                  |                                         |     |          |
| 20                          |       | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                                                                                              | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_05)  |     | 1.       |
| 21                          |       | L?DL_RaInChRq                                                                                                                                                                                                                                                                                                                                                                                                                 | ChReq_01                                |     |          |
| 22                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                                                  | ChReq_01                                |     |          |
| 23                          |       | +gsmOrDcs                                                                                                                                                                                                                                                                                                                                                                                                                     |                                         |     |          |
| 24                          |       | L?DL_EstInPgRes                                                                                                                                                                                                                                                                                                                                                                                                               | PgRes_r05                               | (P) |          |
| 25                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                      |                                         |     |          |
|                             |       | <b>test2</b>                                                                                                                                                                                                                                                                                                                                                                                                                  |                                         |     |          |
| 26                          |       | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                                                                                              | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_r01) |     | 2.       |
| 27                          |       | L?DL_RaInChRq                                                                                                                                                                                                                                                                                                                                                                                                                 | ChReq_01                                |     |          |
| 28                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                                                  | ChReq_01                                |     |          |
| 29                          |       | +gsmOrDcs                                                                                                                                                                                                                                                                                                                                                                                                                     |                                         |     |          |
| 30                          |       | L?DL_EstInPgRes                                                                                                                                                                                                                                                                                                                                                                                                               | PgRes_r04                               | (P) |          |
| 31                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                      |                                         |     |          |
|                             |       | <b>test3</b>                                                                                                                                                                                                                                                                                                                                                                                                                  |                                         |     |          |
| 32                          |       | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                                                                                              | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_r02) |     | 3.       |

|    |                                                                                  |                                                                                      |     |    |
|----|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----|----|
| 33 | L?DL_RaInChRq                                                                    | ChReq_01                                                                             |     |    |
| 34 | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn) | ChReq_01                                                                             |     |    |
| 35 | +gsmOrDcs                                                                        |                                                                                      |     |    |
| 36 | L?DL_EstInPgRes                                                                  | PgRes_r05                                                                            | (P) |    |
| 37 | +PostMainLinkRel(TCV_ch)                                                         |                                                                                      |     |    |
|    | <b>test4</b>                                                                     |                                                                                      |     |    |
| 38 | L!DL_UdatRqPg1Rq                                                                 | PgReq1(TCV_PgCh,<br>TCV_Pgg,<br>PgReqTp1_r03)                                        |     | 4. |
| 39 | L?DL_RaInChRq                                                                    | ChReq_01                                                                             |     |    |
| 40 | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn) | ChReq_01                                                                             |     |    |
| 41 | +gsmOrDcs                                                                        |                                                                                      |     |    |
| 42 | L?DL_EstInPgRes                                                                  | PgRes_r04                                                                            | (P) |    |
| 43 | +PostMainLinkRel(TCV_ch)                                                         |                                                                                      |     |    |
|    | <b>test5</b>                                                                     |                                                                                      |     |    |
| 44 | L!DL_UdatRqPg1Rq                                                                 | PgReq1(TCV_PgCh,<br>TCV_Pgg,<br>PgReqTp1_r04)                                        |     | 5. |
| 45 | START T_dly(1000)                                                                |                                                                                      |     |    |
| 46 | ?TIMEOUT T_dly                                                                   |                                                                                      | P   |    |
| 47 | L?OTHERWISE                                                                      |                                                                                      | F   | 6. |
|    | <b>gsmOrDcs</b>                                                                  |                                                                                      |     |    |
| 48 | [TSPC_PGSM OR TSPC_EGSM]                                                         |                                                                                      |     |    |
| 49 | L!DL_UdatRqImm                                                                   | ImmAss_r11(TCV_ag<br>ch, TCV_Rr, TCV_Fn,<br>TCV_slot, TCV_tsc,<br>TimingAdv_r01)     |     |    |
| 50 | [TSPC_DCS]                                                                       |                                                                                      |     |    |
| 51 | L!DL_UdatRqImm                                                                   | ImmAss_r11d(TCV_a<br>gch, TCV_Rr,<br>TCV_Fn, TCV_slot,<br>TCV_tsc,<br>TimingAdv_r01) |     |    |

**Detailed Comments:**

1. Within the paging request message, the 1st MI contains IMSI of the MS, the 2nd is absent.
2. Within the paging request message, the 1st MI contains TMSI of the MS, the 2nd has the IMSI of an another MS.
3. Within the paging request message, the 1st MI contains TMSI of an another MS, the 2nd has the IMSI of the MS.
4. Within the paging request message, the 1st MI contains TMSI of an another MS, the 2nd has the TMSI of the MS.
5. Within the paging request message, the 1st MI contains TMSI of the MS together with type of no identity, the 2nd is absent .
6. If received any L3 frame FAIL.

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                         |     |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_6_2_1_2                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                         |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                         |     |          |
| <b>Purpose:</b>             |       | To test that the MS is able to determine its CCCH group and paging group correctly and that the MS responds correctly to various PAGING REQUEST TYPE 2 messages when the page mode is set to normal paging. All valid ways of addressing the MS are tested. It is tested that the MS responds with the same type of identity that is used in the PAGING REQUEST TYPE 2 message. It is tested that the MS ignores a PAGING REQUEST TYPE 2 message that does not address it. |                                         |     |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                         |     |          |
| <b>Comments:</b>            |       | The configuration is Max-Retrans = 2, combined CCCH/BCCH, BS-AG-BLKS-RES = 2, and BS-PA-MFRMS = 3.                                                                                                                                                                                                                                                                                                                                                                         |                                         |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                      | CRef                                    | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                         |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                         |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                            |                                         |     |          |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubB, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubB, C_CellA))                                                                                                                                                                                                                                                                                                                                                            |                                         |     |          |
| 5                           |       | +PreEnterIdleState_r02(C_Immass, TCV_slot, TCV_tsc, 5, 2, C_S2, C_S4, C_S6, TimingAdv_r01, 0, '010'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                               |                                         |     |          |
| 6                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                                                                                                                                                                             |                                         |     |          |
| 7                           | body  | +test1                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                         |     |          |
| 8                           |       | +test2                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                         |     |          |
| 9                           |       | +test3                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                         |     |          |
| 10                          |       | +test4                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                         |     |          |
| 11                          |       | +test5                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                         |     |          |
|                             |       | <b>test1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                         |     |          |
| 12                          |       | L!DL_UdatRqPg2Rq                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PgReq2(TCV_PgCh, TCV_Pgg, PgReqTp2_r01) |     | 1.       |
| 13                          |       | L?DL_RacInChRq                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ChReq_01                                |     |          |
| 14                          |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                            | ChReq_01                                |     |          |
| 15                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                         |     |          |
| 16                          |       | L?DL_EstInPgRes                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PgRes_r04                               | (P) |          |
| 17                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                         |     |          |
|                             |       | <b>test2</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                         |     |          |
| 18                          |       | START T_dly(12000)                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                         |     |          |
| 19                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                         |     |          |
| 20                          |       | LIDL_UdatRqPg2Rq                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PgReq2(TCV_PgCh, TCV_Pgg, PgReqTp2_r02) |     | 2.       |
| 21                          |       | L?DL_RacInChRq                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ChReq_01                                |     |          |
| 22                          |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                            | ChReq_01                                |     |          |
| 23                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                         |     |          |
| 24                          |       | L?DL_EstInPgRes                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PgRes_r04                               | (P) |          |
| 25                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                         |     |          |
|                             |       | <b>test3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                         |     |          |
| 26                          |       | START T_dly(12000)                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                         |     |          |
| 27                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                         |     |          |
| 28                          |       | LIDL_UdatRqPg2Rq                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PgReq2(TCV_PgCh, TCV_Pgg, PgReqTp2_r03) |     | 3.       |
| 29                          |       | L?DL_RacInChRq                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ChReq_01                                |     |          |
| 30                          |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn :=                                                                                                                                                                                                                                                                                                                                                                                                             | ChReq_01                                |     |          |

|    |                                                                                    |                                                                                      |     |    |
|----|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----|----|
| 31 | DL_RaInChRq.fn)                                                                    |                                                                                      |     |    |
| 32 | +localtree                                                                         |                                                                                      |     |    |
| 33 | L?DL_EstInPgRes                                                                    | PgRes_r04                                                                            | (P) |    |
|    | +PostMainLinkRel(TCV_ch)                                                           |                                                                                      |     |    |
|    | <b>test4</b>                                                                       |                                                                                      |     |    |
| 34 | START T_dly(12000)                                                                 |                                                                                      |     |    |
| 35 | ?TIMEOUT T_dly                                                                     |                                                                                      |     |    |
| 36 | LIDL_UdatRqPg2Rq                                                                   | PgReq2(TCV_PgCh,<br>TCV_Pgg,<br>PgReqTp2_r04)                                        |     | 4. |
| 37 | L?DL_RaInChRq                                                                      | ChReq_01                                                                             |     |    |
| 38 | L?DL_RaInChRq (TCV_Rr :=<br>DL_RaInChRq.msg.ecau_rrf, TCV_Fn :=<br>DL_RaInChRq.fn) | ChReq_01                                                                             |     |    |
| 39 | +localtree                                                                         |                                                                                      |     |    |
| 40 | L?DL_EstInPgRes                                                                    | PgRes_r05                                                                            | (P) |    |
| 41 | +PostMainLinkRel(TCV_ch)                                                           |                                                                                      |     |    |
|    | <b>test5</b>                                                                       |                                                                                      |     |    |
| 42 | START T_dly(12000)                                                                 |                                                                                      |     |    |
| 43 | ?TIMEOUT T_dly                                                                     |                                                                                      |     |    |
| 44 | LIDL_UdatRqPg2Rq                                                                   | PgReq2(TCV_PgCh,<br>TCV_Pgg,<br>PgReqTp2_r05)                                        |     | 5. |
| 45 | START T_dly(1000)                                                                  |                                                                                      |     |    |
| 46 | ?TIMEOUT T_dly                                                                     |                                                                                      | P   |    |
| 47 | L?OTHERWISE                                                                        |                                                                                      | F   | 6. |
|    | <b>localtree</b>                                                                   |                                                                                      |     |    |
| 48 | [TSPC_PGSM OR TSPC_EGSM]                                                           |                                                                                      |     |    |
| 49 | LIDL_UdatRqImmss                                                                   | ImmAss_r10(TCV_ag<br>ch, TCV_Rr, TCV_Fn,<br>TCV_slot, TCV_tsc,<br>TimingAdv_r01)     |     |    |
| 50 | [TSPC_DCS]                                                                         |                                                                                      |     |    |
| 51 | LIDL_UdatRqImmss                                                                   | ImmAss_r10d(TCV_a<br>gch, TCV_Rr,<br>TCV_Fn, TCV_slot,<br>TCV_tsc,<br>TimingAdv_r01) |     |    |

**Detailed Comments:**

1. Within the paging request message, the 1st MI contains TMSI of the IUT, the 2nd has the TMSI of an another MS, the 3rd is absent.
2. Within the paging request message, the 1st MI contains TMSI of an another MS, the 2nd has the TMSI of the IUT, the 3rd is absent.
3. Within the paging request message, the 1st and 2nd MI contain TMSI of an another MS, the 3rd has the TMSI of the IUT.
4. Within the paging request message, the 1st and 2nd MI contain TMSI of an another MS, the 3rd has the IMSI of the IUT.
5. Within the paging request message, the 1st and 2nd MI contain TMSI of an another MS, the 3rd has the TMSI of the IUT but with the type of no identity.
6. If received any L3 frame FAIL.

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                             |                                         |     |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_6_2_1_3                                                                                                                                                                                                                                               |                                         |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                         |                                         |     |          |
| <b>Purpose:</b>             |       | To test that the MS is able to determine its CCCH group and paging group correctly and that the MS responds correctly to various PAGING REQUEST TYPE 3 messages when the page mode is set to normal paging. All valid ways of addressing the MS are tested. |                                         |     |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                          |                                         |     |          |
| <b>Comments:</b>            |       | The configuration is Max-Retrans = 2, 2 non-combined CCCH/BCCH, BS-AG-BLKS-RES = 5, and BS-PA-MFRMS = 6.                                                                                                                                                    |                                         |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                       | CRef                                    | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                          |                                         |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                        |                                         |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                             |                                         |     |          |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch8(TSPX_SDCCH8SubE, C_CellA, 1), TCV_sacch8 := OC_SubchOfSacch8(TSPX_SDCCH8SubE, C_CellA, 1))                                                                                                                                      |                                         |     |          |
| 5                           |       | +PreEnterIdleState_r02(C_Immass, TCV_slot, TCV_tsc, 5, 2, C_S2, C_S4, C_S6, TimingAdv_r01, 0, '101'B, '010'B, '110'B, '00'O)                                                                                                                                |                                         |     | 1.       |
| 6                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                              |                                         |     |          |
| 7                           |       | +SelectPagingCh(C_CellA)                                                                                                                                                                                                                                    |                                         |     |          |
| 8                           | body  | +test1                                                                                                                                                                                                                                                      |                                         |     |          |
| 9                           |       | +test2                                                                                                                                                                                                                                                      |                                         |     |          |
| 10                          |       | +test3                                                                                                                                                                                                                                                      |                                         |     |          |
| 11                          |       | +test4                                                                                                                                                                                                                                                      |                                         |     |          |
|                             |       | <b>test1</b>                                                                                                                                                                                                                                                |                                         |     |          |
| 12                          |       | L!DL_UdatRqPg3Rq                                                                                                                                                                                                                                            | PgReq3(TCV_PgCh, TCV_Pgg, PgReqTp3_r01) |     | 2.       |
| 13                          |       | L?DL_RacInChRq                                                                                                                                                                                                                                              | ChReq_01                                |     |          |
| 14                          |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                                                                                                             | ChReq_01                                |     |          |
| 15                          |       | +gsmOrDcs                                                                                                                                                                                                                                                   |                                         |     |          |
| 16                          |       | L?DL_EstInPgRes                                                                                                                                                                                                                                             | PgRes_r04                               | (P) |          |
| 17                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                    |                                         |     |          |
|                             |       | <b>test2</b>                                                                                                                                                                                                                                                |                                         |     |          |
| 18                          |       | START T_dly(12000)                                                                                                                                                                                                                                          |                                         |     |          |
| 19                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                              |                                         |     |          |
| 20                          |       | LIDL_UdatRqPg3Rq                                                                                                                                                                                                                                            | PgReq3(TCV_PgCh, TCV_Pgg, PgReqTp3_r02) |     | 3.       |
| 21                          |       | L?DL_RacInChRq                                                                                                                                                                                                                                              | ChReq_01                                |     |          |
| 22                          |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                                                                                                             | ChReq_01                                |     |          |
| 23                          |       | +gsmOrDcs                                                                                                                                                                                                                                                   |                                         |     |          |
| 24                          |       | L?DL_EstInPgRes                                                                                                                                                                                                                                             | PgRes_r04                               | (P) |          |
| 25                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                    |                                         |     |          |
|                             |       | <b>test3</b>                                                                                                                                                                                                                                                |                                         |     |          |
| 26                          |       | START T_dly(12000)                                                                                                                                                                                                                                          |                                         |     |          |
| 27                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                              |                                         |     |          |
| 28                          |       | LIDL_UdatRqPg3Rq                                                                                                                                                                                                                                            | PgReq3(TCV_PgCh, TCV_Pgg, PgReqTp3_r03) |     | 4.       |
| 29                          |       | L?DL_RacInChRq                                                                                                                                                                                                                                              | ChReq_01                                |     |          |
| 30                          |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                                                                                                             | ChReq_01                                |     |          |
| 31                          |       | +gsmOrDcs                                                                                                                                                                                                                                                   |                                         |     |          |

|    |                                                                                       |                                                                                      |     |    |
|----|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----|----|
| 32 | L?DL_EstInPgRes                                                                       | PgRes_r04                                                                            | (P) |    |
| 33 | +PostMainLinkRel(TCV_ch)                                                              |                                                                                      |     |    |
|    | <b>test4</b>                                                                          |                                                                                      |     |    |
| 34 | START T_dly(12000)                                                                    |                                                                                      |     |    |
| 35 | ?TIMEOUT T_dly                                                                        |                                                                                      |     |    |
| 36 | L!DL_UdatRqPg3Rq                                                                      | PgReq3(TCV_PgCh,<br>TCV_Pgg,<br>PgReqTp3_r04)                                        |     | 5. |
| 37 | L?DL_RaclnChRq                                                                        | ChReq_01                                                                             |     |    |
| 38 | L?DL_RaclnChRq (TCV_Rr :=<br>DL_RaclnChRq.msg.ecau_rrf, TCV_Fn :=<br>DL_RaclnChRq.fn) | ChReq_01                                                                             |     |    |
| 39 | +gsmOrDcs                                                                             |                                                                                      |     |    |
| 40 | L?DL_EstInPgRes                                                                       | PgRes_r04                                                                            | (P) |    |
| 41 | +PostMainLinkRel(TCV_ch)                                                              |                                                                                      |     |    |
|    | <b>gsmOrDcs</b>                                                                       |                                                                                      |     |    |
| 42 | [TSPC_PGSM OR TSPC_EGSM]                                                              |                                                                                      |     |    |
| 43 | L!DL_UdatRqImmss                                                                      | ImmAss_r05(TCV_ag<br>ch, TCV_Rr, TCV_Fn,<br>TCV_slot, TCV_tsc,<br>TimingAdv_r01)     |     |    |
| 44 | [TSPC_DCS]                                                                            |                                                                                      |     |    |
| 45 | L!DL_UdatRqImmss                                                                      | ImmAss_r05d(TCV_a<br>gch, TCV_Rr,<br>TCV_Fn, TCV_slot,<br>TCV_tsc,<br>TimingAdv_r01) |     |    |

**Detailed Comments:**

1. To setup three physical channels two as BCCH/CCCH's and one as SDCCH8 channel.
2. Within the paging request message, the 1st MI contains TMSI of the IUT, the 2nd, 3rd and 4th have the TMSIs of another MSs.
3. Within the paging request message, the 2nd MI contains TMSI of the IUT, the 1st, 3rd and 4th have the TMSIs of another MSs.
4. Within the paging request message, the 3rd MI contains TMSI of the IUT, the 1st, 2nd and 4th have the TMSIs of another MSs.
5. Within the paging request message, the 4th MI contains TMSI of the IUT, the 1st, 2nd and 3rd have the TMSIs of another MSs.

| Test Case Dynamic Behaviour |       |                                                                                                                                                                  |                                                |     |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_6_2_2                                                                                                                                                      |                                                |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                              |                                                |     |          |
| <b>Purpose:</b>             |       | To test that the MS is operating in the extended page mode when this is ordered by the SS in either a PAGING REQUEST message or an IMMEDIATE ASSIGNMENT message. |                                                |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                  |                                                |     |          |
| <b>Comments:</b>            |       | The configuration is Max-Retrans = 2, 1 non-combined CCCH/BCCH, BS-AG-BLKS-RES = 7, and BS-PA-MFRMS = 9.                                                         |                                                |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                            | CRef                                           | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                               |                                                |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                             |                                                |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                  |                                                |     |          |
| 4                           |       | (TCV_sacch8 := OC_SubchOfSacch8(TSPX_SDCCH8SubDef, C_CellA, 1))                                                                                                  |                                                |     |          |
| 5                           |       | +PreEnterIdleState_r02(C_Immass, TCV_slot, TCV_tsc, 5, 2, C_S2, C_S4, C_S6, TimingAdv_r01, 0, '111'B, '000'B, '111'B, '00'O)                                     |                                                |     | 1.       |
| 6                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                   |                                                |     |          |
| 7                           |       | +SelectPagingCh(C_CellA)                                                                                                                                         |                                                |     |          |
| 8                           | body  | +test1                                                                                                                                                           |                                                |     |          |
| 9                           |       | +test2                                                                                                                                                           |                                                |     |          |
| 10                          |       | +test3                                                                                                                                                           |                                                |     |          |
| 11                          |       | +test4                                                                                                                                                           |                                                |     |          |
| 12                          |       | +test5                                                                                                                                                           |                                                |     |          |
|                             |       | <b>test1</b>                                                                                                                                                     |                                                |     |          |
| 13                          |       | (TCV_Null := OM_2Msgs(TCV_PgCh, TCV_Pgg, C_NxtButOne))                                                                                                           |                                                |     |          |
| 14                          |       | LIDL_UdatRqPg1Rq                                                                                                                                                 | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_06)         |     |          |
| 15                          |       | LIDL_UdatRqPg1Rq                                                                                                                                                 | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)         |     | 2.       |
| 16                          |       | L?DL_RaInChRq (TCV_Rqr.ra := DL_RaInChRq.msg.ecau_rrf, TCV_Rqr.fn := DL_RaInChRq.fn, TCV_Rqr9 := OC_SaveAndRetrv(TCV_Rqr, C_SAVE, 1, 0))                         | ChReq_02                                       |     |          |
| 17                          |       | L?DL_RaInChRq (TCV_Rqr.ra := DL_RaInChRq.msg.ecau_rrf, TCV_Rqr.fn := DL_RaInChRq.fn, TCV_Rqr9 := OC_SaveAndRetrv(TCV_Rqr, C_SAVE, 2, 0))                         | ChReq_02                                       | (P) |          |
| 18                          |       | LIDL_UdatRqImmassRej                                                                                                                                             | ImmAssRej_03(TCV_agch, TCV_Rqr.ra, TCV_Rqr.fn) |     | 3.       |
|                             |       | <b>test2</b>                                                                                                                                                     |                                                |     |          |
| 19                          |       | START T_dly(5000)                                                                                                                                                |                                                |     |          |
| 20                          |       | ?TIMEOUT T_dly                                                                                                                                                   |                                                |     |          |
| 21                          |       | (TCV_Null := OM_2Msgs(TCV_PgCh, TCV_Pgg, C_NxtButOne), TCV_Rqr9 := OC_SaveAndRetrv(TCV_Rqr, C_RETRV, 1, 1))                                                      |                                                |     |          |
| 22                          |       | +gsmOrDcs                                                                                                                                                        |                                                |     | 4.       |
| 23                          |       | LIDL_UdatRqPg2Rq                                                                                                                                                 | PgReq2(TCV_PgCh, TCV_Pgg, PgReqTp2_04)         |     | 5.       |
| 24                          |       | L?DL_RaInChRq (TCV_Rqr.ra := DL_RaInChRq.msg.ecau_rrf, TCV_Rqr.fn := DL_RaInChRq.fn, TCV_Rqr9 := OC_SaveAndRetrv(TCV_Rqr, C_SAVE, 3, 0))                         | ChReq_02                                       |     |          |
| 25                          |       | L?DL_RaInChRq (TCV_Rqr.ra := DL_RaInChRq.msg.ecau_rrf, TCV_Rqr.fn := DL_RaInChRq.fn, TCV_Rqr9 := OC_SaveAndRetrv(TCV_Rqr, C_SAVE, 3, 0))                         | ChReq_02                                       | (P) |          |



|                 |                                                                                                                                 |                                                                                              |     |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----|
| 26              | OC_SaveAndRetrv(TCV_Rqr, C_SAVE,<br>4, 0))<br>LIDL_UdatRqImmRej                                                                 | ImmAssRej_03(TCV_<br>agch, TCV_Rqr.ra,<br>TCV_Rqr.fn)                                        | 3.  |
| <b>test3</b>    |                                                                                                                                 |                                                                                              |     |
| 27              | START T_dly(5000)                                                                                                               |                                                                                              |     |
| 28              | ?TIMEOUT T_dly                                                                                                                  |                                                                                              |     |
| 29              | (TCV_Null := OM_2Msgs(TCV_PgCh, TCV_Pgg,<br>C_NxtButOne), TCV_Rqr9 :=<br>OC_SaveAndRetrv(TCV_Rqr, C_RETRV, 1, 1))<br>+gsmOrDcs1 |                                                                                              | 6.  |
| 30              |                                                                                                                                 |                                                                                              |     |
| 31              | LIDL_UdatRqPg3Rq                                                                                                                | PgReq3(TCV_PgCh,<br>TCV_Pgg,<br>PgReqTp3_r05)                                                | 7.  |
| 32              | L?DL_RaInChRq                                                                                                                   | ChReq_02                                                                                     |     |
| 33              | L?DL_RaInChRq (TCV_Rqr.ra :=<br>DL_RaInChRq.msg.ecau_rrf,<br>TCV_Rqr.fn := DL_RaInChRq.fn)                                      | ChReq_02                                                                                     | (P) |
| 34              | LIDL_UdatRqImmRej                                                                                                               | ImmAssRej_03(TCV_<br>agch, TCV_Rqr.ra,<br>TCV_Rqr.fn)                                        |     |
| <b>test4</b>    |                                                                                                                                 |                                                                                              |     |
| 35              | START T_dly(5000)                                                                                                               |                                                                                              |     |
| 36              | ?TIMEOUT T_dly                                                                                                                  |                                                                                              |     |
| 37              | (TCV_Null := OM_2Msgs(TCV_PgCh, TCV_Pgg,<br>C_NxtButOne))                                                                       |                                                                                              |     |
| 38              | LIDL_UdatRqPg3Rq                                                                                                                | PgReq3(TCV_PgCh,<br>TCV_Pgg,<br>PgReqTp3_01)                                                 | 8.  |
| 39              | LIDL_UdatRqPg2Rq                                                                                                                | PgReq2(TCV_PgCh,<br>TCV_Pgg,<br>PgReqTp2_r06)                                                | 9.  |
| 40              | L?DL_RaInChRq                                                                                                                   | ChReq_02                                                                                     |     |
| 41              | L?DL_RaInChRq (TCV_Rqr.ra :=<br>DL_RaInChRq.msg.ecau_rrf,<br>TCV_Rqr.fn := DL_RaInChRq.fn)                                      | ChReq_02                                                                                     | (P) |
| 42              | LIDL_UdatRqImmRej                                                                                                               | ImmAssRej_03(TCV_<br>agch, TCV_Rqr.ra,<br>TCV_Rqr.fn)                                        | 3.  |
| <b>test5</b>    |                                                                                                                                 |                                                                                              |     |
| 43              | START T_dly(5000)                                                                                                               |                                                                                              |     |
| 44              | ?TIMEOUT T_dly                                                                                                                  |                                                                                              |     |
| 45              | (TCV_Null := OM_2Msgs(TCV_PgCh, TCV_Pgg,<br>C_NxtButOne))                                                                       |                                                                                              |     |
| 46              | LIDL_UdatRqPg2Rq                                                                                                                | PgReq2(TCV_PgCh,<br>TCV_Pgg,<br>PgReqTp2_02)                                                 | 8.  |
| 47              | LIDL_UdatRqPg1Rq                                                                                                                | PgReq1(TCV_PgCh,<br>TCV_Pgg,<br>PgReqTp1_05)                                                 | 10. |
| 48              | L?DL_RaInChRq                                                                                                                   | ChReq_02                                                                                     |     |
| 49              | L?DL_RaInChRq (TCV_Rqr.ra :=<br>DL_RaInChRq.msg.ecau_rrf,<br>TCV_Rqr.fn := DL_RaInChRq.fn)                                      | ChReq_02                                                                                     | (P) |
| 50              | LIDL_UdatRqImmRej                                                                                                               | ImmAssRej_03(TCV_<br>agch, TCV_Rqr.ra,<br>TCV_Rqr.fn)                                        |     |
| <b>gsmOrDcs</b> |                                                                                                                                 |                                                                                              |     |
| 51              | [TSPC_PGSM OR TSPC_EGSM]                                                                                                        |                                                                                              |     |
| 52              | LIDL_UdatRqImmRej                                                                                                               | ImmAss_03(TCV_agc<br>h, TCV_Rqr9.ra,<br>TCV_Rqr9.fn,<br>TCV_slot, TCV_tsc,<br>TimingAdv_r01) | 4.  |
| 53              | [TSPC_DCS]                                                                                                                      |                                                                                              |     |

|    |                                              |                                                                                   |    |
|----|----------------------------------------------|-----------------------------------------------------------------------------------|----|
| 54 | LIDL_UdatRqImm                               | ImmAss_03d(TCV_agch, TCV_Rqr9.ra, TCV_Rqr9.fn, TCV_slot, TCV_tsc, TimingAdv_r01)  | 4. |
| 55 | <b>gsmOrDcs1</b><br>[TSPC_PGSM OR TSPC_EGSM] |                                                                                   |    |
| 56 | LIDL_UdatRqImm                               | ImmAssX_01(TCV_agch, TCV_Rqr9.ra, TCV_Rqr9.fn, TCV_slot, TCV_tsc, TimingAdv_r02)  | 6. |
| 57 | [TSPC_DCS]                                   |                                                                                   |    |
| 58 | LIDL_UdatRqImm                               | ImmAssX_01d(TCV_agch, TCV_Rqr9.ra, TCV_Rqr9.fn, TCV_slot, TCV_tsc, TimingAdv_r02) | 6. |

**Detailed Comments:**

1. Tx-integer = 5, Max-Retrans = 2 and one BCCH/CCCH, BS-AG-BLKS-RES = 7 and BS-PA-MFRMS = 9.
2. To send PAGING REQUEST TYPE 1 message with normal page mode in the next but one paging subblock on the same CCCH as previous paging message.
3. The page mode = normal paging, wait time = 5 seconds.
4. The page mode = "extended paging", request reference is different from any one already sent by the MS.
5. The page mode = "same as before", address the MS by TMSI, in the next but one paging subblock on the same CCCH.
6. The page mode = "extended paging", request reference is different from any one already sent by the MS.
7. The page mode = "extended paging", address the MS by TMSI, in the next but one paging subblock on the same CCCH.
8. Extended paging, not address the MS.
9. The page mode = "same as before", address the MS with IMSI.
10. normal paging, address the MS by IMSI.

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                      |                                                                                                                                                                                               |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_6_2_3_1                                                                                                                                                                        |                                                                                                                                                                                               |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                  |                                                                                                                                                                                               |   |          |
| <b>Purpose:</b>             |       | To test that the MS correctly determines its new paging subchannel when the CCCH structure is changed from non-combined to combined and when the number of CCCHs is changed.         |                                                                                                                                                                                               |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                      |                                                                                                                                                                                               |   |          |
| <b>Comments:</b>            |       | The configuration is Max-Retrans = 2, 1 non-combined CCCH/BCCH, BS-AG-BLKS-RES and, BS-PA-MFRMS are controlled by PIXIT parameters.                                                  |                                                                                                                                                                                               |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                | CRef                                                                                                                                                                                          | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                   |                                                                                                                                                                                               |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                 |                                                                                                                                                                                               |   |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                      |                                                                                                                                                                                               |   |          |
| 4                           |       | (TCV_sacch8 := OC_SubchOfSacch8(TSPX_SDCCH8SubDef, C_CellA, 1))                                                                                                                      |                                                                                                                                                                                               |   |          |
| 5                           |       | +PreEnterIdleState_r02(C_Immass, TCV_slot, TCV_tsc, 5, 2, C_S2, C_S4, C_S6, TimingAdv_r02, 0, INT_TO_BIT(TSPX_AGBLKS1, 3), '000'B, INT_TO_BIT((TSPX_PAMFRMS1-2), 3), '00'O)          |                                                                                                                                                                                               |   | 1.       |
| 6                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                       |                                                                                                                                                                                               |   |          |
| 7                           |       | +SelectPagingCh(C_CellA)                                                                                                                                                             |                                                                                                                                                                                               |   |          |
| 8                           | body  | +test1                                                                                                                                                                               |                                                                                                                                                                                               |   |          |
| 9                           |       | +test2                                                                                                                                                                               |                                                                                                                                                                                               |   |          |
| 10                          |       | +continue                                                                                                                                                                            |                                                                                                                                                                                               |   |          |
| 11                          |       | <b>continue</b><br>+CombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, C_Immass, TCV_slot, TCV_tsc, TimingAdv_r02, INT_TO_BIT(TSPX_AGBLKS1, 3), '001'B, INT_TO_BIT((TSPX_PAMFRMS1-2),3)) |                                                                                                                                                                                               |   |          |
| 12                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                             |                                                                                                                                                                                               |   |          |
| 13                          |       | LIDL_UdatRqSysinfo3                                                                                                                                                                  | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, CntrlChDscrp(0, '010'B, '001'B, '111'B, '00'O), CellOpt_01, C_CellReselectHys0, C_MaxPwrLvlG, '0'B, '00'B, '0010'B, C_noRestablishment) |   |          |
| 14                          |       | +test3                                                                                                                                                                               |                                                                                                                                                                                               |   |          |
| 15                          |       | +secondexec                                                                                                                                                                          |                                                                                                                                                                                               |   |          |
| 16                          |       | [TSPC_DCS]                                                                                                                                                                           |                                                                                                                                                                                               |   |          |
| 17                          |       | LIDL_UdatRqSysinfo3                                                                                                                                                                  | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, CntrlChDscrp(0, '010'B, '001'B, '111'B, '00'O), CellOpt_01, C_CellReselectHys0, C_MaxPwrLvlD, '0'B, '00'B, '0010'B, C_noRestablishment) |   |          |
| 18                          |       | +CCCH_group_Paging_group(CntrlChDscrp(0, '010'B, '001'B, '111'B, '00'O), TSPX_IMSI)                                                                                                  |                                                                                                                                                                                               |   |          |
| 19                          |       | +SelectPagingCh(C_CellA)                                                                                                                                                             |                                                                                                                                                                                               |   |          |
| 20                          |       | +test3                                                                                                                                                                               |                                                                                                                                                                                               |   |          |
| 21                          |       | +secondexec                                                                                                                                                                          |                                                                                                                                                                                               |   |          |
| 22                          |       | <b>secondexec</b><br>(TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                            |                                                                                                                                                                                               |   |          |
| 23                          |       | +PreEnterIdleState_r02(C_Immass, TCV_slot,                                                                                                                                           |                                                                                                                                                                                               |   | 1.       |

|    |                                                                                                                                                                                         |                                                                                                                                                                                                                              |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 24 | TCV_tsc, 5, 2, C_S2, C_S4, C_S6, TimingAdv_r02,<br>0, INT_TO_BIT(TSPX_AGBLKS1, 3), '000'B,<br>INT_TO_BIT((TSPX_PAMFRMS1-2), 3), '00'O)                                                  |                                                                                                                                                                                                                              |
| 25 | +CCCH_group_Paging_group(CntrlChDscrp(0,<br>INT_TO_BIT(TSPX_AGBLKS1, 3), '000'B,<br>INT_TO_BIT((TSPX_PAMFRMS1-2), 3), '00'O),<br>TSPX_IMSI)                                             |                                                                                                                                                                                                                              |
| 26 | +SelectPagingCh(C_CellA)                                                                                                                                                                |                                                                                                                                                                                                                              |
| 27 | +test1                                                                                                                                                                                  |                                                                                                                                                                                                                              |
| 28 | +test2<br>+continue2                                                                                                                                                                    |                                                                                                                                                                                                                              |
| 29 | <b>continue2</b>                                                                                                                                                                        |                                                                                                                                                                                                                              |
| 30 | (TCV_slot := C_S2, TCV_tsc := C_BCC)<br>+NonCombinedBCCH_A_2(C_Immass,TCV_slot,<br>TCV_tsc, TimingAdv_r02,<br>INT_TO_BIT(TSPX_AGBLKS1, 3), '010'B,<br>INT_TO_BIT((TSPX_PAMFRMS1-2), 3)) |                                                                                                                                                                                                                              |
| 31 | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                |                                                                                                                                                                                                                              |
| 32 | LIDL_UdatRqSysinfo3                                                                                                                                                                     | SysInfo3(C_BCCH_A<br>_1, C_ci_cellA,<br>C_PLMN_1,<br>C_lacellA,<br>CntrlChDscrp(0,<br>'010'B, '010'B, '111'B,<br>'00'O), CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvIG, '0'B,<br>'00'B, '0010'B,<br>C_noRestablishment) |
| 33 | LIDL_UdatRqSysinfo3                                                                                                                                                                     | SysInfo3(C_BCCH_A<br>_2, C_ci_cellA,<br>C_PLMN_1,<br>C_lacellA,<br>CntrlChDscrp(0,<br>'010'B, '010'B, '111'B,<br>'00'O), CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvIG, '0'B,<br>'00'B, '0010'B,<br>C_noRestablishment) |
| 34 | +test3                                                                                                                                                                                  |                                                                                                                                                                                                                              |
| 35 | [TSPC_DCS]                                                                                                                                                                              |                                                                                                                                                                                                                              |
| 36 | LIDL_UdatRqSysinfo3                                                                                                                                                                     | SysInfo3(C_BCCH_A<br>_1, C_ci_cellA,<br>C_PLMN_1,<br>C_lacellA,<br>CntrlChDscrp(0,<br>'010'B, '010'B, '111'B,<br>'00'O), CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvID, '0'B,<br>'00'B, '0010'B,<br>C_noRestablishment) |
| 37 | LIDL_UdatRqSysinfo3                                                                                                                                                                     | SysInfo3(C_BCCH_A<br>_2, C_ci_cellA,<br>C_PLMN_1,<br>C_lacellA,<br>CntrlChDscrp(0,<br>'010'B, '010'B, '111'B,<br>'00'O), CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvID, '0'B,<br>'00'B, '0010'B,<br>C_noRestablishment) |
| 38 | +CCCH_group_Paging_group(CntrlChDscrp(0, '010'B, '010'B, '111'B, '00'O),<br>TSPX_IMSI)                                                                                                  |                                                                                                                                                                                                                              |
| 39 | +SelectPagingCh(C_CellA)                                                                                                                                                                |                                                                                                                                                                                                                              |
| 40 | +test3                                                                                                                                                                                  |                                                                                                                                                                                                                              |
| 41 | <b>test1</b><br>(TCV_Null := OM_2Msgs(TCV_PgCh, TCV_Pgg,<br>C_BfReOcc))                                                                                                                 |                                                                                                                                                                                                                              |

|                 |                                                                                                |                                                                      |     |    |
|-----------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-----|----|
| 42              | +GsmOrDcs                                                                                      |                                                                      |     |    |
| 43              | LIDL_UdatRqPg2Rq                                                                               | PgReq2(TCV_PgCh,<br>TCV_Pgg,<br>PgReqTp2_01)                         |     | 3. |
| 44              | L?DL_RaInChRq                                                                                  | ChReq_02                                                             |     |    |
| 45              | L?DL_RaInChRq (TCV_Rqr.ra :=<br>DL_RaInChRq.msg.ecau_rrf, TCV_Rqr.fn<br>:= DL_RaInChRq.fn)     | ChReq_02                                                             | (P) |    |
| 46              | LIDL_UdatRqImmRej                                                                              | ImmAssRej_01(TCV_<br>agch, TCV_Rqr.ra,<br>TCV_Rqr.fn)                |     |    |
| <b>test2</b>    |                                                                                                |                                                                      |     |    |
| 47              | (TCV_Null := OM_PgFill(C_CellA, PgReqTp1Reorg))                                                |                                                                      |     |    |
| 48              | START T_dly(5000)                                                                              |                                                                      |     |    |
| 49              | ?TIMEOUT T_dly                                                                                 |                                                                      |     |    |
| 50              | LIDL_UdatRqPg2Rq                                                                               | PgReq2(TCV_PgCh,<br>INT_TO_BIT(<br>TSPX_PgSubch, 8),<br>PgReqTp2_03) |     | 4. |
| 51              | L?DL_RaInChRq                                                                                  | ChReq_02                                                             |     |    |
| 52              | L?DL_RaInChRq (TCV_Rqr.ra :=<br>DL_RaInChRq.msg.ecau_rrf, TCV_Rqr.fn<br>:= DL_RaInChRq.fn)     | ChReq_02                                                             | (P) |    |
| 53              | LIDL_UdatRqImmRej                                                                              | ImmAssRej_01(TCV_<br>agch, TCV_Rqr.ra,<br>TCV_Rqr.fn)                |     |    |
| <b>test3</b>    |                                                                                                |                                                                      |     |    |
| 54              | (TCV_Null := OM_PgFill(C_CellA, PgReqTp1Norm))                                                 |                                                                      |     |    |
| 55              | START T_dly(5000)                                                                              |                                                                      |     |    |
| 56              | ?TIMEOUT T_dly                                                                                 |                                                                      |     |    |
| 57              | LIDL_UdatRqPg1Rq                                                                               | PgReq1(TCV_PgCh,<br>TCV_Pgg,<br>PgReqTp1_01)                         |     | 5. |
| 58              | L?DL_RaInChRq                                                                                  | ChReq_02                                                             |     |    |
| 59              | L?DL_RaInChRq (TCV_Rqr.ra :=<br>DL_RaInChRq.msg.ecau_rrf, TCV_Rqr.fn<br>:= DL_RaInChRq.fn)     | ChReq_02                                                             | (P) |    |
| 60              | LIDL_UdatRqImmRej                                                                              | ImmAssRej_01(TCV_<br>agch, TCV_Rqr.ra,<br>TCV_Rqr.fn)                |     |    |
| 61              | START T_dly(5000)                                                                              |                                                                      |     |    |
| 62              | ?TIMEOUT T_dly                                                                                 |                                                                      |     |    |
| 63              | LIDL_UdatRqPg2Rq                                                                               | PgReq2(TCV_PgCh,<br>TCV_Pgg,<br>PgReqTp2_01)                         |     | 5. |
| 64              | L?DL_RaInChRq                                                                                  | ChReq_02                                                             |     |    |
| 65              | L?DL_RaInChRq (TCV_Rqr.ra :=<br>DL_RaInChRq.<br>msg.ecau_rrf, TCV_Rqr.fn :=<br>DL_RaInChRq.fn) | ChReq_02                                                             | (P) |    |
| 66              | LIDL_UdatRqImmRej                                                                              | ImmAssRej_01(TCV_<br>agch, TCV_Rqr.ra,<br>TCV_Rqr.fn)                |     |    |
| <b>GsmOrDcs</b> |                                                                                                |                                                                      |     |    |
| 67              | [TSPC_PGSM OR TSPC_EGSM]                                                                       |                                                                      |     |    |
| 68              | LIDL_UdatRqImmRej                                                                              | ImmAssX_03(TCV_a<br>gch, TCV_slot,<br>TCV_tsc,<br>TimingAdv_r02)     |     | 2. |
| 69              | [TSPC_DCS]                                                                                     |                                                                      |     |    |
| 70              | LIDL_UdatRqImmRej                                                                              | ImmAssX_03d(TCV_<br>agch, TCV_slot,<br>TCV_tsc,<br>TimingAdv_r02)    |     | 2. |

**Detailed Comments:**

1. Tx-integer = 5, Max-Retrans = 2 and CCCH-CONF = "1 basic physical channel used for CCCH not combined with SDCCHs", BS-AG-BLKS-RES and BS-PA-MFRMS are from PIXIT.

2. Page mode = "paging reorganisation", not address the MS.
3. Paging mode = "normal", address the MS by TMSI.
4. Page mode = "paging reorganisation", address the MS.
5. Paging mode = "normal", address the MS by TMSI.

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                     |                                                         |     |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_6_2_3_2                                                                                                                                                                       |                                                         |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                 |                                                         |     |          |
| <b>Purpose:</b>             |       | To test that the MS is operating in the "paging reorganisation" page mode when this is ordered by the SS and the MS is paged in its former access grant channel.                    |                                                         |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                     |                                                         |     |          |
| <b>Comments:</b>            |       | The configuration is Max-Retrans = 1, CCCH-CONF, BS-AG-BLKS-RES and BS-PA-MFRMS are controlled by PIXIT parameters with the constraint that BS-AG-BLKS-RES > 0.                     |                                                         |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                               | CRef                                                    | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                  |                                                         |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                |                                                         |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                     |                                                         |     |          |
| 4                           |       | (TCV_sacch8 := OC_SubchOfSacch8(TSPX_SDCCH8SubDef, C_CellA, 1), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                          |                                                         |     |          |
| 5                           |       | +PreEnterIdleState_r02(C_Immass, TCV_slot, TCV_tsc, 5, 1, C_S2, C_S4, C_S6, TimingAdv_r02, 0, INT_TO_BIT(TSPX_AGBLKS2, 3), TSPX_CcchConf2, INT_TO_BIT((TSPX_PAMFRMS2-2), 3), '00'O) |                                                         | 1.  |          |
| 6                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                      |                                                         |     |          |
| 7                           |       | +SelectPagingCh(C_CellA)                                                                                                                                                            |                                                         |     |          |
| 8                           | body  | (TCV_Null := OM_2Msgs(TCV_PgCh, TCV_Pgg, C_FmrAGB))                                                                                                                                 |                                                         |     |          |
| 9                           |       | [TSPX_CcchConf2='000'B]                                                                                                                                                             |                                                         |     |          |
| 10                          |       | +gsmOrDcs1                                                                                                                                                                          |                                                         |     |          |
| 11                          |       | +localtree                                                                                                                                                                          |                                                         |     |          |
| 12                          |       | [TSPX_CcchConf2='001'B]                                                                                                                                                             |                                                         |     |          |
| 13                          |       | +gsmOrDcs                                                                                                                                                                           |                                                         |     |          |
| 14                          |       | +localtree                                                                                                                                                                          |                                                         |     |          |
| 15                          |       | [TSPX_CcchConf2='??1'B]                                                                                                                                                             |                                                         |     |          |
| 16                          |       | +gsmOrDcs1                                                                                                                                                                          |                                                         |     |          |
| 17                          |       | +localtree                                                                                                                                                                          |                                                         |     |          |
| 18                          |       | <b>localtree</b><br>L!DL_UdatRqPg2Rq                                                                                                                                                | PgReq2(TCV_agch, TCV_Pgg, PgReqTp2_01)                  |     | 3.       |
| 19                          |       | L?DL_RaInChRq                                                                                                                                                                       | ChReq_02                                                |     |          |
| 20                          |       | L?DL_RaInChRq (TCV_Rqr.ra := DL_RaInChRq.msg.ecau_rrf, TCV_Rqr.fn := DL_RaInChRq.fn)                                                                                                | ChReq_02                                                | (P) |          |
| 21                          |       | LIDL_UdatRqImmassRej                                                                                                                                                                | ImmAssRej_01(TCV_agch, TCV_Rqr.ra, TCV_Rqr.fn)          |     |          |
| 22                          |       | <b>gsmOrDcs</b><br>[TSPC_PGSM OR TSPC_EGSM]                                                                                                                                         |                                                         |     |          |
| 23                          |       | L!DL_UdatRqImmassx                                                                                                                                                                  | ImmAssX_02(TCV_agch, TCV_slot, TCV_tsc, TimingAdv_r02)  |     | 2.       |
| 24                          |       | [TSPC_DCS]                                                                                                                                                                          |                                                         |     |          |
| 25                          |       | L!DL_UdatRqImmassx                                                                                                                                                                  | ImmAssX_02d(TCV_agch, TCV_slot, TCV_tsc, TimingAdv_r02) |     | 2.       |
| 26                          |       | <b>gsmOrDcs1</b><br>[TSPC_PGSM OR TSPC_EGSM]                                                                                                                                        |                                                         |     |          |
| 27                          |       | L!DL_UdatRqImmassx                                                                                                                                                                  | ImmAssX_04(TCV_agch, TCV_slot, TCV_tsc,                 |     | 2.       |

|                                                                                                                                                                                                                                                                                    |  |                                 |                                                                                         |  |    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------|-----------------------------------------------------------------------------------------|--|----|
| 28<br>29                                                                                                                                                                                                                                                                           |  | [TSPC_DCS]<br>LIDL_UdatRqImmssx | TimingAdv_r02)<br><br>ImmAssX_04d(TCV_<br>agch, TCV_slot,<br>TCV_tsc,<br>TimingAdv_r02) |  | 2. |
| <b>Detailed Comments:</b> <ol style="list-style-type: none"> <li>1. Tx-integer = 5, Max-Retrans = 1 and CCCH-CONF, BS-AG-BLKS-RES and BS-PA-MFRMS are controlled by PIXIT parameters.</li> <li>2. paging reorganisation.</li> <li>3. send in former access grant block.</li> </ol> |  |                                 |                                                                                         |  |    |



| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                |     |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_6_2_4                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                |     |          |
| <b>Purpose:</b>             |       | To test that the MS remembers the page mode from the previous paging request message.                                                                                                                                                                                                                                                                                                                                                                                                 |                                                |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                |     |          |
| <b>Comments:</b>            |       | The configuration is Tx-integer = 5, Max-Retrans = 2 and CCCH-CONF, BS-AG-BLKS-RES and BS-PA-MFRMS are from PIXIT parameters.                                                                                                                                                                                                                                                                                                                                                         |                                                |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | CRef                                           | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Imm, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                          |                                                |     |          |
| 4                           |       | (TCV_sacch8 := OC_SubchOfSacch8(TSPX_SDCCH8SubDef, C_CellA, 1), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                                                                                                                                                                                                                                                                            |                                                |     |          |
| 5                           |       | +PreEnterIdleState_r02(C_Imm, TCV_slot, TCV_tsc, 5, 2, C_S2, C_S4, C_S6, TimingAdv_r01, 0, INT_TO_BIT(TSPX_AGBLKS3, 3), TSPX_CchConf3, INT_TO_BIT((TSPX_PAMFRMS3-2), 3), '00'O)                                                                                                                                                                                                                                                                                                       |                                                | 1.  |          |
| 6                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                |     |          |
| 7                           |       | +SelectPagingCh(C_CellA)                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                |     |          |
| 8                           | body  | (TCV_Null := OM_2Msgs(TCV_PgCh, TCV_Pgg, C_NxtButOne))                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                |     |          |
| 9                           |       | LIDL_UdatRqImmRej                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ImmAssRej_r04(TCV_agch)                        |     | 2.       |
| 10                          |       | LIDL_UdatRqPg3Rq                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PgReq3(TCV_PgCh, TCV_Pgg, PgReqTp3_03)         |     | 3.       |
| 11                          |       | (TCV_Null := OM_2Msgs(TCV_PgCh, TCV_Pgg, C_NxtButOne))                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                |     |          |
| 12                          |       | LIDL_UdatRqPg3Rq                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PgReq3(TCV_PgCh, TCV_Pgg, PgReqTp3_02)         |     | 4.       |
| 13                          |       | LIDL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_07)         |     | 5.       |
| 14                          |       | L?DL_RacInChRq                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ChReq_01                                       |     |          |
| 15                          |       | L?DL_RacInChRq (TCV_Rqr.ra := DL_RacInChRq.msg.ecau_rrf, TCV_Rqr.fn := DL_RacInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                               | ChReq_01                                       | (P) |          |
| 16                          |       | LIDL_UdatRqImmRej                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ImmAssRej_01(TCV_agch, TCV_Rqr.ra, TCV_Rqr.fn) |     |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. Tx-integer = 5, Max-Retrans = 2 and CCCH-CONF, BS-AG-BLKS-RES and BS-PA-MFRMS are from PIXIT parameters.</li> <li>2. extended paging mode.</li> <li>3. not address the MS.</li> <li>4. paging mode = "same as before", not address the MS, sent in the next paging subblock on the MS's specific paging subchannel.</li> <li>5. paging mode = "paging reorganisation", address the MS, sent in the next but one paging subblock.</li> </ol> |                                                |     |          |

| Test Case Dynamic Behaviour                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |                                                                                                                                                                                     |                                                                        |     |                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-----|------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> TC_26_6_2_5                                                                                                                                                                                                                                                                                                                                                                                                                                |       |                                                                                                                                                                                     |                                                                        |     |                                                                                          |
| <b>Group:</b> GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |                                                                                                                                                                                     |                                                                        |     |                                                                                          |
| <b>Purpose:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |                                                                                                                                                                                     |                                                                        |     |                                                                                          |
| 1) To test that the MS is able to determine its CCCH group and paging group correctly in the case of a CCCH configuration on more than one timeslot when it is paged on a timeslot other than 0. The MS is addressed with a PAGING REQUEST TYPE 1 message when the page mode is set to normal paging. The MS is paged with its IMSI in the 1st Mobile Identity field, the optional Mobile Identity field being not present, is the only way of addressing tested. |       |                                                                                                                                                                                     |                                                                        |     |                                                                                          |
| 2) To test that in such conditions the MS answers to the paging message on the timeslot on which the paging message was sent.                                                                                                                                                                                                                                                                                                                                     |       |                                                                                                                                                                                     |                                                                        |     |                                                                                          |
| <b>Default:</b> OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |                                                                                                                                                                                     |                                                                        |     |                                                                                          |
| <b>Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       |                                                                                                                                                                                     |                                                                        |     |                                                                                          |
| The configuration is Tx-integer = 5, Max-Retrans = 1 and CCCH-CONF, BS-AG-BLKS-RES and BS-PA-MFRMS are from PIXIT parameters.                                                                                                                                                                                                                                                                                                                                     |       |                                                                                                                                                                                     |                                                                        |     |                                                                                          |
| In the PIXITs CCCH-CONF is set to 3, BS-AG-BLKS-RES = 2 and BS-PA-MFRMS = 3.                                                                                                                                                                                                                                                                                                                                                                                      |       |                                                                                                                                                                                     |                                                                        |     |                                                                                          |
| For this test to be useful, we need                                                                                                                                                                                                                                                                                                                                                                                                                               |       |                                                                                                                                                                                     |                                                                        |     |                                                                                          |
| (((IMSI mod 10000) mod (cc * (9 - bsagres) * bspamfrms)) > (9 - bsagres) * bspamfrms)                                                                                                                                                                                                                                                                                                                                                                             |       |                                                                                                                                                                                     |                                                                        |     |                                                                                          |
| ie. ((IMSI mod 1000) mod 3*7*9) > 7*9                                                                                                                                                                                                                                                                                                                                                                                                                             |       |                                                                                                                                                                                     |                                                                        |     |                                                                                          |
| thus if the last 3 digits of the IMSI are 065 then this test will work.                                                                                                                                                                                                                                                                                                                                                                                           |       |                                                                                                                                                                                     |                                                                        |     |                                                                                          |
| When the CCCHs that are not on timeslot zero are set, the SYNC channel must not be started on them. The SYNC channel is used by mobiles to identify TS zero. (the FCCH is supposed to be excluded as well)                                                                                                                                                                                                                                                        |       |                                                                                                                                                                                     |                                                                        |     |                                                                                          |
| Nr                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Label | Behaviour Description                                                                                                                                                               | CRef                                                                   | V   | Comments                                                                                 |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | START T_guard(300)                                                                                                                                                                  |                                                                        |     |                                                                                          |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | +CCCH_group_Paging_group(CntrlChDscrp(0, INT_TO_BIT(TSPX_AGBLKS4, 3), TSPX_CcchConf4, INT_TO_BIT((TSPX_PAMFRMS4-2), 3), '00'O), TSPX_IMSI)                                          |                                                                        |     |                                                                                          |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                |                                                                        |     |                                                                                          |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                     |                                                                        |     |                                                                                          |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | (TCV_ch := OC_SubchOfSdcch8(TSPX_SDCCH8SubF, C_CellA, 1), TCV_sacch8 := OC_SubchOfSacch8(TSPX_SDCCH8SubF, C_CellA, 1), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))   |                                                                        |     | Must use a carefully chosen IMSI here, so that the mobile's CCCH group is not on TS zero |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | +PreEnterIdleState_r07(C_Immass, TCV_slot, TCV_tsc, 5, 1, C_S2, C_S4, C_S6, TimingAdv_r01, 0, INT_TO_BIT(TSPX_AGBLKS4, 3), TSPX_CcchConf4, INT_TO_BIT((TSPX_PAMFRMS4-2), 3), '00'O) |                                                                        |     | 1.                                                                                       |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | +SelectPagingCh(C_CellA)                                                                                                                                                            |                                                                        |     |                                                                                          |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | body  | LIDL_UdatRqPg1Rq                                                                                                                                                                    | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_05)                                 |     | 2.                                                                                       |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | L?DL_RaInChRq (TCV_Rqr.ra := DL_RaInChRq.msg.ecau_rrf, TCV_Rqr.fn := DL_RaInChRq.fn)                                                                                                | ChReq_16(TCV_PgCh)                                                     |     | 3.                                                                                       |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                        |                                                                        |     | To match ChReq retrans.                                                                  |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       | +gsmOrDcs                                                                                                                                                                           |                                                                        |     |                                                                                          |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       | L?DL_EstInPgRes                                                                                                                                                                     | PgRes_r03                                                              | (P) |                                                                                          |
| 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       | ACTIVATE(OtherEventsFail)                                                                                                                                                           |                                                                        |     | Restore Normal default                                                                   |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                            |                                                                        |     |                                                                                          |
| 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       | <b>gsmOrDcs</b>                                                                                                                                                                     |                                                                        |     |                                                                                          |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                            |                                                                        |     |                                                                                          |
| 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       | LIDL_UdatRqImmass                                                                                                                                                                   | ImmAss_r06(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_r01) |     |                                                                                          |
| 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       | [TSPC_DCS]                                                                                                                                                                          |                                                                        |     |                                                                                          |
| 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       | LIDL_UdatRqImmass                                                                                                                                                                   | ImmAss_r06d(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc,               |     |                                                                                          |

TimingAdv\_r01)

**Detailed Comments:**

1. Tx-integer = 5, Max-Retrans = 1 CCCH-CONF, BS-AG-BLKS-RES and BS-PA-MFRMS are from PIXIT parameters.
2. The first mobile identifier addresses the MS, the 2nd is omitted.
3. To assign TSPX\_SDCCH8SubF subchannel.

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                          |                                           |     |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_6_3_1                                                                                                                                                                                                                                                                              |                                           |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                      |                                           |     |          |
| <b>Purpose:</b>             |       | To test that, when the SS gives absolutely no information about neighbouring cells, the MS does not report on neighbouring cells..                                                                                                                                                       |                                           |     |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                       |                                           |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                    | CRef                                      | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                       |                                           |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                     |                                           |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                          |                                           |     |          |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubA, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubA, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef)) |                                           |     |          |
| 5                           |       | +StartMultiCells_02(BcchFreqLst_20, BcchFreqLst_20, C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                         |                                           |     | 1.       |
| 6                           |       | (TCV_Null := OM_CphMd(TCV_chTch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                                                 |                                           |     |          |
| 7                           |       | +PreEnterCCstateU10_r03(TimingAdv_r01)                                                                                                                                                                                                                                                   |                                           |     |          |
| 8                           | body  | (TCV_Null := OM_StartMsrReport(TCV_sacchTch))                                                                                                                                                                                                                                            |                                           |     |          |
| 9                           |       | L?DL_UdatInMsrRpt                                                                                                                                                                                                                                                                        | MsrRept_01                                | (P) |          |
| 10                          |       | START T_dly1(960)                                                                                                                                                                                                                                                                        |                                           |     | 960 ms   |
| 11                          |       | ?TIMEOUT T_dly1                                                                                                                                                                                                                                                                          |                                           | (F) | 2.       |
| 12                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                              |                                           |     |          |
| 13                          |       | L?DL_UdatInMsrRpt                                                                                                                                                                                                                                                                        | MsrRept_01                                | (P) |          |
| 14                          |       | (TCV_Null := OM_StopMsrReport(TCV_sacchTch))                                                                                                                                                                                                                                             |                                           |     |          |
| 15                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                              |                                           |     |          |
| 16                          |       | +execution2                                                                                                                                                                                                                                                                              |                                           |     |          |
|                             |       | <b>execution2</b>                                                                                                                                                                                                                                                                        |                                           |     |          |
| 17                          |       | +gsmOrDcs                                                                                                                                                                                                                                                                                |                                           |     | 1.       |
| 18                          |       | +PreEnterCCstateU10_r03(TimingAdv_r01)                                                                                                                                                                                                                                                   |                                           |     |          |
| 19                          |       | (TCV_Null := OM_StartMsrReport(TCV_sacchTch))                                                                                                                                                                                                                                            |                                           |     |          |
| 20                          |       | L?DL_UdatInMsrRpt                                                                                                                                                                                                                                                                        | MsrRept_01                                |     |          |
| 21                          |       | START T_dly1(960)                                                                                                                                                                                                                                                                        |                                           |     | 960 ms   |
| 22                          |       | ?TIMEOUT T_dly1                                                                                                                                                                                                                                                                          |                                           | (F) | 2.       |
| 23                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                              |                                           |     |          |
| 24                          |       | L?DL_UdatInMsrRpt                                                                                                                                                                                                                                                                        | MsrRept_01                                | (P) |          |
| 25                          |       | (TCV_Null := OM_StopMsrReport(TCV_sacchTch))                                                                                                                                                                                                                                             |                                           |     |          |
| 26                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                              |                                           |     |          |
|                             |       | <b>gsmOrDcs</b>                                                                                                                                                                                                                                                                          |                                           |     |          |
| 27                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                 |                                           |     |          |
| 28                          |       | LIDL_UdatRqSysinfo5                                                                                                                                                                                                                                                                      | SysInfo5_01(TCV_sacch, BcchFreqLst_24)    |     |          |
| 29                          |       | LIDL_UdatRqSysinfo5bis                                                                                                                                                                                                                                                                   | SysInfo5bis_01(TCV_sacch, BcchFreqLst_26) |     |          |
| 30                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                               |                                           |     |          |
| 31                          |       | LIDL_UdatRqSysinfo5                                                                                                                                                                                                                                                                      | SysInfo5_01(TCV_sacch, BcchFreqLst_25)    |     |          |
| 32                          |       | LIDL_UdatRqSysinfo5bis                                                                                                                                                                                                                                                                   | SysInfo5bis_01(TCV_sacch,                 |     |          |

|                                                                                                                                                                                                              |  |                                                                |                                                                                                    |  |  |
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| 33                                                                                                                                                                                                           |  | LIDL_UdatRqSysinfo6<br>(DL_UdatRqSysinfo6.msg.co.pwrc := '1'B) | BchFreqLst_25)<br>SysInfo6_01(TCV_sa<br>cch, C_ci_cellA,<br>C_PLMN_1,<br>C_lacellA,<br>CellOpt_01) |  |  |
| <b>Detailed Comments:</b><br>1. No channels listed in the neighbour cells description.<br>2. The interval between 2 successive layer 2 frames containing MEASUREMENT REPORT exceeds one layer 2 frame, fail. |  |                                                                |                                                                                                    |  |  |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                          |            |     |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_6_3_2                                                                                                                                                                                                                                                                              |            |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                      |            |     |          |
| <b>Purpose:</b>             |       | To test that, when the SS gives information about neighbouring cells, the MS reports appropriate results.                                                                                                                                                                                |            |     |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                       |            |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                    | CRef       | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                       |            |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                     |            |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                          |            |     |          |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubA, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubA, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef)) |            |     |          |
| 5                           |       | +StartMultiCells_02(BcchFreqLst_21, BcchFreqLst_27, C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, TimingAdv_r01, 0, '000'B, '000'B, '011'B, '00'O)                                                                                                                                         |            |     |          |
| 6                           |       | (TCV_Null := OM_CphMd(TCV_chTch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                                                 |            |     |          |
| 7                           | body  | +PreEnterCCstateU10_r03(TimingAdv_r01)                                                                                                                                                                                                                                                   |            |     |          |
| 8                           |       | (TCV_Null := OM_StartMsrReport(TCV_sacchTch))                                                                                                                                                                                                                                            |            |     |          |
| 9                           |       | L?DL_UdatInMsrRpt (TCV_MsrRes := DL_UdatInMsrRpt.msg.msrr)                                                                                                                                                                                                                               | MsrRept_03 |     |          |
| 10                          |       | +gsmOrDcs1(1, 2)                                                                                                                                                                                                                                                                         |            |     |          |
| 11                          |       | START T_dly1(960)                                                                                                                                                                                                                                                                        |            |     | 960 ms   |
| 12                          |       | ?TIMEOUT T_dly1                                                                                                                                                                                                                                                                          |            | (F) | 1.       |
| 13                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                              |            |     |          |
| 14                          |       | L?DL_UdatInMsrRpt (TCV_MsrRes := DL_UdatInMsrRpt.msg.msrr)                                                                                                                                                                                                                               | MsrRept_03 |     |          |
| 15                          |       | +gsmOrDcs1(1, 2)                                                                                                                                                                                                                                                                         |            |     |          |
| 16                          |       | (TCV_Null := OM_StopMsrReport(TCV_sacchTch))                                                                                                                                                                                                                                             |            |     |          |
| 17                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                              |            |     |          |
| 18                          |       | +execution2                                                                                                                                                                                                                                                                              |            |     |          |
| 19                          |       | <b>execution2</b>                                                                                                                                                                                                                                                                        |            |     |          |
| 20                          |       | +gsmOrDcs                                                                                                                                                                                                                                                                                |            |     | 1.       |
| 21                          |       | +PreEnterCCstateU10_r03(TimingAdv_r01)                                                                                                                                                                                                                                                   |            |     |          |
| 22                          |       | (TCV_Null := OM_StartMsrReport(TCV_sacchTch))                                                                                                                                                                                                                                            |            |     |          |
| 23                          |       | L?DL_UdatInMsrRpt (TCV_MsrRes := DL_UdatInMsrRpt.msg.msrr)                                                                                                                                                                                                                               | MsrRept_03 |     |          |
| 24                          |       | +gsmOrDcs1(1, 3)                                                                                                                                                                                                                                                                         |            |     |          |
| 25                          |       | START T_dly1(960)                                                                                                                                                                                                                                                                        |            |     | 960 ms   |
| 26                          |       | ?TIMEOUT T_dly1                                                                                                                                                                                                                                                                          |            | (F) | 1.       |
| 27                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                              |            |     |          |
| 28                          |       | L?DL_UdatInMsrRpt (TCV_MsrRes := DL_UdatInMsrRpt.msg.msrr)                                                                                                                                                                                                                               | MsrRept_03 |     |          |
| 29                          |       | +gsmOrDcs1(1, 3)                                                                                                                                                                                                                                                                         |            |     |          |
| 30                          |       | (TCV_Null := OM_StopMsrReport(TCV_sacchTch))                                                                                                                                                                                                                                             |            |     |          |
| 31                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                              |            |     |          |
| 31                          |       | <b>gsmOrDcs</b><br>[TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                              |            |     |          |

|                                                                                                                    |                                                                |                                                                     |     |
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| 32                                                                                                                 | LIDL_UdatRqSysinfo5                                            | SysInfo5_01(TCV_sacch, BcchFreqLst_28)                              |     |
| 33                                                                                                                 | LIDL_UdatRqSysinfo5bis                                         | SysInfo5bis_01(TCV_sacch, BcchFreqLst_30)                           |     |
| 34                                                                                                                 | [TSPC_DCS]                                                     |                                                                     |     |
| 35                                                                                                                 | LIDL_UdatRqSysinfo5                                            | SysInfo5_01(TCV_sacch, BcchFreqLst_29)                              |     |
| 36                                                                                                                 | LIDL_UdatRqSysinfo5bis                                         | SysInfo5bis_01(TCV_sacch, BcchFreqLst_31)                           |     |
| 37                                                                                                                 | LIDL_UdatRqSysinfo6<br>(DL_UdatRqSysinfo6.msg.co.pwrc := '1'B) | SysInfo6_01(TCV_sacch, C_ci_cellA, C_PLMN_1, C_lacellA, CellOpt_01) |     |
|                                                                                                                    | <b>gsmOrDcs1(in1, in2:INTEGER)</b>                             |                                                                     |     |
| 38                                                                                                                 | [TSPC_PGSM OR TSPC_EGSM]                                       |                                                                     |     |
| 39                                                                                                                 | (TCV_Res := OC_MsrReptChk(TCV_MsrRes, in1))                    |                                                                     |     |
| 40                                                                                                                 | [TCV_Res = FALSE]                                              |                                                                     | (F) |
| 41                                                                                                                 | [TCV_Res = TRUE]                                               |                                                                     | (P) |
| 42                                                                                                                 | [TSPC_DCS]                                                     |                                                                     |     |
| 43                                                                                                                 | (TCV_Res := OC_MsrReptChk(TCV_MsrRes, in2))                    |                                                                     |     |
| 44                                                                                                                 | [TCV_Res = FALSE]                                              |                                                                     | (F) |
| 45                                                                                                                 | [TCV_Res = TRUE]                                               |                                                                     | (P) |
| <b>Detailed Comments:</b>                                                                                          |                                                                |                                                                     |     |
| 1. The interval between 2 successive layer 2 frames containing MEASUREMENT REPORT exceeds one layer 2 frame, fail. |                                                                |                                                                     |     |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                          |            |     |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_6_3_3                                                                                                                                                                                                                                                                              |            |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                      |            |     |          |
| <b>Purpose:</b>             |       | To test that, when a combination of normal neighbours, barred cells and non-permitted NCCs is "on air", the MS reports only on normal neighbours.                                                                                                                                        |            |     |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                       |            |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                    | CRef       | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                       |            |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                     |            |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                          |            |     |          |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubA, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubA, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef)) |            |     |          |
| 5                           |       | +StartMultiCells_03(BcchFreqLst_01, BcchFreqLst_48, C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                         |            |     |          |
| 6                           |       | (TCV_Null := OM_CphMd(TCV_chTch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                                                 |            |     |          |
| 7                           |       | +PreEnterCCstateU10_r03(TimingAdv_r01)                                                                                                                                                                                                                                                   |            |     |          |
| 8                           |       | (TCV_Null := OM_StartMsrReport(TCV_sacchTch))                                                                                                                                                                                                                                            |            |     |          |
| 9                           |       | L?DL_UdatInMsrRpt (TCV_MsrRes := DL_UdatInMsrRpt.msg.msrr)                                                                                                                                                                                                                               | MsrRept_04 |     |          |
| 10                          |       | +gsmOrDcs1(4, 5)                                                                                                                                                                                                                                                                         |            |     |          |
| 11                          |       | START T_dly1(960)                                                                                                                                                                                                                                                                        |            |     | 960 ms   |
| 12                          |       | ?TIMEOUT T_dly1                                                                                                                                                                                                                                                                          |            | (F) | 1.       |
| 13                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                              |            |     |          |
| 14                          |       | L?DL_UdatInMsrRpt (TCV_MsrRes := DL_UdatInMsrRpt.msg.msrr)                                                                                                                                                                                                                               | MsrRept_04 |     |          |
| 15                          |       | +gsmOrDcs1(4, 5)                                                                                                                                                                                                                                                                         |            |     |          |
| 16                          |       | (TCV_Null := OM_StopMsrReport(TCV_sacchTch))                                                                                                                                                                                                                                             |            |     |          |
| 17                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                              |            |     |          |
| 18                          |       | +execution2                                                                                                                                                                                                                                                                              |            |     |          |
|                             |       | <b>execution2</b>                                                                                                                                                                                                                                                                        |            |     |          |
| 19                          |       | +gsmOrDcs                                                                                                                                                                                                                                                                                |            |     | 1.       |
| 20                          |       | +PreEnterCCstateU10_r03(TimingAdv_r01)                                                                                                                                                                                                                                                   |            |     |          |
| 21                          |       | (TCV_Null := OM_StartMsrReport(TCV_sacchTch))                                                                                                                                                                                                                                            |            |     |          |
| 22                          |       | L?DL_UdatInMsrRpt (TCV_MsrRes := DL_UdatInMsrRpt.msg.msrr)                                                                                                                                                                                                                               | MsrRept_04 |     |          |
| 23                          |       | +gsmOrDcs1(4, 5)                                                                                                                                                                                                                                                                         |            |     |          |
| 24                          |       | START T_dly1(960)                                                                                                                                                                                                                                                                        |            |     | 960 ms   |
| 25                          |       | ?TIMEOUT T_dly1                                                                                                                                                                                                                                                                          |            | (F) | 1.       |
| 26                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                              |            |     |          |
| 27                          |       | L?DL_UdatInMsrRpt (TCV_MsrRes := DL_UdatInMsrRpt.msg.msrr)                                                                                                                                                                                                                               | MsrRept_04 |     |          |
| 28                          |       | +gsmOrDcs1(4, 5)                                                                                                                                                                                                                                                                         |            |     |          |
| 29                          |       | (TCV_Null := OM_StopMsrReport(TCV_sacchTch))                                                                                                                                                                                                                                             |            |     |          |
| 30                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                              |            |     |          |
|                             |       | <b>gsmOrDcs</b>                                                                                                                                                                                                                                                                          |            |     |          |
| 31                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                 |            |     |          |



|                                                                                                                    |                                                                |                                                                     |     |
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| 32                                                                                                                 | LIDL_UdatRqSysinfo5                                            | SysInfo5_01(TCV_sacch, BcchFreqLst_33)                              |     |
| 33                                                                                                                 | LIDL_UdatRqSysinfo5bis                                         | SysInfo5bis_01(TCV_sacch, BcchFreqLst_30)                           |     |
| 34                                                                                                                 | [TSPC_DCS]                                                     |                                                                     |     |
| 35                                                                                                                 | LIDL_UdatRqSysinfo5                                            | SysInfo5_01(TCV_sacch, BcchFreqLst_34)                              |     |
| 36                                                                                                                 | LIDL_UdatRqSysinfo5bis                                         | SysInfo5bis_01(TCV_sacch, BcchFreqLst_34d)                          |     |
| 37                                                                                                                 | LIDL_UdatRqSysinfo6<br>(DL_UdatRqSysinfo6.msg.co.pwrc := '1'B) | SysInfo6_01(TCV_sacch, C_ci_cellA, C_PLMN_1, C_lacellA, CellOpt_01) |     |
|                                                                                                                    | <b>gsmOrDcs1(in1, in2:INTEGER)</b>                             |                                                                     |     |
| 38                                                                                                                 | [TSPC_PGSM OR TSPC_EGSM]                                       |                                                                     |     |
| 39                                                                                                                 | (TCV_Res := OC_MsrReptChk(TCV_MsrRes, in1))                    |                                                                     |     |
| 40                                                                                                                 | [TCV_Res = FALSE]                                              |                                                                     | (F) |
| 41                                                                                                                 | [TCV_Res = TRUE]                                               |                                                                     | (P) |
| 42                                                                                                                 | [TSPC_DCS]                                                     |                                                                     | (F) |
| 43                                                                                                                 | (TCV_Res := OC_MsrReptChk(TCV_MsrRes, in2))                    |                                                                     |     |
| 44                                                                                                                 | [TCV_Res = FALSE]                                              |                                                                     |     |
| 45                                                                                                                 | [TCV_Res = TRUE]                                               |                                                                     | (P) |
| <b>Detailed Comments:</b>                                                                                          |                                                                |                                                                     |     |
| 1. The interval between 2 successive layer 2 frames containing MEASUREMENT REPORT exceeds one layer 2 frame, fail. |                                                                |                                                                     |     |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                   |                         |     |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_6_3_4                                                                                                                                                                                                                                                                                                                                                                                                       |                         |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                               |                         |     |          |
| <b>Purpose:</b>             |       | To test that, in the case of the MS using DTX and the SS indicating that power control is in use, the MS reports appropriate results                                                                                                                                                                                                                                                                              |                         |     |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                |                         |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                             | CRef                    | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                |                         |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                              |                         |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                   |                         |     |          |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubA, C_CellH), TCV_sacch_H := OC_SubchOfSacch4(TSPX_SDCCH4SubA, C_CellH), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB), TCV_chTch := C_FACCHF_H_1, TCV_sacchTch_H := C_SACCHF_H_1, TCV_chTch1 := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef)) |                         |     |          |
| 5                           |       | +StartMultiCells_04(BcchFreqLst_01, BcchFreqLst_48, C_Immass, TCV_slot, TCV_tsc, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TSPX_TmSlitC, TSPX_TscC, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                    |                         |     |          |
| 6                           |       | (TCV_Null := OM_CphMd(TCV_chTch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                                                                                                                                                                          |                         |     |          |
| 7                           |       | +PreEnterCCstateU10_r04(TimingAdv_r01)                                                                                                                                                                                                                                                                                                                                                                            |                         |     |          |
| 8                           |       | +gsmOrDcs2                                                                                                                                                                                                                                                                                                                                                                                                        |                         |     |          |
| 9                           |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                        |                         |     |          |
| 10                          |       | L?DL_EstIn                                                                                                                                                                                                                                                                                                                                                                                                        | DLEstInd_01             |     |          |
| 11                          |       | L?DL_DatInHoCom                                                                                                                                                                                                                                                                                                                                                                                                   | HndOvCmp_01(TCV_chTch1) |     |          |
| 12                          |       | +localtree1                                                                                                                                                                                                                                                                                                                                                                                                       |                         |     |          |
|                             |       | <b>localtree1</b>                                                                                                                                                                                                                                                                                                                                                                                                 |                         |     |          |
| 13                          |       | (TCV_Null := OM_StartMsrReport(TCV_sacchTch_H))                                                                                                                                                                                                                                                                                                                                                                   |                         |     |          |
| 14                          |       | [TSPC_TranspDataOnly = FALSE]                                                                                                                                                                                                                                                                                                                                                                                     |                         |     |          |
| 15                          | body  | L?DL_UdatInMsrRpt (TCV_MsrRes := DL_UdatInMsrRpt.msg.msrr)                                                                                                                                                                                                                                                                                                                                                        | MsrRept_05              |     |          |
| 16                          |       | +gsmOrDcs1(6, 7)                                                                                                                                                                                                                                                                                                                                                                                                  |                         |     |          |
| 17                          |       | START T_dly1(960)                                                                                                                                                                                                                                                                                                                                                                                                 |                         |     | 960 ms   |
| 18                          |       | ?TIMEOUT T_dly1                                                                                                                                                                                                                                                                                                                                                                                                   |                         | (F) | 1.       |
| 19                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                       |                         |     |          |
| 20                          |       | L?DL_UdatInMsrRpt (TCV_MsrRes := DL_UdatInMsrRpt.msg.msrr)                                                                                                                                                                                                                                                                                                                                                        | MsrRept_05              |     |          |
| 21                          |       | +gsmOrDcs1(6, 7)                                                                                                                                                                                                                                                                                                                                                                                                  |                         |     |          |
| 22                          |       | (TCV_Null := OM_StopMsrReport(TCV_sacchTch_H))                                                                                                                                                                                                                                                                                                                                                                    |                         |     |          |
| 23                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                       |                         |     |          |
| 24                          |       | +execution2                                                                                                                                                                                                                                                                                                                                                                                                       |                         |     |          |
| 25                          |       | [TSPC_TranspDataOnly = TRUE]                                                                                                                                                                                                                                                                                                                                                                                      |                         |     |          |
| 26                          |       | L?DL_UdatInMsrRpt (TCV_MsrRes := DL_UdatInMsrRpt.msg.msrr)                                                                                                                                                                                                                                                                                                                                                        | MsrRept_06              |     |          |
| 27                          |       | +gsmOrDcs1(6, 7)                                                                                                                                                                                                                                                                                                                                                                                                  |                         |     |          |
| 28                          |       | START T_dly1(960)                                                                                                                                                                                                                                                                                                                                                                                                 |                         |     | 960 ms   |
| 29                          |       | ?TIMEOUT T_dly1                                                                                                                                                                                                                                                                                                                                                                                                   |                         | (F) | 1.       |
| 30                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                       |                         |     |          |
| 31                          |       | L?DL_UdatInMsrRpt (TCV_MsrRes := DL_UdatInMsrRpt.msg.msrr)                                                                                                                                                                                                                                                                                                                                                        | MsrRept_06              |     |          |
| 32                          |       | +gsmOrDcs1(6, 7)                                                                                                                                                                                                                                                                                                                                                                                                  |                         |     |          |

|    |                                                               |                          |        |
|----|---------------------------------------------------------------|--------------------------|--------|
| 33 | (TCV_Null := OM_StopMsrReport(<br>TCV_sacchTch_H))            |                          |        |
| 34 | +PostMainLinkRel(TCV_chTch)                                   |                          |        |
| 35 | +execution2                                                   |                          |        |
|    | <b>execution2</b>                                             |                          |        |
| 36 | +gsmOrDcs                                                     |                          |        |
| 37 | START T_dly(20000)                                            |                          | 2.     |
| 38 | ?TIMEOUT T_dly                                                |                          |        |
| 39 | +PreEnterCCstateU10_r04( TimingAdv_r01)                       |                          |        |
| 40 | +gsmOrDcs2                                                    |                          |        |
| 41 | +localtree                                                    |                          |        |
| 42 | L?DL_EstIn                                                    | DLEstInd_01              |        |
| 43 | L?DL_DatInHoCom                                               | HndOvCmp_01(TCV_ chTch1) |        |
| 44 | +localtree2                                                   |                          |        |
|    | <b>localtree2</b>                                             |                          |        |
| 45 | (TCV_Null :=<br>OM_StartMsrReport(TCV_sacchTch_H))            |                          |        |
| 46 | [TSPC_TranspDataOnly = FALSE]                                 |                          |        |
| 47 | L?DL_UdatInMsrRpt (TCV_MsrRes :=<br>DL_UdatInMsrRpt.msg.msrr) | MsrRept_05               |        |
| 48 | +gsmOrDcs1(6, 7)                                              |                          |        |
| 49 | START T_dly1(960)                                             |                          | 960 ms |
| 50 | ?TIMEOUT T_dly1                                               |                          | (F) 1. |
| 51 | +PostMainLinkRel(TCV_chTch)                                   |                          |        |
| 52 | L?DL_UdatInMsrRpt (TCV_MsrRes :=<br>DL_UdatInMsrRpt.msg.msrr) | MsrRept_05               |        |
| 53 | +gsmOrDcs1(6, 7)                                              |                          |        |
| 54 | (TCV_Null := OM_StopMsrReport(<br>TCV_sacchTch_H))            |                          |        |
| 55 | +PostMainLinkRel(TCV_chTch)                                   |                          |        |
| 56 | +execution2                                                   |                          |        |
| 57 | [TSPC_TranspDataOnly = TRUE]                                  |                          |        |
| 58 | L?DL_UdatInMsrRpt (TCV_MsrRes :=<br>DL_UdatInMsrRpt.msg.msrr) | MsrRept_06               |        |
| 59 | +gsmOrDcs1(6, 7)                                              |                          |        |
| 60 | START T_dly1(960)                                             |                          | 960 ms |
| 61 | ?TIMEOUT T_dly1                                               |                          | (F) 1. |
| 62 | +PostMainLinkRel(TCV_chTch)                                   |                          |        |
| 63 | L?DL_UdatInMsrRpt (TCV_MsrRes :=<br>DL_UdatInMsrRpt.msg.msrr) | MsrRept_06               |        |
| 64 | +gsmOrDcs1(6, 7)                                              |                          |        |
| 65 | (TCV_Null := OM_StopMsrReport(<br>TCV_sacchTch_H))            |                          |        |
| 66 | +PostMainLinkRel(TCV_chTch)                                   |                          |        |
|    | <b>localtree</b>                                              |                          |        |
| 67 | L?DL_RaInHoacc                                                | HndOvAcc_01              |        |
| 68 | L?DL_RaInHoacc                                                | HndOvAcc_01              |        |
| 69 | L?DL_RaInHoacc                                                | HndOvAcc_01              |        |
| 70 | L?DL_RaInHoacc                                                | HndOvAcc_01              |        |
|    | <b>gsmOrDcs1(in1, in2:INTEGER)</b>                            |                          |        |
| 71 | [TSPC_PGSM OR TSPC_EGSM]                                      |                          |        |
| 72 | (TCV_Res := OC_MsrReptChk(TCV_MsrRes, in1))                   |                          |        |
| 73 | [TCV_Res = FALSE]                                             |                          | (F)    |
| 74 | [TCV_Res = TRUE]                                              |                          | (P)    |
| 75 | [TSPC_DCS]                                                    |                          |        |
| 76 | (TCV_Res := OC_MsrReptChk(TCV_MsrRes, in2))                   |                          |        |
| 77 | [TCV_Res = FALSE]                                             |                          | (F)    |
| 78 | [TCV_Res = TRUE]                                              |                          | (P)    |
|    | <b>gsmOrDcs2</b>                                              |                          |        |
| 79 | [TSPC_PGSM OR TSPC_EGSM]                                      |                          |        |

|                                                                                                                    |                                                                                                          |                                                                     |
|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| 80                                                                                                                 | LIDL_DatRqHoCmd                                                                                          | HndOv_40(TCV_chTch, TCV_slot, TCV_tsc)                              |
| 81                                                                                                                 | [TSPC_DCS]                                                                                               |                                                                     |
| 82                                                                                                                 | LIDL_DatRqHoCmd                                                                                          | HndOv_41(TCV_chTch, TCV_slot, TCV_tsc)                              |
|                                                                                                                    | <b>gsmOrDcs</b>                                                                                          |                                                                     |
| 83                                                                                                                 | [TSPC_PGSM OR TSPC_EGSM]                                                                                 |                                                                     |
| 84                                                                                                                 | LIDL_UdatRqSysinfo5                                                                                      | SysInfo5_01(TCV_sacch, BcchFreqLst_36)                              |
| 85                                                                                                                 | LIDL_UdatRqSysinfo5bis                                                                                   | SysInfo5bis_01(TCV_sacch, BcchFreqLst_26)                           |
| 86                                                                                                                 | LIDL_UdatRqSysinfo6<br>(DL_UdatRqSysinfo6.msg.co.pwrc := '1'B)                                           | SysInfo6_01(TCV_sacch, C_ci_cellA, C_PLMN_1, C_lacellA, CellOpt_01) |
| 87                                                                                                                 | [TSPC_DCS]                                                                                               |                                                                     |
| 88                                                                                                                 | LIDL_UdatRqSysinfo5                                                                                      | SysInfo5_01(TCV_sacch, BcchFreqLst_29)                              |
| 89                                                                                                                 | LIDL_UdatRqSysinfo5bis                                                                                   | SysInfo5bis_01(TCV_sacch, BcchFreqLst_31)                           |
| 90                                                                                                                 | LIDL_UdatRqSysinfo6<br>(DL_UdatRqSysinfo6.msg.co.pwrc := '1'B,<br>DL_UdatRqSysinfo6.msg.co.dtx := '01'B) | SysInfo6_01(TCV_sacch, C_ci_cellA, C_PLMN_1, C_lacellA, CellOpt_01) |
| <b>Detailed Comments:</b>                                                                                          |                                                                                                          |                                                                     |
| 1. The interval between 2 successive layer 2 frames containing MEASUREMENT REPORT exceeds one layer 2 frame, fail. |                                                                                                          |                                                                     |
| 2. To allow the MS camp in cell H again.                                                                           |                                                                                                          |                                                                     |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                          |            |     |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_6_3_5                                                                                                                                                                                                                                                                              |            |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                      |            |     |          |
| <b>Purpose:</b>             |       | To test that when the SS gives information about neighbouring cells the MS reports appropriate results.                                                                                                                                                                                  |            |     |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                       |            |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                    | CRef       | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                       |            |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                     |            |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                          |            |     |          |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubA, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubA, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB), TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef)) |            |     |          |
| 5                           |       | +StartTwoCells_01(BcchFreqLst_37, BcchFreqLst_38, C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                          |            |     |          |
| 6                           |       | (TCV_Null := OM_CphMd(TCV_chTch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                                                 |            |     |          |
| 7                           | body  | +PreEnterCCstateU10_r05(TimingAdv_r01)                                                                                                                                                                                                                                                   |            |     |          |
| 8                           |       | (TCV_Null := OM_StartMsrReport(TCV_sacchTch))                                                                                                                                                                                                                                            |            |     |          |
| 9                           |       | L?DL_UdatInMsrRpt (TCV_MsrRes := DL_UdatInMsrRpt.msg.msrr)                                                                                                                                                                                                                               | MsrRept_07 |     |          |
| 10                          |       | +gsmOrDcs1(8, 9)                                                                                                                                                                                                                                                                         |            |     |          |
| 11                          |       | START T_dly1(960)                                                                                                                                                                                                                                                                        |            |     | 960 ms   |
| 12                          |       | ?TIMEOUT T_dly1                                                                                                                                                                                                                                                                          |            | (F) | 1.       |
| 13                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                              |            |     |          |
| 14                          |       | L?DL_UdatInMsrRpt (TCV_MsrRes := DL_UdatInMsrRpt.msg.msrr)                                                                                                                                                                                                                               | MsrRept_07 |     |          |
| 15                          |       | +gsmOrDcs1(8, 9)                                                                                                                                                                                                                                                                         |            |     |          |
| 16                          |       | (TCV_Null := OM_StopMsrReport(TCV_sacchTch))                                                                                                                                                                                                                                             |            |     |          |
| 17                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                              |            |     |          |
| 18                          |       | +execution2                                                                                                                                                                                                                                                                              |            |     |          |
| 19                          |       | <b>execution2</b>                                                                                                                                                                                                                                                                        |            |     |          |
| 20                          |       | +gsmOrDcs                                                                                                                                                                                                                                                                                |            |     | 1.       |
| 21                          |       | +PreEnterCCstateU10_r05(TimingAdv_r01)                                                                                                                                                                                                                                                   |            |     |          |
| 22                          |       | (TCV_Null := OM_StartMsrReport(TCV_sacchTch))                                                                                                                                                                                                                                            |            |     |          |
| 23                          |       | L?DL_UdatInMsrRpt (TCV_MsrRes := DL_UdatInMsrRpt.msg.msrr)                                                                                                                                                                                                                               | MsrRept_07 |     |          |
| 24                          |       | +gsmOrDcs1(8, 9)                                                                                                                                                                                                                                                                         |            |     |          |
| 25                          |       | START T_dly1(960)                                                                                                                                                                                                                                                                        |            |     | 960 ms   |
| 26                          |       | ?TIMEOUT T_dly1                                                                                                                                                                                                                                                                          |            | (F) | 1.       |
| 27                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                              |            |     |          |
| 28                          |       | L?DL_UdatInMsrRpt (TCV_MsrRes := DL_UdatInMsrRpt.msg.msrr)                                                                                                                                                                                                                               | MsrRept_07 |     |          |
| 29                          |       | +gsmOrDcs1(8, 9)                                                                                                                                                                                                                                                                         |            |     |          |
| 30                          |       | (TCV_Null := OM_StopMsrReport(TCV_sacchTch))                                                                                                                                                                                                                                             |            |     |          |
| 31                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                              |            |     |          |
| 32                          |       | +execution3                                                                                                                                                                                                                                                                              |            |     |          |
|                             |       | <b>execution3</b>                                                                                                                                                                                                                                                                        |            |     |          |

|                           |                                                                |                                                                                  |     |        |
|---------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|-----|--------|
| 32                        | +gsmOrDcs2                                                     |                                                                                  |     | 1.     |
| 33                        | +PreEnterCCstateU10_r05(TimingAdv_r01)                         |                                                                                  |     |        |
| 34                        | (TCV_Null :=<br>OM_StartMsrReport(TCV_sacchTch))               |                                                                                  |     |        |
| 35                        | L?DL_UdatInMsrRpt (TCV_MsrRes :=<br>DL_UdatInMsrRpt.msg.msrr)  | MsrRept_07                                                                       |     |        |
| 36                        | +gsmOrDcs1(8, 10)                                              |                                                                                  |     |        |
| 37                        | START T_dly1(960)                                              |                                                                                  |     | 960 ms |
| 38                        | ?TIMEOUT T_dly1                                                |                                                                                  | (F) | 1.     |
| 39                        | +PostMainLinkRel(TCV_chTch)                                    |                                                                                  |     |        |
| 40                        | L?DL_UdatInMsrRpt (TCV_MsrRes :=<br>DL_UdatInMsrRpt.msg.msrr)  | MsrRept_07                                                                       |     |        |
| 41                        | +gsmOrDcs1(8, 10)                                              |                                                                                  |     |        |
| 42                        | (TCV_Null := OM_StopMsrReport(<br>TCV_sacchTch))               |                                                                                  |     |        |
| 43                        | +PostMainLinkRel(TCV_chTch)                                    |                                                                                  |     |        |
|                           | <b>gsmOrDcs</b>                                                |                                                                                  |     |        |
| 44                        | [TSPC_PGSM OR TSPC_EGSM]                                       |                                                                                  |     |        |
| 45                        | LIDL_UdatRqSysinfo5bis                                         | SysInfo5bis_01(TCV_<br>sacch,<br>BcchFreqLst_41)                                 |     |        |
| 46                        | [TSPC_DCS]                                                     |                                                                                  |     |        |
| 47                        | LIDL_UdatRqSysinfo5                                            | SysInfo5_01(TCV_sa<br>cch, BcchFreqLst_39)                                       |     |        |
| 48                        | LIDL_UdatRqSysinfo5bis                                         | SysInfo5bis_01(TCV_<br>sacch,<br>BcchFreqLst_42)                                 |     |        |
| 49                        | LIDL_UdatRqSysinfo6<br>(DL_UdatRqSysinfo6.msg.co.pwrc := '1'B) | SysInfo6_01(TCV_sa<br>cch, C_ci_cellA,<br>C_PLMN_1,<br>C_lacellA,<br>CellOpt_01) |     |        |
|                           | <b>gsmOrDcs1(in1, in2:INTEGER)</b>                             |                                                                                  |     |        |
| 50                        | [TSPC_PGSM OR TSPC_EGSM]                                       |                                                                                  |     |        |
| 51                        | (TCV_Res := OC_MsrReptChk(TCV_MsrRes, in1))                    |                                                                                  |     |        |
| 52                        | [TCV_Res = FALSE]                                              |                                                                                  | (F) |        |
| 53                        | [TCV_Res = TRUE]                                               |                                                                                  | (P) |        |
| 54                        | [TSPC_DCS]                                                     |                                                                                  |     |        |
| 55                        | (TCV_Res := OC_MsrReptChk(TCV_MsrRes, in2))                    |                                                                                  |     |        |
| 56                        | [TCV_Res = FALSE]                                              |                                                                                  | (F) |        |
| 57                        | [TCV_Res = TRUE]                                               |                                                                                  | (P) |        |
|                           | <b>gsmOrDcs2</b>                                               |                                                                                  |     |        |
| 58                        | [TSPC_PGSM OR TSPC_EGSM]                                       |                                                                                  |     |        |
| 59                        | LIDL_UdatRqSysinfo5bis                                         | SysInfo5bis_01(TCV_<br>sacch,<br>BcchFreqLst_43)                                 |     |        |
| 60                        | [TSPC_DCS]                                                     |                                                                                  |     |        |
| 61                        | LIDL_UdatRqSysinfo5                                            | SysInfo5_01(TCV_sa<br>cch, BcchFreqLst_40)                                       |     |        |
| 62                        | LIDL_UdatRqSysinfo5bis                                         | SysInfo5bis_01(TCV_<br>sacch,<br>BcchFreqLst_44)                                 |     |        |
| 63                        | LIDL_UdatRqSysinfo6<br>(DL_UdatRqSysinfo6.msg.co.pwrc := '1'B) | SysInfo6_01(TCV_sa<br>cch, C_ci_cellA,<br>C_PLMN_1,<br>C_lacellA,<br>CellOpt_01) |     |        |
| <b>Detailed Comments:</b> |                                                                |                                                                                  |     |        |

### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_26_6_4_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Group:</b>          | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purpose:</b>        | <p>1. To verify that upon receipt of an ASSIGNMENT COMMAND, the MS switches to the channel defined in the ASSIGNMENT COMMAND, establishes the link and sends an ASSIGNMENT COMPLETE message. This is tested for an MS supporting TCH in the special cases of a transition</p> <p>1.1 from non-hopping SDCCH to hopping TCH/F using a different timeslot</p> <p>1.2 from hopping TCH/F to non-hopping TCH/F using a different timeslot</p> <p>1.3 from non-hopping TCH/F to non-hopping TCH/F using a different timeslot</p> <p>1.4 from non-hopping TCH/F to hopping TCH/H using a different timeslot; this test purpose is only applicable if the MS supports TCH/H</p> <p>1.5 from hopping TCH/H to non-hopping TCH/H using a different timeslot; this test purpose is only applicable if the MS supports TCH/H</p> <p>1.6 from non-hopping TCH/H to hopping TCH/F using a different timeslot; this test purpose is only applicable if the MS supports TCH/H.</p> <p>2. To verify that an MS supporting TCH, having sent an MM- or CM message which was not acknowledged on L2 before the channel assignment procedure was initiated and before the MS has left the old channel, repeats that message after completion of the assignment procedure without incrementing N(SD). This is tested in the special case of MM message AUTHENTICATION RESPONSE.</p> <p>3. To verify that, if an MS supporting TCH has received an ASSIGNMENT COMMAND message which contains only the description of a channel to be used after the starting time, and if the starting time has not already elapsed, the mobile station shall wait up to the starting time before accessing the channel.</p> <p>4. To verify that an MS supporting TCH, having received an ASSIGNMENT COMMAND, having sent an SABM frame to establish the main signalling link on the assigned channel, reports the power level specified in the ASSIGNMENT COMMAND message, in the uplink SACCH L1 header of the SACCH message sent in the SACCH period following the transmission of the SABM frame.</p> |
| <b>Default:</b>        | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

| Nr | Label | Behaviour Description                                                                                                      | CRef                                   | V  | Comments                |
|----|-------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----|-------------------------|
| 1  |       | START T_guard(300)                                                                                                         |                                        |    |                         |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                       |                                        |    |                         |
| 3  |       | +IdleUpdated(C_CellA, C_ImmAss, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                            |                                        |    |                         |
| 4  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))        |                                        |    |                         |
| 5  |       | +PreEnterIdleState_r03_1(C_ImmAss, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O)                     |                                        | 1. |                         |
| 6  |       | (TCV_ch := OC_SubchOfSdcch8(TSPX_SDCCH8SubDef, C_CellA, 1), TCV_sacch8 := OC_SubchOfSacch8(TSPX_SDCCH8SubDef, C_CellA, 1)) |                                        |    |                         |
| 7  |       | +SDCCH8_A_1_1(C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_r01, '000'B, '001'B, '011'B)                                   |                                        | 2. |                         |
| 8  |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                             |                                        |    |                         |
| 9  |       | LIDL_UdatRqPg1Rq                                                                                                           | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01) |    |                         |
| 10 |       | L?DL_RaInChRq (TCV_Rqr.ra := DL_RaInChRq.msg.ecau_rrf, TCV_Rqr.fn := DL_RaInChRq.fn)                                       | ChReq_01                               |    |                         |
| 11 |       | ACTIVATE(OtherEventsFail_02)                                                                                               |                                        |    | To match ChReq retrans. |
| 12 |       | +ltree_ImmAss                                                                                                              |                                        |    |                         |
| 13 |       | L?DL_EstInPgRes                                                                                                            | PgRes_01                               |    |                         |
| 14 |       | ACTIVATE(OtherEventsFail_01)                                                                                               |                                        |    | Restore Normal default  |
| 15 |       | +localtree1                                                                                                                |                                        |    |                         |
| 16 |       | +localtree2                                                                                                                |                                        |    |                         |

|    |                                                                             |                                                                                                                 |     |
|----|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----|
| 17 | <b>localtree1</b>                                                           |                                                                                                                 |     |
| 18 | +ltree_Asgn1                                                                |                                                                                                                 |     |
| 19 | +AssCh_complete(TCV_ch,TCV_chTch,TCV_AssCmd)                                |                                                                                                                 |     |
| 20 | (TCV_L1Head := OM_GetL1Hd(TCV_chTch),<br>TCV_Pwrlvl := TCV_L1Head.mspwrlvl) |                                                                                                                 |     |
| 21 | [TCV_Pwrlvl <> '0000111'B]                                                  |                                                                                                                 | (F) |
| 22 | +PostMainLinkRel(TCV_chTch)                                                 |                                                                                                                 |     |
| 23 | [TCV_Pwrlvl = '0000111'B]                                                   |                                                                                                                 |     |
| 24 | +ltree_Asgn2                                                                |                                                                                                                 |     |
| 25 | +AssCh_complete(TCV_chTch,TCV_chTch1,TCV_AssCmd)                            |                                                                                                                 |     |
| 26 | <b>localtree2</b>                                                           |                                                                                                                 |     |
| 27 | (TCV_Null :=OM_NoL2Ack(C_I, 1, TCV_chTch1))                                 |                                                                                                                 |     |
| 28 | LIDL_DatRqAuthRq                                                            | AuthReq_01(TCV_chTch1)                                                                                          |     |
| 29 | L?DL_DatInAuthRes (TCV_Mt :=<br>DL_DatInAuthRes.msg.mt)                     | AuthRes_01                                                                                                      |     |
| 30 | +ltree_Asgn3                                                                |                                                                                                                 |     |
| 31 | +AssCh_complete(TCV_chTch1,TCV_chTch,<br>TCV_AssCmd)                        |                                                                                                                 |     |
| 32 | L?DL_DatInAuthRes (TCV_Mt1 :=<br>DL_DatInAuthRes.msg.mt)                    | AuthRes_01                                                                                                      |     |
| 33 | [TCV_Mt <> TCV_Mt1]                                                         |                                                                                                                 | (F) |
| 34 | +PostMainLinkRel(TCV_chTch)                                                 |                                                                                                                 |     |
| 35 | [TCV_Mt = TCV_Mt1]                                                          |                                                                                                                 | (P) |
| 36 | +continue1                                                                  |                                                                                                                 |     |
| 37 | <b>continue1</b>                                                            |                                                                                                                 |     |
| 38 | +ltree_Asgn4                                                                |                                                                                                                 |     |
| 39 | +AssCh_complete(TCV_chTch,TCV_chTch1,TCV_AssCmd)                            |                                                                                                                 |     |
| 40 | (TCV_Fn := TCV_FnAss)                                                       |                                                                                                                 |     |
| 41 | (TCV_n :=OC_FnArith(TCV_Fn, TCV_Fn1))                                       |                                                                                                                 |     |
| 42 | [(TCV_n < 0) OR(TCV_n >17)]                                                 |                                                                                                                 | (F) |
| 43 | +PostMainLinkRel(TCV_chTch1)                                                |                                                                                                                 |     |
| 44 | [(TCV_n >= 0) AND (TCV_n <=17)]                                             |                                                                                                                 | (P) |
| 45 | [TSPC_FullRateOnly = TRUE]                                                  |                                                                                                                 |     |
| 46 | +PostMainLinkRel(TCV_chTch1)                                                |                                                                                                                 |     |
| 47 | [TSPC_DualRate = TRUE]                                                      |                                                                                                                 |     |
| 48 | +gofurther                                                                  |                                                                                                                 |     |
| 49 | <b>gofurther</b>                                                            |                                                                                                                 |     |
| 50 | +ltree_Asgn5                                                                |                                                                                                                 |     |
| 51 | +AssCh_complete(TCV_chTch1,TCV_chTch,TCV_AssCmd)                            |                                                                                                                 |     |
| 52 | +ltree_Asgn6                                                                |                                                                                                                 |     |
| 53 | +AssCh_complete(TCV_chTch,TCV_chTch1,TCV_AssCmd)                            |                                                                                                                 |     |
| 54 | +ltree_Asgn7                                                                |                                                                                                                 |     |
| 55 | +AssCh_complete(TCV_chTch1,TCV_chTch,TCV_AssCmd)                            |                                                                                                                 |     |
| 56 | +PostMainLinkRel(TCV_chTch)                                                 |                                                                                                                 |     |
| 57 | <b>ltree_ImmAss</b>                                                         |                                                                                                                 |     |
| 58 | [TSPC_PGSM OR TSPC_EGSM]                                                    |                                                                                                                 |     |
| 59 | LIDL_UdatRqImmAss                                                           | ImmAss_sdcch8(TCV_agch, TCV_Rr, TCV_Fn, TSPX_TmSlTDef, TSPX_TscDef, TSPX_SDCCH8SubDef, C_arfcnA, TimingAdv_r01) |     |
| 60 | [TSPC_DCS]                                                                  |                                                                                                                 |     |
| 61 | LIDL_UdatRqImmAss                                                           | ImmAss_sdcch8(TCV_agch, TCV_Rr,                                                                                 |     |



|    |                                                                                                                                                   |                                                                                            |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
|    |                                                                                                                                                   | TCV_Fn,<br>TSPX_TmSlTDef,<br>TSPX_TscDef,<br>TSPX_SDCCH8SubD<br>ef, 747,<br>TimingAdv_r01) |
|    | <b>Itree_Asgn1</b>                                                                                                                                |                                                                                            |
| 57 | (TCV_chTch := C_FACCHF_A_1, TCV_sacchTch :=<br>C_SACCHF_A_1, TCV_slT2 :=<br>INT_TO_BIT(((BIT_TO_INT(TSPX_TmSlTDef) +1)<br>MOD 8), 3))             |                                                                                            |
| 58 | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                          |                                                                                            |
| 59 | +Config_FACCHF_A_1(63, 7, ChMod_sign,<br>C_Ass, TCV_slT2, TSPX_TscDef, FreqTCHa5,<br>C_TCHF_ACCHF_1, TimingAdv_r01, '000'B,<br>'001'B, '011'B)    |                                                                                            |
| 60 | +SysInfo_SacchSending( TCV_sacchTch,<br>TCV_sysinfo5, TCV_sysinfo6)                                                                               |                                                                                            |
| 61 | (TCV_AssCmd := AsgnCmd_fh( TCV_slT2,<br>TSPX_TscDef, 7, 1, 1, CellChDes_omit,<br>ChMod_sign_iei, MoblAlIc_r01))                                   |                                                                                            |
| 62 | [TSPC_DCS]                                                                                                                                        |                                                                                            |
| 63 | +Config_FACCHF_A_1(63, 7, ChMod_sign,<br>C_Ass, TCV_slT2, TSPX_TscDef, FreqTCHa12,<br>C_TCHF_ACCHF_1, TimingAdv_r01, '000'B,<br>'001'B, '011'B)   |                                                                                            |
| 64 | +SysInfo_SacchSending( TCV_sacchTch,<br>TCV_sysinfo5, TCV_sysinfo6)                                                                               |                                                                                            |
| 65 | (TCV_AssCmd := AsgnCmd_fh( TCV_slT2,<br>TSPX_TscDef, 7, 1, 1, CellChDes_omit,<br>ChMod_sign_iei, MoblAlIc_r01))                                   |                                                                                            |
|    | <b>Itree_Asgn2</b>                                                                                                                                |                                                                                            |
| 66 | (TCV_chTch1 := C_FACCHF_A_2, TCV_sacchTch1<br>:= C_SACCHF_A_2, TCV_slT2 :=<br>INT_TO_BIT(((BIT_TO_INT(TSPX_TmSlTDef) +3)<br>MOD 8), 3))           |                                                                                            |
| 67 | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                          |                                                                                            |
| 68 | +Config_FACCHF_A_2(63, 16, TSPX_ChModF,<br>C_Ass, TCV_slT2, TSPX_TscDef, FreqTCHa6,<br>C_TCHF_ACCHF_2, TimingAdv_r01, '000'B,<br>'001'B, '011'B)  |                                                                                            |
| 69 | +SysInfo_SacchSending( TCV_sacchTch1,<br>TCV_sysinfo5, TCV_sysinfo6)                                                                              |                                                                                            |
| 70 | (TCV_AssCmd := AsgnCmd_nfh( TCV_slT2,<br>TSPX_TscDef, 16, C_arfcnA, CellChDes_r03,<br>TSPX_ChModF, StartingTm_omit))                              |                                                                                            |
| 71 | [TSPC_DCS]                                                                                                                                        |                                                                                            |
| 72 | +Config_FACCHF_A_2(63, 12, TSPX_ChModF,<br>C_Ass, TCV_slT2, TSPX_TscDef, FreqTCHa13,<br>C_TCHF_ACCHF_2, TimingAdv_r01, '000'B,<br>'001'B, '011'B) |                                                                                            |
| 73 | +SysInfo_SacchSending( TCV_sacchTch1,<br>TCV_sysinfo5, TCV_sysinfo6)                                                                              |                                                                                            |
| 74 | (TCV_AssCmd := AsgnCmd_nfh( TCV_slT2,<br>TSPX_TscDef, 12, 747, CellChDes_r01,<br>TSPX_ChModF, StartingTm_omit))                                   |                                                                                            |
|    | <b>Itree_Asgn3</b>                                                                                                                                |                                                                                            |
| 75 | (TCV_chTch := C_FACCHF_A_1, TCV_sacchTch :=<br>C_SACCHF_A_1, TCV_slT2 :=<br>INT_TO_BIT(((BIT_TO_INT(TSPX_TmSlTDef) +4)<br>MOD 8), 3))             |                                                                                            |
| 76 | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                          |                                                                                            |
| 77 | +Config_FACCHF_A_1(63, 9, TSPX_ChModF,<br>C_Ass, TCV_slT2, TSPX_TscDef, FreqTCHa7,<br>C_TCHF_ACCHF_1, TimingAdv_r01, '000'B,<br>'001'B, '011'B)   |                                                                                            |
| 78 | +SysInfo_SacchSending( TCV_sacchTch,<br>TCV_sysinfo5, TCV_sysinfo6)                                                                               |                                                                                            |
| 79 | (TCV_AssCmd := AsgnCmd_fh( TCV_slT2,                                                                                                              |                                                                                            |

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80     TSPX_TscDef, 9, 3, 8, CellChDes_omit,
81     ChMod_omit, MobilAllc_r02))
      [TSPC_DCS]
81     +Config_FACCHF_A_1(63, 9, ChMod_speech,
      C_Ass, TCV_sl2, TSPX_TscDef, FreqTCHa14,
      C_TCHF_ACCHF_1, TimingAdv_r01, '000'B,
82     '001'B, '011'B)
      +SysInfo_SacchSending( TCV_sacchTch,
83     TCV_sysinfo5, TCV_sysinfo6)
      (TCV_AssCmd := AsgnCmd_fh( TCV_sl2,
      TSPX_TscDef, 9, 3, 8, CellChDes_omit,
      ChMod_omit, MobilAllc_r04))

Itree_Asgn4
84     (TCV_chTch1 := C_FACCHF_A_2, TCV_sacchTch1
      := C_SACCHF_A_2, TCV_sl2 :=
      INT_TO_BIT(((BIT_TO_INT(TSPX_TmSl2Def) +5)
      MOD 8), 3), TCV_Fn := OM_ComingFn(TCV_chTch),
      TCV_Fn1 := OC_FnInc(TCV_Fn, 100), TCV_Null :=
      OM_SendNextOn(TCV_chTch, TCV_Fn))
85     [TSPC_PGSM OR TSPC_EGSM]
86     +Config_FACCHF_A_2(63, 14, ChMod_sign,
      C_Ass, TCV_sl2, TSPX_TscDef, FreqTCHa8,
      C_TCHF_ACCHF_2, TimingAdv_r01, '000'B,
87     '001'B, '011'B)
      +SysInfo_SacchSending( TCV_sacchTch1,
88     TCV_sysinfo5, TCV_sysinfo6)
      (TCV_AssCmd := AsgnCmd_nfh( TCV_sl2,
      TSPX_TscDef, 14, 10, CellChDes_omit,
      ChMod_sign_iei, StartingTm_01(TCV_Fn1)))
89     [TSPC_DCS]
90     +Config_FACCHF_A_2(63, 14, ChMod_sign,
      C_Ass, TCV_sl2, TSPX_TscDef, FreqTCHa15,
      C_TCHF_ACCHF_2, TimingAdv_r01, '000'B,
91     '001'B, '011'B)
      +SysInfo_SacchSending( TCV_sacchTch1,
92     TCV_sysinfo5, TCV_sysinfo6)
      (TCV_AssCmd := AsgnCmd_nfh( TCV_sl2,
      TSPX_TscDef, 14, 734, CellChDes_omit,
      ChMod_sign_iei, StartingTm_01(TCV_Fn1)))

Itree_Asgn5
93     (TCV_chTch :=
      OC_SubchOfFacchh(TSPX_TCHHSubDef, C_CellA,
      1), TCV_sacchTch :=
      OC_SubchOfSacchh(TSPX_TCHHSubDef, C_CellA,
      1), TCV_sl2 :=
      INT_TO_BIT(((BIT_TO_INT(TSPX_TmSl2Def) +6)
      MOD 8), 3))
94     [TSPC_PGSM OR TSPC_EGSM]
95     +Config_FACCHH_A_1(63, 8, TSPX_ChModH,
      C_Ass, TCV_sl2, TSPX_TscDef, FreqTCHa9,
      C_TCHH_ACCHH_1, TimingAdv_r01, '000'B,
96     '001'B, '011'B)
      +SysInfo_SacchSending( TCV_sacchTch,
97     TCV_sysinfo5, TCV_sysinfo6)
      (TCV_AssCmd := AsgnCmd_tchh_fh(
      TSPX_TCHHSubDef, TCV_sl2,
      TSPX_TscDef, 8, 5, 0, TSPX_ChModH,
      Frql_08, MobilAllc_omit))
98     [TSPC_DCS]
99     +Config_FACCHH_A_1(63, 3, TSPX_ChModH,
      C_Ass, TCV_sl2, TSPX_TscDef, FreqTCHa16,
      C_TCHH_ACCHH_1, TimingAdv_r01, '000'B,
100    '001'B, '011'B)
      +SysInfo_SacchSending( TCV_sacchTch,
101    TCV_sysinfo5, TCV_sysinfo6)
      (TCV_AssCmd := AsgnCmd_tchh_fh(
      TSPX_TCHHSubDef, TCV_sl2,
      TSPX_TscDef, 3, 5, 0, TSPX_ChModH,
      Frql_09, MobilAllc_omit))

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|                           |                                                                                                                                                                                                                                        |                                                                                                        |  |  |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--|--|
| 102                       | <b>ltree_Asgn6</b><br>(TCV_chTch1 :=<br>OC_SubchOfFacchh(TSPX_TCHHSubA, C_CellA, 2),<br>TCV_sacchTch1 :=<br>OC_SubchOfSacchh(TSPX_TCHHSubDef, C_CellA,<br>2), TCV_sl2 :=<br>INT_TO_BIT(((BIT_TO_INT(TSPX_TmSlitDef) +7)<br>MOD 8), 3)) |                                                                                                        |  |  |
| 103                       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                               |                                                                                                        |  |  |
| 104                       | +Config_FACCHH_A_2(63, 12, TSPX_ChModH,<br>C_Ass, TCV_sl2, TSPX_TscDef, FreqTCHa10,<br>C_TCHH_ACCHH_2, TimingAdv_r01, '000'B,<br>'001'B, '011'B)                                                                                       |                                                                                                        |  |  |
| 105                       | +SysInfo_SacchSending( TCV_sacchTch1,<br>TCV_sysinfo5, TCV_sysinfo6)                                                                                                                                                                   |                                                                                                        |  |  |
| 106                       | (TCV_AssCmd := AsgnCmd_tchh_nfh(<br>TSPX_TCHHSubA, TCV_sl2, TSPX_TscDef,<br>12, 34))                                                                                                                                                   |                                                                                                        |  |  |
| 107                       | [TSPC_DCS]                                                                                                                                                                                                                             |                                                                                                        |  |  |
| 108                       | +Config_FACCHH_A_2(63, 9, TSPX_ChModH,<br>C_Ass, TCV_sl2, TSPX_TscDef, FreqTCHa17,<br>C_TCHH_ACCHH_2, TimingAdv_r01, '000'B,<br>'001'B, '011'B)                                                                                        |                                                                                                        |  |  |
| 109                       | +SysInfo_SacchSending( TCV_sacchTch1,<br>TCV_sysinfo5, TCV_sysinfo6)                                                                                                                                                                   |                                                                                                        |  |  |
| 110                       | (TCV_AssCmd := AsgnCmd_tchh_nfh(<br>TSPX_TCHHSubA, TCV_sl2, TSPX_TscDef,<br>9, 759))                                                                                                                                                   |                                                                                                        |  |  |
| 111                       | <b>ltree_Asgn7</b><br>(TCV_chTch := C_FACCHF_A_1, TCV_sacchTch :=<br>C_SACCHF_A_1, TCV_sl2 :=<br>INT_TO_BIT(((BIT_TO_INT(TSPX_TmSlitDef) +1)<br>MOD 8), 3))                                                                            |                                                                                                        |  |  |
| 112                       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                               |                                                                                                        |  |  |
| 113                       | +Config_FACCHF_A_1(63, 19, TSPX_ChModH,<br>C_Ass, TCV_sl2, TSPX_TscDef, FreqTCHa11,<br>C_TCHF_ACCHF_1, TimingAdv_r01, '000'B,<br>'001'B, '011'B)                                                                                       |                                                                                                        |  |  |
| 114                       | +SysInfo_SacchSending( TCV_sacchTch,<br>TCV_sysinfo5, TCV_sysinfo6)                                                                                                                                                                    |                                                                                                        |  |  |
| 115                       | (TCV_AssCmd := AsgnCmd_fh( TCV_sl2,<br>TSPX_TscDef, 19, 0, 40, CellChDes_r04,<br>ChMod_omit, MobilAllc_r03))                                                                                                                           |                                                                                                        |  |  |
| 116                       | [TSPC_DCS]                                                                                                                                                                                                                             |                                                                                                        |  |  |
| 117                       | +Config_FACCHF_A_1(63, 15, TSPX_ChModH,<br>C_Ass, TCV_sl2, TSPX_TscDef, FreqTCHa18,<br>C_TCHF_ACCHF_1, TimingAdv_r01, '000'B,<br>'001'B, '011'B)                                                                                       |                                                                                                        |  |  |
| 118                       | +SysInfo_SacchSending( TCV_sacchTch,<br>TCV_sysinfo5, TCV_sysinfo6)                                                                                                                                                                    |                                                                                                        |  |  |
| 119                       | (TCV_AssCmd := AsgnCmd_fh( TCV_sl2,<br>TSPX_TscDef, 15, 0, 40, CellChDes_r02,<br>ChMod_omit, MobilAllc_r03))                                                                                                                           |                                                                                                        |  |  |
| <b>Detailed Comments:</b> |                                                                                                                                                                                                                                        | 1. Default parameters except CA.<br>2. The time slot is TSPX_TmSlitDef, the ARFCN is the BCCH carrier. |  |  |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |     |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_6_4_2_1                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |     |          |
| <b>Purpose:</b>             |       | To test that, when the MS fails to seize the new channel, the MS reactivates the old channel, reporting use of the last power level used on the old channel. This is tested in the special cases of a transition: <ul style="list-style-type: none"> <li>- from TCH/F to hopping TCH/F in state U10 if the MS supports TCH/F and call control</li> <li>- from TCH/H to hopping TCH/H in state U10 if the MS supports TCH/H and call control</li> </ul> |      |     |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                  | Cref | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                   |      |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                        |      |     |          |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubA, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubA, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef))                                                                                                                                                                                                                            |      |     |          |
| 5                           |       | +PreEnterIdleState_Comb01(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                          |      |     |          |
| 6                           |       | +FullRateCh_A_def(C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                           |      |     |          |
| 7                           |       | +PreEnterCCstateU10_r02(TSPX_SDCCH4SubA, TimingAdv_r01)                                                                                                                                                                                                                                                                                                                                                                                                |      |     | 1.       |
| 8                           | body  | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |     |          |
|                             |       | <b>localtree</b>                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |     |          |
| 9                           |       | +ltree_Asgn1                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |     |          |
| 10                          |       | +AssCh_failure(TCV_chTch, TCV_AssCmd, FALSE)                                                                                                                                                                                                                                                                                                                                                                                                           |      |     |          |
| 11                          |       | +localtree3                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |     |          |
| 12                          |       | +localtree1                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |     |          |
|                             |       | <b>localtree1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |     |          |
| 13                          |       | [TSPC_DualRate = TRUE]                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |     |          |
| 14                          |       | (TCV_chTch := OC_SubchOfFacch(TSPX_TCHHSubA, C_CellA, 1), TCV_sacchTch := OC_SubchOfSacch(TSPX_TCHHSubA, C_CellA, 1), TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef))                                                                                                                                                                                                                                                                               |      |     |          |
| 15                          |       | +HalfRateCh_A_def(C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                           |      |     |          |
| 16                          |       | +PreEnterCCstateU10_r02(TSPX_SDCCH4SubA, TimingAdv_r01)                                                                                                                                                                                                                                                                                                                                                                                                |      |     | 3.       |
| 17                          |       | +localtree2                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |     |          |
| 18                          |       | [TSPC_FullRateOnly = TRUE]                                                                                                                                                                                                                                                                                                                                                                                                                             |      |     |          |
|                             |       | <b>localtree2</b>                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |     |          |
| 19                          |       | +ltree_Asgn2                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |     |          |
| 20                          |       | +AssCh_failure(TCV_chTch, TCV_AssCmd, FALSE)                                                                                                                                                                                                                                                                                                                                                                                                           |      |     |          |
| 21                          |       | +localtree3                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |     |          |
|                             |       | <b>localtree3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |     |          |
| 22                          |       | (TCV_L1Head := OM_GetL1Hd(C_SACCHF_A_1))                                                                                                                                                                                                                                                                                                                                                                                                               |      |     |          |
| 23                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                                                                                                               |      |     |          |
| 24                          |       | [TCV_L1Head.mspwrlvl <> '00111'B]                                                                                                                                                                                                                                                                                                                                                                                                                      |      | (F) | 6.       |
| 25                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                            |      |     |          |
| 26                          |       | [TCV_L1Head.mspwrlvl = '00111'B]                                                                                                                                                                                                                                                                                                                                                                                                                       |      | (P) |          |
| 27                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                            |      |     |          |
| 28                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |     |          |
| 29                          |       | [TCV_L1Head.mspwrlvl <> '00011'B]                                                                                                                                                                                                                                                                                                                                                                                                                      |      | (F) | 6.       |

|                                                                                                    |                                                                               |  |     |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|--|-----|
| 30                                                                                                 | +PostMainLinkRel(TCV_chTch)                                                   |  |     |
| 31                                                                                                 | [TCV_L1Head.mspwrlvl = '00011'B]                                              |  | (P) |
| 32                                                                                                 | +PostMainLinkRel(TCV_chTch)                                                   |  |     |
|                                                                                                    | <b>Itree_Asgn1</b>                                                            |  |     |
| 33                                                                                                 | [TSPC_PGSM OR TSPC_EGSM]                                                      |  |     |
| 34                                                                                                 | (TCV_AssCmd := AsgnCmd_tchf(TSPX_TmSlDef,<br>TSPX_TscDef))                    |  |     |
| 35                                                                                                 | [TSPC_DCS]                                                                    |  |     |
| 36                                                                                                 | (TCV_AssCmd :=<br>AsgnCmd_dtchf(TSPX_TmSlDef, TSPX_TscDef))                   |  |     |
|                                                                                                    | <b>Itree_Asgn2</b>                                                            |  |     |
| 37                                                                                                 | [TSPC_PGSM OR TSPC_EGSM]                                                      |  |     |
| 38                                                                                                 | (TCV_AssCmd :=<br>AsgnCmd_tchh(TSPX_TCHHSubA,<br>TSPX_TmSlDef, TSPX_TscDef))  |  |     |
| 39                                                                                                 | [TSPC_DCS]                                                                    |  |     |
| 40                                                                                                 | (TCV_AssCmd :=<br>AsgnCmd_dtchh(TSPX_TCHHSubA,<br>TSPX_TmSlDef, TSPX_TscDef)) |  |     |
| <b>Detailed Comments:</b>                                                                          |                                                                               |  |     |
| 1. To set up a full rate non hopping call and power level = 7.                                     |                                                                               |  |     |
| 2. To assign a full rate hopping channel with power level = 9, but the channel is not activated.   |                                                                               |  |     |
| 3. To set up a half rate non hopping call and power level = 7.                                     |                                                                               |  |     |
| 4. To assign a half rate channel with power level = 9, but the channel is not activated.           |                                                                               |  |     |
| 5. The expected ASSIGNMENT FAILURE with " protocol error unspecified" received on the old channel. |                                                                               |  |     |
| 6. The power level is not the old power level, fail.                                               |                                                                               |  |     |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                        |   |                         |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_6_4_2_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        |   |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                        |   |                         |
| <b>Purpose:</b>             |       | To test that, when the MS fails to seize the new channel, the MS reactivates the old channel. This is tested in the special cases of a transition: <ul style="list-style-type: none"> <li>- from SDCCH to hopping TCH/F; this test part is only applicable if the MS supports TCH/F.</li> <li>- from non-hopping SDCCH to hopping TCH/H; this test part is only applicable if the MS supports TCH/H.</li> <li>- from hopping TCH/F to hopping TCH/H; this test part is only applicable if the MS supports TCH/H.</li> </ul> |                                        |   |                         |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                        |   |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CRef                                   | V | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                        |   |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                        |   |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                             |                                        |   |                         |
| 4                           |       | (TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubB, C_CellA), TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubB, C_CellA))                                                                                                                                                                                                                                                                                                                                                                                                             |                                        |   |                         |
| 5                           |       | +PreEnterIdleState_Comb01(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                               |                                        |   | 1.                      |
| 6                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                        |   |                         |
| 7                           | body  | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01) |   |                         |
| 8                           |       | L?DL_RaInChRq (TCV_Rqr.ra := DL_RaInChRq.msg.ecau_rrf, TCV_Rqr.fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                                                                        | ChReq_01                               |   |                         |
| 9                           |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        |   | To match ChReq retrans. |
| 10                          |       | +gsmOrDcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                        |   |                         |
| 11                          |       | L?DL_EstInPgRes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PgRes_01                               |   |                         |
| 12                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                        |   | Restore Normal default  |
| 13                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |   |                         |
|                             |       | <b>localtree</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                        |   |                         |
| 14                          |       | (TCV_AssCmd := AsgnCmd_tchf_fh_01(C_S3,C_BCC))                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                        |   |                         |
| 15                          |       | +Adjust_gsmanddcs_powerlvl(0,3,TCV_AssCmd)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |   |                         |
| 16                          |       | +AssCh_failure(TCV_ch,TCV_AssCmd,FALSE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |   |                         |
| 17                          |       | [TSPC_FullRateOnly = TRUE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |   |                         |
| 18                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                        |   |                         |
| 19                          |       | [TSPC_DualRate = TRUE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                        |   |                         |
| 20                          |       | +localtree1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        |   |                         |
|                             |       | <b>localtree1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                        |   |                         |
| 21                          |       | (TCV_AssCmd := AsgnCmd_tchf_fh_02('001'B, TSPX_TscDef))                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |   |                         |
| 22                          |       | +Adjust_gsmanddcs_powerlvl(0,3,TCV_AssCmd)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |   |                         |
| 23                          |       | +AssCh_failure(TCV_ch,TCV_AssCmd,FALSE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |   |                         |
| 24                          |       | (TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                        |   |                         |
| 25                          |       | +FullRateCh_A_1_13(C_Ass, C_S3, C_BCC, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        |   | 4.                      |
| 26                          |       | (TCV_AssCmd := AsgnCmd_tchf_fh_01(C_S3,C_BCC))                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                        |   |                         |
| 27                          |       | +Adjust_gsmanddcs_powerlvl(0,3,TCV_AssCmd)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |   |                         |
| 28                          |       | +AssCh_complete(TCV_ch,TCV_chTch,TCV_AssCmd)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        |   |                         |
| 29                          |       | (TCV_AssCmd := AsgnCmd_tchf_fh_02('001'B, TSPX_TscDef))                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |   |                         |
| 30                          |       | +Adjust_gsmanddcs_powerlvl(0,3,T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                        |   |                         |

|    |  |                                             |  |                                                                                |
|----|--|---------------------------------------------|--|--------------------------------------------------------------------------------|
| 31 |  | CV_AssCmd)                                  |  |                                                                                |
|    |  | +AssCh_failure(TCV_chTch,TCV_AssCmd, FALSE) |  |                                                                                |
| 32 |  | +PostMainLinkRel(TCV_chTch)                 |  |                                                                                |
| 33 |  | <b>gsmOrDcs</b>                             |  |                                                                                |
|    |  | [TSPC_PGSM OR TSPC_EGSM]                    |  |                                                                                |
| 34 |  | L!DL_UdatRqImmass                           |  | ImmAss_r10(TCV_agch, TCV_Rqr.ra, TCV_Rqr.fn, TCV_slot, TCV_tsc, TimingAdv_r01) |
| 35 |  | [TSPC_DCS]                                  |  |                                                                                |
| 36 |  | L!DL_UdatRqImmass                           |  | ImmAss_r16(TCV_agch, TCV_Rqr.ra, TCV_Rqr.fn, TCV_slot, TCV_tsc, TimingAdv_r01) |

**Detailed Comments:**

1. Default parameters: CCCH combined with SDCCH4, Tx-integer = 5, Max-retrans = 1.
2. To assign a TCH/F hopping channel which is not activated.
3. To assign a TCH/H hopping channel which is not activated.
4. To setup a physical channel as TCH/F hopping channel.
5. To assign the TCH/F hopping channel which is now activated.

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                         |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_6_5_1_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                         |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                         |   |          |
| <b>Purpose:</b>             |       | To test that when the MS is ordered to make a non-synchronised handover it continuously sends access bursts on the main DCCH until it receives a PHYSICAL INFORMATION message from the SS. To test that the MS correctly handles the values of any Starting Time IE in the HANDOVER COMMAND message and the Timing Advance IE in the PHYSICAL INFORMATION message. To test that the MS activates the new channel correctly.                                                                           |                                                                                         |   |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                         |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | CRef                                                                                    | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                         |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                         |   |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                         |   |          |
| 4                           |       | +localtree_varinit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                         |   |          |
| 5                           |       | +PreEnterIdleState_201(C_Combined, C_Combined, C_Immass, TCV_slot, TCV_tsc, 5,7, 0, TimingAdv_03, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                      |                                                                                         |   |          |
| 6                           |       | +FullRateCh_HO_A_1(C_Ass, TCV_asscmd_ts, TCV_tsc, TimingAdv_03, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                         |   |          |
| 7                           |       | +EstMsTermFullRateCallNonFH(TimingAdv_03)                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                         |   | 1)       |
| 8                           |       | +FullRateCh_HO_B_1(C_Ass, TCV_ts, TCV_tsc, TimingAdv_03, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                         |   |          |
| 9                           | body  | LIDL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | HndOv_21_B(TCV_Horf, TCV_ch, TCV_ts, TCV_chdescr_arfcn, TCV_Pwrlvl_ho, TimingAdv_03iei) |   | 2)       |
| 10                          |       | +localtree_varinit2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                         |   |          |
| 11                          |       | +RR_hocomp1(500, TimingAdv_03)                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                         |   |          |
| 12                          | post  | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                         |   |          |
| 13                          |       | <b>localtree_varinit</b><br>+Varinit_fixcommon                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                         |   |          |
| 14                          |       | (TCV_cellid:=C_CellA, TCV_chdescr_arfcn:=C_arfcnA_HO, TCV_ch:=OC_SubchOfSdcch4(TSPX_SDCCH4SubA, C_CellA), TCV_sacch:=OC_SubchOfSacch4(TSPX_SDCCH4SubA, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_sacchTch_B:=C_SACCHF_B_1, TCV_PgCh:=C_PCH_A_1, TCV_ia_ts:= '000'B, TCV_asscmd_ts := TSPX_TmSlitA, TCV_ts:= TSPX_TmSlitB, TCV_Cntref:= TSPX_hoaccessA, TCV_Horf:= TSPX_horfA, TCV_Pwrlvl_ho:= TSPX_PwrlvlA) |                                                                                         |   |          |
| 15                          |       | <b>localtree_varinit2</b><br>(TCV_cellid:=C_CellB, TCV_chTch:=C_FACCHF_B_1, TCV_chdescr_arfcn:=TSPX_TCHcarrierB_ho)                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                         |   |          |
| <b>Detailed Comments:</b>   |       | 1) IUT enters state U10 with TCH/F_nonFH in cell A<br>2) HO from TCH/F_nonFH of cell A to TCH/F_nonFH in CELL B for GSM900 and DCS1800                                                                                                                                                                                                                                                                                                                                                                |                                                                                         |   |          |



| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_6_5_1_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                      |   |          |
| <b>Purpose:</b>             |       | To test that when the MS is ordered to make a non-synchronised handover it continuously sends access bursts on the main DCCH until it receives a PHYSICAL INFORMATION message from the SS. To test that the MS correctly handles the values of any Starting Time IE in the HANDOVER COMMAND message and the Timing Advance IE in the PHYSICAL INFORMATION message. To test that the MS activates the new channel correctly.                                                                                                          |                                                                      |   |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CRef                                                                 | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                      |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                      |   |          |
| 3                           |       | +IdleUpdated(C_CellB, C_Imm, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                      |   |          |
| 4                           |       | +localtree_varinit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                      |   |          |
| 5                           |       | +PreEnterIdleState_201(C_Combined, C_Combined, C_Imm, TCV_slot, TCV_tsc, 5,7, 0, TimingAdv_r02, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                      |   |          |
| 6                           |       | +FullRateCh_HO_B_1(C_Ass, TCV_asscmd_ts, TCV_tsc, TimingAdv_r02, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                      |   |          |
| 7                           |       | +EstMsTermFullRateCallNonFH(TimingAdv_r02)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                      |   | 1)       |
| 8                           |       | +FullRateCh_HO_A_1F1(C_Ass, TCV_ts, TCV_tsc, TimingAdv_r02, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                      |   |          |
| 9                           | body  | +ltree_hosend                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                      |   |          |
| 10                          |       | +localtree_varinit2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                      |   |          |
| 11                          |       | +RR_hocomp2(500, TimingAdv_r05)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                      |   |          |
| 12                          | post  | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                      |   |          |
| 13                          |       | <b>ltree_hosend</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                      |   |          |
| 14                          |       | [TSPC_PGSM OR TSPC_EGSM]<br>L!DL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | HndOv_22(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TimingAdv_r02iei)  |   | 2)       |
| 15                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                      |   |          |
| 16                          |       | L!DL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | HndOv_22d(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TimingAdv_r02iei) |   | 2)       |
| 17                          |       | <b>localtree_varinit</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                      |   |          |
| 18                          |       | +Varinit_fixcommon<br>(TCV_cellid:=C_CellB, TCV_chdescr_arfcn:= C_arfcnB_HO, TCV_ch:= OC_SubchOfSdcch4(TSPX_SDCCH4SubB, C_CellB), TCV_sacch:= OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubB, C_CellB), TCV_chTch := C_FACCHF_B_1, TCV_sacchTch_B := C_SACCHF_B_1, TCV_sacchTch := C_SACCHF_A_1, TCV_PgCh:= C_PCH_B_1, TCV_ia_ts:= '000'B, TCV_asscmd_ts:= TSPX_TmSltB, TCV_ts:= TSPX_TmSltNotZero, TCV_Cntref:= TSPX_hoaccessB, TCV_Horf:= TSPX_horfB, TCV_Pwrlvl_ho:= TSPX_PwrlvlA) |                                                                      |   |          |
| 19                          |       | <b>localtree_varinit2</b><br>(TCV_cellid:=C_CellA, TCV_ch:= C_FACCHF_A_1)                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                      |   |          |
| <b>Detailed Comments:</b>   |       | 1) IUT enters state U10 with TCH/F_nonFH in CELL B.<br>2) HO from TCH/F_nonFH of cell B to TCH/F_FH in CELL A.                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                      |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                     |   |          |
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| <b>Test Case Name:</b>      |       | TC_26_6_5_1_3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                     |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                     |   |          |
| <b>Purpose:</b>             |       | To test that when the MS is ordered to make a non-synchronised handover it continuously sends access bursts on the main DCCH until it receives a PHYSICAL INFORMATION message from the SS. To test that the MS correctly handles the values of any Starting Time IE in the HANDOVER COMMAND message and the Timing Advance IE in the PHYSICAL INFORMATION message. To test that the MS activates the new channel correctly.                                                                                |                                                                                                                                     |   |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                     |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | CRef                                                                                                                                | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                     |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                     |   |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                     |   |          |
| 4                           |       | +localtree_varinit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                     |   |          |
| 5                           |       | +PreEnterIdleState_201(C_Combined, C_Combined, C_Immass, TCV_slot, TCV_tsc, 5,7, 0, TimingAdv_03, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                     |   |          |
| 6                           |       | +FullRateCh_HO_A_1F1(C_Ass, TCV_asscmd_ts, TCV_tsc, TimingAdv_03, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                     |   |          |
| 7                           |       | +EstMsTermFullRateCallFH(TimingAdv_03)                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                     |   | 1)       |
| 8                           |       | (TCV_Fn := OM_ComingFn(TCV_ch), TCV_Null:= OM_SendNextOn(TCV_ch, TCV_Fn))                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                     |   |          |
| 9                           |       | +FullRateCh_HO_B_1(C_Ass, TCV_ts, TCV_tsc, TimingAdv_03, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                     |   |          |
| 10                          | body  | LIDL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | HndOv_21_B2(TCV_Horf, TCV_ch, TCV_ts, TCV_chdescr_arfcn, TCV_Pwrlvl_ho, TimingAdv_03iei, OC_StartTime(TCV_Fn, C_StartingTimeHO, 1)) |   | 2)       |
| 11                          |       | +localtree_varinit2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                     |   |          |
| 12                          |       | +RR_hocomp1(500, TimingAdv_03)                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                     |   |          |
| 13                          | post  | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                     |   |          |
|                             |       | <b>localtree_varinit</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                     |   |          |
| 14                          |       | +Varinit_fixcommon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                     |   |          |
| 15                          |       | (TCV_cellid:=C_CellA, TCV_chdescr_arfcn:= C_arfcnA_HO, TCV_ch:= OC_SubchOfSdcch4(TSPX_SDCCH4SubA, C_CellA), TCV_sacch:= OC_SubchOfSacch4(TSPX_SDCCH4SubA, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_sacchTch_B := C_SACCHF_B_1, TCV_PgCh:= C_PCH_A_1, TCV_ia_ts:= '000'B, TCV_asscmd_ts:= TSPX_TmSlitC, TCV_ts:= TSPX_TmSlitD, TCV_Cntref:= TSPX_hoaccessC, TCV_Horf:= TSPX_horfC, TCV_Pwrlvl_ho:= TSPX_PwrlvlB) |                                                                                                                                     |   |          |
|                             |       | <b>localtree_varinit2</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                     |   |          |
| 16                          |       | (TCV_cellid:=C_CellB, TCV_chdescr_arfcn:= TSPX_TCHcarrierB_ho, TCV_ch:= C_FACCHF_B_1)                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                     |   |          |
| <b>Detailed Comments:</b>   |       | 1) IUT enters state U10 with TCH/F_FH in cell A                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                     |   |          |
|                             |       | 2) HO from TCH/F_FH of cell A to TCH/F_nonFH in CELL B for GSM 900 and DCS1800                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                     |   |          |

| Test Case Dynamic Behaviour                                                                                                                                                                                                                                                                                                                                                                                                                 |       |                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |
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| <b>Test Case Name:</b> TC_26_6_5_1_4                                                                                                                                                                                                                                                                                                                                                                                                        |       |                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                           |       |                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |
| <b>Purpose:</b> To test that when the MS is ordered to make a non-synchronised handover it continuously sends access bursts on the main DCCH until it receives a PHYSICAL INFORMATION message from the SS. To test that the MS correctly handles the values of any Starting Time IE in the HANDOVER COMMAND message and the Timing Advance IE in the PHYSICAL INFORMATION message. To test that the MS activates the new channel correctly. |       |                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |
| <b>Default:</b> OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                          |       |                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |
| <b>Comments:</b> For GSM900 and DCS1800                                                                                                                                                                                                                                                                                                                                                                                                     |       |                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |
| Nr                                                                                                                                                                                                                                                                                                                                                                                                                                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                      | CRef                                                                    | V | Comments |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                         |   |          |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                           |       | +IdleUpdated(C_CellB, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                           |       | +localtree_varinit                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                         |   |          |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                           |       | +PreEnterIdleState_201(C_Combined, C_Combined, C_Immass, TCV_slot, TCV_tsc, 5,7, 0, TimingAdv_r02, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                          |                                                                         |   |          |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                           |       | +HalfRateCh_HO_B_1F1(C_Ass, TCV_asscmd_ts, TCV_tsc, TimingAdv_03, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                  |                                                                         |   |          |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                           |       | +EstMsTermHalfRateCallFH(TimingAdv_r02)                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |   | 1)       |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                           |       | +HalfRateCh_HO_A_1(C_Ass, TCV_ts, TCV_tsc, TimingAdv_03, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                           |                                                                         |   |          |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                           | body  | +ltree_hosend                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         |   |          |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | +localtree_varinit2                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                         |   |          |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | +RR_hocomp1(500, TimingAdv_03)                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                         |   |          |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                          | post  | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             |       | <b>ltree_hosend</b>                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                         |   |          |
| 13                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                         |   |          |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | L!DL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                            | HndOv_24_A1(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TimingAdv_r02iei)  |   | 2)       |
| 15                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |   |          |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | L!DL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                            | HndOv_24_A1d(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TimingAdv_r02iei) |   | 2)       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             |       | <b>localtree_varinit</b>                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                         |   |          |
| 17                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | +Varinit_fixcommon                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                         |   |          |
| 18                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | (TCV_cellid:=C_CellB, TCV_chdescr_arfcn:= C_arfcnB_HO, TCV_sacch:= OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubB, C_CellB), TCV_ch:= C_FACCH0_B_1, TCV_sacchTch_B := C_SACCH0_B_1, TCV_sacchTch := C_SACCH0_A_1, TCV_PgCh:= C_PCH_B_1, TCV_ia_ts:= '000'B, TCV_asscmd_ts:= TSPX_TmSltd, TCV_ts:= '000'B, TCV_Cntref:= TSPX_hoaccessD, TCV_Horf:= TSPX_horfD, TCV_Pwrlvl_ho:= TSPX_PwrlvlB) |                                                                         |   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             |       | <b>localtree_varinit2</b>                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                         |   |          |
| 19                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | (TCV_cellid:=C_CellA, TCV_ch:= C_FACCH0_A_1)                                                                                                                                                                                                                                                                                                                                                                                               |                                                                         |   |          |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                   |       |                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |
| 1) IUT enters state U10 with TCH/F_nonFH in cell B.                                                                                                                                                                                                                                                                                                                                                                                         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |
| 2) HO from TCH/F_nonFH of cell B to TCH/H_FH in CELL A.                                                                                                                                                                                                                                                                                                                                                                                     |       |                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                         |   |          |
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| <b>Test Case Name:</b>      |       | TC_26_6_5_1_5                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |   |          |
| <b>Purpose:</b>             |       | To test that when the MS is ordered to make a non-synchronised handover it continuously sends access bursts on the main DCCH until it receives a PHYSICAL INFORMATION message from the SS. To test that the MS correctly handles the values of any Starting Time IE in the HANDOVER COMMAND message and the Timing Advance IE in the PHYSICAL INFORMATION message. To test that the MS activates the new channel correctly.                                                   |                                                                         |   |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CRef                                                                    | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |   |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                               |                                                                         |   |          |
| 4                           |       | +localtree_varinit                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |
| 5                           |       | +PreEnterIdleState_201(C_Combined, C_Combined, C_Immass, TCV_slot, TCV_tsc, 5,7, 0, TimingAdv_r02, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                             |                                                                         |   |          |
| 6                           |       | +HalfRateCh_HO_A_1(C_Ass, TCV_asscmd_ts, TCV_tsc, TimingAdv_r02, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| 7                           |       | +EstMsTermHalfRateCallNonFH(TimingAdv_r02)                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |   | 1)       |
| 8                           |       | +HalfRateCh_HO_B_1F1(C_Ass, TCV_ts, TCV_tsc, TimingAdv_r02, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |   |          |
| 9                           | body  | +ltree_hosend                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |   |          |
| 10                          |       | +localtree_varinit2                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |   |          |
| 11                          |       | +RR_hocomp2(500, TimingAdv_r05)                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                         |   |          |
| 12                          | post  | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |   |          |
| 13                          |       | <b>ltree_hosend</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |   |          |
| 14                          |       | [TSPC_PGSM OR TSPC_EGSM]<br>LIDL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                   | HndOv_24_B1(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TimingAdv_r02iei)  |   | 2)       |
| 15                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |   |          |
| 16                          |       | LIDL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                               | HndOv_24_B1d(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TimingAdv_r02iei) |   | 2)       |
| 17                          |       | <b>localtree_varinit</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| 18                          |       | +Varinit_fixcommon<br>(TCV_cellid:=C_CellA, TCV_chdescr_arfcn:= C_arfcnA_HO, TCV_sacch:= OC_SubchOfSacch4(TSPX_SDCCH4SubA, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB), TCV_ch:= C_FACCH0_A_1, TCV_sacchTch := C_SACCH0_A_1, TCV_sacchTch_B := C_SACCH0_B_1, TCV_PgCh:= C_PCH_A_1, TCV_ia_ts:= '000'B, TCV_asscmd_ts:= TSPX_TmSlitE, TCV_ts:= TSPX_TmSlitNotZero, TCV_Cntref:= TSPX_hoaccessE, TCV_Horf:= TSPX_horfE, TCV_Pwrlvl_ho:= TSPX_PwrlvlC) |                                                                         |   |          |
| 19                          |       | <b>localtree_varinit2</b><br>(TCV_cellid:=C_CellB, TCV_ch:= C_FACCH0_B_1)                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |          |
| <b>Detailed Comments:</b>   |       | 1) IUT enters state U10 with TCH/H_FH in cell A.<br>2) HO from TCH/F_nonFH of cell B to TCH/H_FH in CELL B.                                                                                                                                                                                                                                                                                                                                                                   |                                                                         |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                          |   |          |
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| <b>Test Case Name:</b>      |       | TC_26_6_5_1_6                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                          |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                          |   |          |
| <b>Purpose:</b>             |       | To test that when the MS is ordered to make a non-synchronised handover it continuously sends access bursts on the main DCCH until it receives a PHYSICAL INFORMATION message from the SS. To test that the MS correctly handles the values of any Starting Time IE in the HANDOVER COMMAND message and the Timing Advance IE in the PHYSICAL INFORMATION message. To test that the MS activates the new channel correctly.                              |                                                                                          |   |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                          |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                    | CRef                                                                                     | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                          |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                          |   |          |
| 3                           |       | +IdleUpdated(C_CellB, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                          |                                                                                          |   |          |
| 4                           |       | +localtree_varinit                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                          |   |          |
| 5                           |       | +PreEnterIdleState_201(C_Combined, C_Combined, C_Immass, TCV_slot, TCV_tsc, 5,7, 0, TimingAdv_03, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                         |                                                                                          |   |          |
| 6                           |       | +HalfRateCh_HO_B_1F1(C_Ass, TCV_asscmd_ts, TCV_tsc, TimingAdv_r02, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                               |                                                                                          |   |          |
| 7                           |       | +EstMsTermHalfRateCallFH(TimingAdv_03)                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                          |   | 1)       |
| 8                           |       | +HalfRateCh_HO_A_1F1(C_Ass, TCV_ts, TCV_tsc, TimingAdv_r02, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                      |                                                                                          |   |          |
| 9                           | body  | (TCV_Fn := OM_ComingFn(TCV_ch), TCV_Null:= OM_SendNextOn(TCV_ch, TCV_Fn))                                                                                                                                                                                                                                                                                                                                                                                |                                                                                          |   |          |
| 10                          |       | LIDL_DatRqHoCmd(DL_DatRqHoCmd.msg.strt:= OC_StartTime(TCV_Fn, C_StartingTimeHO, 1))                                                                                                                                                                                                                                                                                                                                                                      | HndOv_23_A1(TCV_Horf, TCV_ch, TCV_ts, TCV_chdescr_arfcn, TCV_Pwrlvl_ho, TimingAdv_03iei) |   | 2)       |
| 11                          |       | +localtree_varinit2                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                          |   |          |
| 12                          |       | +RR_hocomp1(500, TimingAdv_03)                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                          |   |          |
| 13                          | post  | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                          |   |          |
|                             |       | <b>localtree_varinit</b>                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                          |   |          |
| 14                          |       | +Varinit_fixcommon                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                          |   |          |
| 15                          |       | (TCV_cellid:=C_CellB, TCV_chdescr_arfcn:= C_arfcnB_HO, TCV_sacch:= OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubB, C_CellB), TCV_ch := C_FACCH0_B_1, TCV_sacchTch_B := C_SACCH0_B_1, TCV_sacchTch := C_SACCH0_A_1, TCV_PgCh:= C_PCH_B_1, TCV_ia_ts:= '000'B, TCV_asscmd_ts:= TSPX_TmSlitF, TCV_ts:= TSPX_TmSlitNotZero, TCV_Cntref:= TSPX_hoaccessF, TCV_Horf:= TSPX_horfF, TCV_Pwrlvl_ho:= TSPX_PwrlvlC) |                                                                                          |   |          |
|                             |       | <b>localtree_varinit2</b>                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                          |   |          |
| 16                          |       | (TCV_cellid:=C_CellA, TCV_chdescr_arfcn:= 10, TCV_ch:= C_FACCH0_A_1)                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                          |   |          |
| <b>Detailed Comments:</b>   |       | 1) IUT enters state U10 with TCH/H_FH in CELL B.<br>2) HO from TCH/F_nonFH of cell B to TCH/H_nonFH in CELL A.                                                                                                                                                                                                                                                                                                                                           |                                                                                          |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                         |   |          |
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| <b>Test Case Name:</b>      |       | TC_26_6_5_1_7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |          |
| <b>Purpose:</b>             |       | To test that when the MS is ordered to make a non-synchronised handover it continuously sends access bursts on the main DCCH until it receives a PHYSICAL INFORMATION message from the SS. To test that the MS correctly handles the values of any Starting Time IE in the HANDOVER COMMAND message and the Timing Advance IE in the PHYSICAL INFORMATION message. To test that the MS activates the new channel correctly.                                                                                                             |                                                                         |   |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CRef                                                                    | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |   |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                         |   |          |
| 4                           |       | +localtree_varinit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| 5                           |       | +PreEnterIdleState_201(C_Combined, C_Combined, C_Immass, TCV_slot, TCV_tsc, 5,7, 0, TimingAdv_r02, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 6                           |       | +FullRateCh_HO_A_1(C_Ass, TCV_asscmd_ts, TCV_tsc, TimingAdv_r02, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                         |   |          |
| 7                           |       | +EstMsTermFullRateCallNonFH(TimingAdv_r02)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         |   | 1)       |
| 8                           |       | +HalfRateCh_HO_B_1F2(C_Ass, TCV_ts, TCV_tsc, TimingAdv_r02, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |          |
| 9                           | body  | +ltree_hosend                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |   |          |
| 10                          |       | +localtree_varinit2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |          |
| 11                          |       | +RR_hocomp2(500, TimingAdv_r05)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                         |   |          |
| 12                          | post  | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |   |          |
| 13                          |       | <b>ltree_hosend</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |          |
| 14                          |       | [TSPC_PGSM OR TSPC_EGSM]<br>LIDL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | HndOv_24_B3(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TimingAdv_r02iei)  |   | 2)       |
| 15                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         |   |          |
| 16                          |       | LIDL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | HndOv_24_B3d(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TimingAdv_r02iei) |   | 2)       |
| 17                          |       | <b>localtree_varinit</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                         |   |          |
| 18                          |       | +Varinit_fixcommon<br>(TCV_cellid:=C_CellA, TCV_chdescr_arfcn:= C_arfcnA_HO, TCV_ch:= OC_SubchOfSdcch4(TSPX_SDCCH4SubA, C_CellA), TCV_sacch:= OC_SubchOfSacch4(TSPX_SDCCH4SubA, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_sacchTch_B := C_SACCHH0_B_1, TCV_PgCh:= C_PCH_A_1, TCV_ia_ts:= '000'B, TCV_asscmd_ts:= TSPX_TmSlitG, TCV_ts:= TSPX_TmSlitNotZero, TCV_Cntref:= TSPX_hoaccessG, TCV_Horf:= TSPX_horfG, TCV_Pwrlvl_ho:= TSPX_PwrlvlD) |                                                                         |   |          |
| 19                          |       | <b>localtree_varinit2</b><br>(TCV_cellid:=C_CellB, TCV_chdescr_arfcn:= C_arfcnB_HO, TCV_ch:= C_FACCHH0_B_1)                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                         |   |          |
| <b>Detailed Comments:</b>   |       | 1) IUT enters state U10 with TCH/F_nonFH in cell A<br>2) HO from TCH/F_nonFH of cell A to TCH/H_FH in CELL B.                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                          |   |          |
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| <b>Test Case Name:</b>      |       | TC_26_6_5_1_8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                          |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                          |   |          |
| <b>Purpose:</b>             |       | To test that when the MS is ordered to make a non-synchronised handover it continuously sends access bursts on the main DCCH until it receives a PHYSICAL INFORMATION message from the SS. To test that the MS correctly handles the values of any Starting Time IE in the HANDOVER COMMAND message and the Timing Advance IE in the PHYSICAL INFORMATION message. To test that the MS activates the new channel correctly.                                                                  |                                                                                          |   |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                          |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CRef                                                                                     | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                          |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                          |   |          |
| 3                           |       | +IdleUpdated(C_CellB, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                          |   |          |
| 4                           |       | +localtree_varinit                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                          |   |          |
| 5                           |       | +PreEnterIdleState_201(C_Combined, C_Combined, C_Immass, TCV_slot, TCV_tsc, 5, 7, 0, TimingAdv_r02, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                           |                                                                                          |   |          |
| 6                           |       | +HalfRateCh_HO_B_1F1(C_Ass, TCV_asscmd_ts, TCV_tsc, TimingAdv_r02, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                          |   |          |
| 7                           |       | +FullRateCh_HO_A_1(C_Ass, TCV_ts, TCV_tsc, TimingAdv_r02, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                          |   |          |
| 8                           |       | +EstMsTermHalfRateCallFH(TimingAdv_r02)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                          |   | 1)       |
| 9                           | body  | L!DL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | HndOv_21_A(TCV_Horf, TCV_ch, TCV_ts, TCV_chdescr_arfcn, TCV_Pwrlvl_ho, TimingAdv_r02iei) |   | 2)       |
| 10                          |       | +localtree_varinit2                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                          |   |          |
| 11                          |       | +RR_hocomp2(500, TimingAdv_r05)                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                          |   |          |
| 12                          | post  | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                          |   |          |
| 13                          |       | <b>localtree_varinit</b><br>+Varinit_fixcommon                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                          |   |          |
| 14                          |       | (TCV_cellid:=C_CellB, TCV_chdescr_arfcn:=C_arfcnB_HO, TCV_ch:=OC_SubchOfSdcch4(TSPX_SDCCH4SubB, C_CellB), TCV_sacch:=OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch_B:=OC_SubchOfSacch4(TSPX_SDCCH4SubB, C_CellB), TCV_chTch:=C_FACCH0_B_1, TCV_sacchTch_B:=C_SACCH0_B_1, TCV_sacchTch:=C_SACCH_A_1, TCV_PgCh:=C_PCH_B_1, TCV_ia_ts:= '000'B, TCV_asscmd_ts:=TSPX_TmSltA, TCV_ts:=TSPX_TmSltNotZero, TCV_Cntref:=TSPX_hoaccessH, TCV_Horf:=TSPX_horfH, TCV_Pwrlvl_ho:=TSPX_PwrlvlD) |                                                                                          |   |          |
| 15                          |       | <b>localtree_varinit2</b><br>(TCV_cellid:=C_CellA, TCV_chdescr_arfcn:=C_arfcnA_HO, TCV_ch:=C_FACCH_A_1)                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                          |   |          |
| <b>Detailed Comments:</b>   |       | 1) IUT enters state U10 with TCH/F_FH in CELL B.<br>2) HO from TCH/F_nonFH of cell B to TCH/F_nonFH in CELL A.                                                                                                                                                                                                                                                                                                                                                                               |                                                                                          |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |   |          |
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| <b>Test Case Name:</b>      |       | TC_26_6_5_2_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| <b>Purpose:</b>             |       | To test that when the MS is ordered to make a Non-synchronised handover, it continuously sends access bursts on the main DCCH until it receives a PHYSICAL INFORMATION from the SS. To test that the MS correctly takes the values of the Timing Advance and Starting Time information elements into account. To test that the MS activates the new channel correctly. To test that the MS correctly retransmits Layer 3 MM or CC messages, that were not acknowledged by Layer 2 before the Handover, after completion of the Handover. |                                                                         |   |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CRef                                                                    | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |   |          |
| 4                           |       | +localtree_varinit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 5                           |       | +PreEnterIdleState_202(C_Combined, C_Combined, C_Immass, TCV_slot, TCV_tsc, 5, 7, 0, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 6                           |       | +FullRateCh_HO_B_1F2(C_Ass, TCV_ts, TCV_tsc, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| 7                           |       | (TCV_Null := OM_NotAckSetup(TCV_ch))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |          |
| 8                           |       | +EstMsOrigTCHF_init(C_CHSDCCH4_NonFH, 1, TimingAdv_r01)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                         |   |          |
| 9                           |       | L?DL_DatInSetup (TCV_Mt := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SetupIn_01                                                              |   | 1)       |
| 10                          | body  | +ltree_hosend                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |
| 11                          |       | +localtree_varinit2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| 12                          |       | +RR_hocomp1(500, TimingAdv_03)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |   | 2)       |
| 13                          |       | L?DL_DatInSetup (TCV_Mt1 := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SetupIn_01                                                              |   | 3)       |
| 14                          |       | +localtree_mt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   | 4)       |
| 15                          | post  | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |          |
| 16                          |       | <b>ltree_hosend</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| 17                          |       | [TSPC_PGSM OR TSPC_EGSM]<br>LIDL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | HndOv_22_B1(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TimingAdv_r01iei)  |   | 2)       |
| 18                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                         |   |          |
| 19                          |       | LIDL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | HndOv_22_B1d(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TimingAdv_r01iei) |   | 2)       |
| 20                          |       | <b>localtree_varinit</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |   |          |
| 21                          |       | +Varinit_fixcommon<br>(TCV_cellid:=C_CellA, TCV_chdescr_arfcn:= C_arfcnA_HO, TCV_ch:= OC_SubchOfSdcch4(TSPX_SDCCH4SubA, C_CellA), TCV_sacch:= OC_SubchOfSacch4(TSPX_SDCCH4SubA, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB), TCV_sacchTch_B := C_SACCHF_B_1, TCV_PgCh:= C_PCH_A_1, TCV_ia_ts:= '000'B, TCV_ts:= '000'B, TCV_Cntref:= TSPX_hoaccessA, TCV_Horf:= TSPX_horfA, TCV_Pwrlvl_ho:= TSPX_PwrlvlA)                                                                                                      |                                                                         |   |          |
| 22                          |       | <b>localtree_varinit2</b><br>(TCV_cellid:=C_CellB, TCV_chdescr_arfcn:= C_arfcnB_HO, TCV_ch:= C_FACCHF_B_1)                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                         |   |          |



|                           |  |                                                                                                                                                                                                                                                 |  |     |
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| 23                        |  | <b>localtree_mt</b>                                                                                                                                                                                                                             |  |     |
| 24                        |  | [TCV_Mt1 = TCV_Mt]                                                                                                                                                                                                                              |  | (P) |
|                           |  | [TCV_Mt1 <> TCV_Mt]                                                                                                                                                                                                                             |  | (F) |
| <b>Detailed Comments:</b> |  | 1) L2_frame with the Setup will not be acknowledged by the SS_L2.<br>2) HO from SDCCH/4_nonFH to TCH/F_FH.<br>3) Last L3-msg shall be retransmitted by the MS with the same sequence number of last L3-msg.<br>4) Check of the sequence number. |  |     |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |   |          |
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| <b>Test Case Name:</b>      |       | TC_26_6_5_2_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| <b>Purpose:</b>             |       | To test that when the MS is ordered to make a non-synchronised handover, it continuously sends access bursts on the main DCCH until it receives a PHYSICAL INFORMATION from the SS. To test that the MS correctly takes the values of the Timing Advance and Starting Time information elements into account. To test that the MS activates the new channel correctly. To test that the MS correctly retransmits Layer 3 MM or CC messages, that were not acknowledged by Layer 2 before the Handover, after completion of the Handover. |                                                                         |   |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CRef                                                                    | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |   |          |
| 4                           |       | +localtree_varinit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 5                           |       | +PreEnterIdleState_202(C_Combined, C_Combined, C_Immass, TCV_slot, TCV_tsc, 5, 7, 0, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 6                           |       | +HalfRateCh_HO_B_1F3(C_Ass, TCV_ts, TCV_tsc, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| 7                           |       | (TCV_Null := OM_NotAckSetup(TCV_ch))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |          |
| 8                           |       | +EstMsOrigTCHF_init(C_CHSDCCH4_NonFH, 1, TimingAdv_r01)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                         |   |          |
| 9                           |       | L?DL_DatInSetup (TCV_Mt := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SetupIn_01                                                              |   | 1)       |
| 10                          | body  | +ltree_hosend                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |
| 11                          |       | +localtree_varinit2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| 12                          |       | +RR_hocomp1(500, TimingAdv_03)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |   | 2)       |
| 13                          |       | L?DL_DatInSetup (TCV_Mt1 := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SetupIn_01                                                              |   | 3)       |
| 14                          |       | +localtree_mt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   | 4)       |
| 15                          | post  | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |          |
| 16                          |       | <b>ltree_hosend</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| 17                          |       | [TSPC_PGSM OR TSPC_EGSM]<br>LIDL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | HndOv_24_B2(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TimingAdv_r01iei)  |   | 2)       |
| 18                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                         |   |          |
| 19                          |       | LIDL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | HndOv_24_B2d(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TimingAdv_r01iei) |   | 2)       |
| 20                          |       | <b>localtree_varinit</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |   |          |
| 21                          |       | +Varinit_fixcommon<br>(TCV_cellid:=C_CellA, TCV_chdescr_arfcn:= C_arfcnA_HO, TCV_ch:= OC_SubchOfSdcch4(TSPX_SDCCH4SubA, C_CellA), TCV_sacch:= OC_SubchOfSacch4(TSPX_SDCCH4SubA, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB), TCV_sacchTch_B := C_SACCH0_B_1, TCV_PgCh:= C_PCH_A_1, TCV_ia_ts:= '000'B, TCV_ts:= TSPX_TmSlitNotZero, TCV_Cntref:= TSPX_hoaccessB, TCV_Horf:= TSPX_horfB, TCV_Pwrlvl_ho:= TSPX_PwrlvlA)                                                                                          |                                                                         |   |          |
| 22                          |       | <b>localtree_varinit2</b><br>(TCV_cellid:=C_CellB, TCV_chdescr_arfcn:= C_arfcnB_HO, TCV_ch:= C_FACCH0_B_1)                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                         |   |          |

|                           |  |                                                                                                                                                                                                                                                 |  |     |
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| 23                        |  | <b>localtree_mt</b>                                                                                                                                                                                                                             |  |     |
| 24                        |  | [TCV_Mt1 = TCV_Mt]                                                                                                                                                                                                                              |  | (P) |
|                           |  | [TCV_Mt1 <> TCV_Mt]                                                                                                                                                                                                                             |  | (F) |
| <b>Detailed Comments:</b> |  | 1) L2_frame with the Setup will not be acknowledged by the SS_L2.<br>2) HO from SDCCH/4_nonFH to TCH/H_FH.<br>3) Last L3-msg shall be retransmitted by the MS with the same sequence number of last L3-msg.<br>4) Check of the sequence number. |  |     |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |   |          |
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| <b>Test Case Name:</b>      |       | TC_26_6_5_2_3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| <b>Purpose:</b>             |       | To test that when the MS is ordered to make a non-synchronised handover, it continuously sends access bursts on the main DCCH until it receives a PHYSICAL INFORMATION from the SS. To test that the MS correctly takes the values of the Timing Advance and Starting Time information elements into account. To test that the MS activates the new channel correctly. To test that the MS correctly retransmits Layer 3 MM or CC messages, that were not acknowledged by Layer 2 before the Handover, after completion of the Handover. |                                                                         |   |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CRef                                                                    | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |   |          |
| 4                           |       | +localtree_varinit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 5                           |       | +PreEnterIdleState_202(C_Combined, C_Combined, C_Immass, TCV_slot, TCV_tsc, 5, 7, 0, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 6                           |       | (TCV_sacchTch_B := OC_SubchOfSacch8(TSPX_SDCCH8SubA, C_CellB, 1))                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                         |   |          |
| 7                           |       | +SDCCH8_HO_B_1_1F(C_Ass, TCV_ts, TCV_tsc, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                         |   |          |
| 8                           |       | (TCV_Null := OM_NotAckSetup(TCV_ch))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |          |
| 9                           |       | +EstMsOrigTCHF_init(C_CHSDCCH4_NonFH, 1, TimingAdv_r01)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                         |   |          |
| 10                          |       | L?DL_DatInSetup (TCV_Mt := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SetupIn_01                                                              |   | 1)       |
| 11                          | body  | +ltree_hosend                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |
| 12                          |       | +localtree_varinit2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| 13                          |       | +RR_hocomp1(1500, TimingAdv_03)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |   | 2)       |
| 14                          |       | L?DL_DatInSetup (TCV_Mt1 := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SetupIn_01                                                              |   | 3)       |
| 15                          |       | +localtree_mt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   | 4)       |
| 16                          | post  | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |          |
| <b>ltree_hosend</b>         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |   |          |
| 17                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |   |          |
| 18                          |       | LIDL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | HndOv_28_B1(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TimingAdv_r01iei)  |   | 2)       |
| 19                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                         |   |          |
| 20                          |       | LIDL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | HndOv_28_B1d(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TimingAdv_r01iei) |   | 2)       |
| <b>localtree_varinit</b>    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |   |          |
| 21                          |       | +Varinit_fixcommon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 22                          |       | (TCV_cellid:=C_CellA, TCV_chdescr_arfcn:= C_arfcnA_HO, TCV_ch:= OC_SubchOfSdcch4(TSPX_SDCCH4SubA, C_CellA), TCV_sacch:= OC_SubchOfSacch4(TSPX_SDCCH4SubA, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB), TCV_PgCh:= C_PCH_A_1, TCV_ia_ts:= '000'B, TCV_ts:= '000'B, TCV_Cntref:= TSPX_hoaccessC, TCV_Horf:= TSPX_horfC, TCV_Pwrlvl_ho:= TSPX_PwrlvlB)                                                                                                                                                            |                                                                         |   |          |
| <b>localtree_varinit2</b>   |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |   |          |

|                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                |  |     |  |
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| 23                                                                                                                                                                                                                                                                                                                                             | (TCV_cellid:=C_CellB, TCV_chdescr_arfcn:=<br>C_arfcnB_HO, TCV_ch := OC_SubchOfSdcch8(<br>TSPX_SDCCH8SubA, C_CellB, 1),<br>TCV_sacchTch_B := OC_SubchOfSacch8(<br>TSPX_SDCCH8SubA, C_CellB, 1)) |  |     |  |
| 24                                                                                                                                                                                                                                                                                                                                             | <b>localtree_mt</b><br>[TCV_Mt1 = TCV_Mt]                                                                                                                                                      |  | (P) |  |
| 25                                                                                                                                                                                                                                                                                                                                             | [TCV_Mt1 <> TCV_Mt]                                                                                                                                                                            |  | (F) |  |
| <b>Detailed Comments:</b> <ol style="list-style-type: none"> <li>1) L2_frame with the Setup will not be acknowledged by the SS_L2.</li> <li>2) HO from SDCCH/4_nonFH to SDCCH8_FH.</li> <li>3) Last L3-msg shall be retransmitted by the MS with the same sequence number of last L3-msg.</li> <li>4) Check of the sequence number.</li> </ol> |                                                                                                                                                                                                |  |     |  |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |   |          |
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| <b>Test Case Name:</b>      |       | TC_26_6_5_2_4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| <b>Purpose:</b>             |       | To test that when the MS is ordered to make a non-synchronised handover, it continuously sends access bursts on the main DCCH until it receives a PHYSICAL INFORMATION from the SS. To test that the MS correctly takes the values of the Timing Advance and Starting Time information elements into account. To test that the MS activates the new channel correctly. To test that the MS correctly retransmits Layer 3 MM or CC messages, that were not acknowledged by Layer 2 before the Handover, after completion of the Handover. |                                                                         |   |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CRef                                                                    | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |   |          |
| 4                           |       | +localtree_varinit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 5                           |       | +PreEnterIdleState_202(C_NotCombined, C_NotCombined, C_Immass, TCV_slot, TCV_tsc, 5, 7, 0, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |   |          |
| 6                           |       | +SDCCH8_HO_A_1_1(C_Ass, TCV_ia_ts, TCV_tsc, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 7                           |       | (TCV_sacch8 := OC_SubchOfSacch8(TSPX_SDCCH8SubA, C_CellB, 1))                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |
| 8                           |       | +SDCCH8_HO_B_1_2F(C_Ass, TCV_ts, TCV_tsc, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                         |   |          |
| 9                           |       | (TCV_Null := OM_NotAckSetup(TCV_ch))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |          |
| 10                          |       | +EstMsOrigTCHF_init(C_CHSDCC H8_NonFH, 1, TimingAdv_r01)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |   |          |
| 11                          |       | L?DL_DatInSetup (TCV_Mt := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SetupIn_01                                                              |   | 1)       |
| 12                          | body  | +ltree_hosend                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |
| 13                          |       | +localtree_varinit2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| 14                          |       | +RR_hocomp1(1500, TimingAdv_03)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |   | 2)       |
| 15                          |       | L?DL_DatInSetup (TCV_Mt1 := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SetupIn_01                                                              |   | 3)       |
| 16                          |       | +localtree_mt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   | 4)       |
| 17                          | post  | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |          |
| 18                          |       | <b>ltree_hosend</b><br>[TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |   |          |
| 19                          |       | LIDL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | HndOv_28_B2(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TimingAdv_r01iei)  |   | 2)       |
| 20                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                         |   |          |
| 21                          |       | LIDL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | HndOv_28_B2d(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TimingAdv_r01iei) |   | 2)       |
| 22                          |       | <b>localtree_varinit</b><br>+Varinit_fixcommon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |   |          |
| 23                          |       | (TCV_cellid:=C_CellA, TCV_chdescr_arfcn:= C_arfcnA_HO, TCV_PgCh:= C_PCH_A_1, TCV_ia_ts:= TSPX_TmSlitNotZero, TCV_ts:= TSPX_TmSlitNotZero, TCV_Cntref:= TSPX_hoaccessD, TCV_Horf:= TSPX_horfD, TCV_Pwrlvl_ho:= TSPX_PwrlvlB, TCV_ch := OC_SubchOfSdcch8( TSPX_SDCCH8SubA, C_CellA, 1), TCV_sacch8 := OC_SubchOfSacch8(                                                                                                                                                                                                                    |                                                                         |   |          |

|                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                          |  |     |
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|                                                                                                                                                                                                                                                                                                                                                      | TSPX_SDCCH8SubA, C_CellA, 1))                                                                                                                                                                                                                                                                                            |  |     |
| 24                                                                                                                                                                                                                                                                                                                                                   | <p><b>localtree_varinit2</b><br/>                 (TCV_cellid:=C_CellB, TCV_chdescr_arfcn:=<br/>                 C_arfcnB_HO, TCV_ch := OC_SubchOfSdcch8(<br/>                 TSPX_SDCCH8SubA, C_CellB, 1), TCV_sacch8 :=<br/>                 OC_SubchOfSacch8( TSPX_SDCCH8SubA,<br/>                 C_CellB, 1))</p> |  |     |
| 25                                                                                                                                                                                                                                                                                                                                                   | <p><b>localtree_mt</b><br/>                 [TCV_Mt1 = TCV_Mt]</p>                                                                                                                                                                                                                                                       |  | (P) |
| 26                                                                                                                                                                                                                                                                                                                                                   | [TCV_Mt1 <> TCV_Mt]                                                                                                                                                                                                                                                                                                      |  | (F) |
| <p><b>Detailed Comments:</b></p> <ol style="list-style-type: none"> <li>1) L2_frame with the Setup will not be acknowledged by the SS_L2.</li> <li>2) HO from SDCCH8_NonFH to SDCCH8_FH.</li> <li>3) Last L3-msg shall be retransmitted by the MS with the same sequence number of last L3-msg.</li> <li>4) Check of the sequence number.</li> </ol> |                                                                                                                                                                                                                                                                                                                          |  |     |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                           |     |          |
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| <b>Test Case Name:</b>      |       | TC_26_6_5_2_5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                           |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                           |     |          |
| <b>Purpose:</b>             |       | To test that when the MS is ordered to make a non-synchronised handover, it continuously sends access bursts on the main DCCH until it receives a PHYSICAL INFORMATION from the SS. To test that the MS correctly takes the values of the Timing Advance and Starting Time information elements into account. To test that the MS activates the new channel correctly. To test that the MS correctly retransmits Layer 3 MM or CC messages, that were not acknowledged by Layer 2 before the Handover, after completion of the Handover. |                                                                                           |     |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                           |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CRef                                                                                      | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                           |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                           |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                           |     |          |
| 4                           |       | +localtree_varinit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                           |     |          |
| 5                           |       | +PreEnterIdleState_202(C_Combined, C_Combined, C_Immass, TCV_slot, TCV_tsc, 5, 7, 0, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                           |     |          |
| 6                           |       | +FullRateCh_HO_A_1(C_Ass, TCV_ia_ts, TCV_tsc, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                           |     |          |
| 7                           |       | +HalfRateCh_HO_B_1(C_Ass, TCV_ts, TCV_tsc, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                           |     |          |
| 8                           |       | (TCV_Null := OM_NotAckSetup(TCV_ch))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                           |     |          |
| 9                           |       | +EstMsOrigTCHF_init(C_CHTCHF_NonFH, 1, TimingAdv_r01)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                           |     |          |
| 10                          |       | L?DL_DatInSetup (TCV_Mt := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SetupIn_01                                                                                |     | 1)       |
| 11                          | body  | L!DL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | HndOv_23_B1(TCV_Horf, TCV_ch, TCV_ts, TCV_chdescr_arfcn, TCV_Pwrlvl_ho, TimingAdv_r01iei) |     |          |
| 12                          |       | +localtree_varinit2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                           |     |          |
| 13                          |       | +RR_hocomp1(750, TimingAdv_03)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                           |     | 2)       |
| 14                          |       | L?DL_DatInSetup (TCV_Mt1 := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SetupIn_01                                                                                |     | 3)       |
| 15                          |       | +localtree_mt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                           |     | 4)       |
| 16                          | post  | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                           |     |          |
| 17                          |       | <b>localtree_varinit</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                           |     |          |
| 18                          |       | +Varinit_fixcommon<br>(TCV_cellid:=C_CellA, TCV_chdescr_arfcn:= C_arfcnA_HO, TCV_sacch:= OC_SubchOfSacch4(TSPX_SDCCH4SubA, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB), TCV_ch:= C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_sacchTch_B := C_SACCHH0_B_1, TCV_PgCh:= C_PCH_A_1, TCV_ia_ts:= TSPX_TmSlitNotZero, TCV_ts:= TSPX_TmSlitNotZero, TCV_Cntref:= TSPX_hoaccessE, TCV_Horf:= TSPX_horfE, TCV_Pwrlvl_ho:= TSPX_PwrlvlB)                                                                             |                                                                                           |     |          |
| 19                          |       | <b>localtree_varinit2</b><br>(TCV_cellid:=C_CellB, TCV_chdescr_arfcn:= C_arfcnB_HO, TCV_ch:= C_FACCHH0_B_1)                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                           |     |          |
| 20                          |       | <b>localtree_mt</b><br>[TCV_Mt1 = TCV_Mt]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                           | (P) |          |



|                                                                                                                                                                                                                                                                                                                                          |                     |     |
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| 21                                                                                                                                                                                                                                                                                                                                       | [TCV_Mt1 <> TCV_Mt] | (F) |
| <b>Detailed Comments:</b> <ul style="list-style-type: none"><li>1) L2_frame with the Setup will not be acknowledged by the SS_L2.</li><li>2) HO from TCH/F_NonFH to TCH/H_NonFH</li><li>3) Last L3-msg shall be retransmitted by the MS with the same sequence number of last L3-msg.</li><li>4) Check of the sequence number.</li></ul> |                     |     |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_6_5_2_6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| <b>Purpose:</b>             |       | To test that when the MS is ordered to make a non-synchronised handover, it continuously sends access bursts on the main DCCH until it receives a PHYSICAL INFORMATION from the SS. To test that the MS correctly takes the values of the Timing Advance and Starting Time information elements into account. To test that the MS activates the new channel correctly. To test that the MS correctly retransmits Layer 3 MM or CC messages, that were not acknowledged by Layer 2 before the Handover, after completion of the Handover. |                                                                         |   |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CRef                                                                    | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |   |          |
| 4                           |       | +localtree_varinit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 5                           |       | +PreEnterIdleState_202(C_Combined, C_Combined, C_Immass, TCV_slot, TCV_tsc, 5, 7, 0, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 6                           |       | +HalfRateCh_HO_A_1F2(C_Ass, TCV_ia_ts, TCV_tsc, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                         |   |          |
| 7                           |       | +FullRateCh_HO_B_1F3(C_Ass, TCV_ts, TCV_tsc, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| 8                           |       | (TCV_Null := OM_NotAckSetup(TCV_ch))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |          |
| 9                           |       | +EstMsOrigTCHF_init(C_CHTCHH_FH, 2, TimingAdv_r01)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 10                          |       | L?DL_DatInSetup (TCV_Mt := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SetupIn_01                                                              |   | 1)       |
| 11                          | body  | +ltree_hosend                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |
| 12                          |       | +localtree_varinit2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| 13                          |       | +RR_hocomp1(500, TimingAdv_03)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |   | 2)       |
| 14                          |       | L?DL_DatInSetup (TCV_Mt1 := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SetupIn_01                                                              |   | 3)       |
| 15                          |       | +localtree_mt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   | 4)       |
| 16                          | post  | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |          |
|                             |       | <b>ltree_hosend</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| 17                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |   |          |
| 18                          |       | LIDL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | HndOv_22_B2(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TimingAdv_r01iei)  |   | 2)       |
| 19                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                         |   |          |
| 20                          |       | LIDL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | HndOv_22_B2d(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TimingAdv_r01iei) |   | 2)       |
|                             |       | <b>localtree_varinit</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |   |          |
| 21                          |       | +Varinit_fixcommon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 22                          |       | (TCV_cellid:=C_CellA, TCV_ch:=C_FACCHH0_A_1, TCV_sacch:=OC_SubchOfSacch4( TSPX_SDCCH4SubA, C_CellA), TCV_sacch_B := OC_SubchOfSacch4( TSPX_SDCCH4SubDef, C_CellB), TCV_ch:=C_FACCHH0_A_1, TCV_sacchTch :=C_SACCHH0_A_1, TCV_sacchTch_B :=C_SACCHF_B_1, TCV_PgCh:=C_PCH_A_1, TCV_ia_ts:= TSPX_TmSlTc, TCV_ts:= TSPX_TmSlTf, TCV_Cntref:= TSPX_hoaccessF,                                                                                                                                                                                  |                                                                         |   |          |

|                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                         |  |                       |  |
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| <p>23</p> <p>24</p> <p>25</p>                                                                                                                                                                                                                                                                                                                 | <p>TCV_Horf:= TSPX_horfF, TCV_Pwrlvl_ho:=<br/>TSPX_Pwrlvl(C)</p> <p><b>localtree_varinit2</b><br/>(TCV_cellid:=C_CellB, TCV_chdescr_arfcn:=<br/>C_arfcnB_HO, TCV_ch:= C_FACCHF_B_1)</p> <p><b>localtree_mt</b><br/>[TCV_Mt1 = TCV_Mt]<br/>[TCV_Mt1 &lt;&gt; TCV_Mt]</p> |  | <p>(P)</p> <p>(F)</p> |  |
| <p><b>Detailed Comments:</b></p> <ol style="list-style-type: none"> <li>1) L2_frame with the Setup will not be acknowledged by the SS_L2.</li> <li>2) HO from TCHH_FH to TCH/F_FH</li> <li>3) Last L3-msg shall be retransmitted by the MS with the same sequence number of last L3-msg.</li> <li>4) Check of the sequence number.</li> </ol> |                                                                                                                                                                                                                                                                         |  |                       |  |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_6_5_2_7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| <b>Purpose:</b>             |       | To test that when the MS is ordered to make a non-synchronised handover, it continuously sends access bursts on the main DCCH until it receives a PHYSICAL INFORMATION from the SS. To test that the MS correctly takes the values of the Timing Advance and Starting Time information elements into account. To test that the MS activates the new channel correctly. To test that the MS correctly retransmits Layer 3 MM or CC messages, that were not acknowledged by Layer 2 before the Handover, after completion of the Handover. |                                                                         |   |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CRef                                                                    | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |   |          |
| 4                           |       | +localtree_varinit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 5                           |       | +PreEnterIdleState_202(C_Combined, C_Combined, C_Immass, TCV_slot, TCV_tsc, 5, 7, 0, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 6                           |       | +FullRateCh_HO_A_1F2(C_Ass, TCV_ia_ts, TCV_tsc, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                         |   |          |
| 7                           |       | +FullRateCh_HO_B_1F4(C_Ass, TCV_ts, TCV_tsc, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| 8                           |       | (TCV_Null := OM_NotAckSetup(TCV_ch))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |          |
| 9                           |       | +EstMsOrigTCHF_init(C_CHTCHF_FH, 1, TimingAdv_r01)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 10                          |       | L?DL_DatInSetup (TCV_Mt := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SetupIn_01                                                              |   | 1)       |
| 11                          | body  | +ltree_hosend                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |
| 12                          |       | +localtree_varinit2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| 13                          |       | +RR_hocomp1(500, TimingAdv_03)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |   | 2)       |
| 14                          |       | L?DL_DatInSetup (TCV_Mt1 := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SetupIn_01                                                              |   | 3)       |
| 15                          |       | +localtree_mt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   | 4)       |
| 16                          | post  | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |          |
|                             |       | <b>ltree_hosend</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| 17                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |   |          |
| 18                          |       | LIDL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | HndOv_22_B3(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TimingAdv_r01iei)  |   | 2)       |
| 19                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                         |   |          |
| 20                          |       | LIDL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | HndOv_22_B3d(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TimingAdv_r01iei) |   | 2)       |
|                             |       | <b>localtree_varinit</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |   |          |
| 21                          |       | +Varinit_fixcommon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 22                          |       | (TCV_cellid:=C_CellA, TCV_sacch:=OC_SubchOfSacch4( TSPX_SDCCH4SubA, C_CellA), TCV_sacch_B := OC_SubchOfSacch4( TSPX_SDCCH4SubDef, C_CellB), TCV_ch:=C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_sacchTch_B := C_SACCHF_B_1, TCV_PgCh:= C_PCH_A_1, TCV_ia_ts:= TSPX_TmSltd, TCV_ts:= TSPX_TmSltdG, TCV_Cntref:= TSPX_hoaccessG, TCV_Horf:= TSPX_horfG, TCV_Pwrlvl_ho:=                                                                                                                                                                |                                                                         |   |          |

|                                                                                               |                                                                                                               |  |     |
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|                                                                                               | TSPX_PwrlvIC)                                                                                                 |  |     |
| 23                                                                                            | <b>localtree_varinit2</b><br>(TCV_cellid:=C_CellB, TCV_chdescr_arfcn:=<br>C_arfcnB_HO, TCV_ch:= C_FACCHF_B_1) |  |     |
| 24                                                                                            | <b>localtree_mt</b><br>[TCV_Mt1 = TCV_Mt]                                                                     |  | (P) |
| 25                                                                                            | [TCV_Mt1 <> TCV_Mt]                                                                                           |  | (F) |
| <b>Detailed Comments:</b>                                                                     |                                                                                                               |  |     |
| 1) L2_frame with the Setup will not be acknowledged by the SS_L2.                             |                                                                                                               |  |     |
| 2) HO from TCHH_FH to TCH/F_FH                                                                |                                                                                                               |  |     |
| 3) Last L3-msg shall be retransmitted by the MS with the same sequence number of last L3-msg. |                                                                                                               |  |     |
| 4) Check of the sequence number.                                                              |                                                                                                               |  |     |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                          |   |          |
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| <b>Test Case Name:</b>      |       | TC_26_6_5_2_8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                          |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                          |   |          |
| <b>Purpose:</b>             |       | To test that when the MS is ordered to make a non-synchronised handover, it continuously sends access bursts on the main DCCH until it receives a PHYSICAL INFORMATION from the SS. To test that the MS correctly takes the values of the Timing Advance and Starting Time information elements into account. To test that the MS activates the new channel correctly. To test that the MS correctly retransmits Layer 3 MM or CC messages, that were not acknowledged by Layer 2 before the Handover, after completion of the Handover. |                                                                                          |   |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                          |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CRef                                                                                     | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                          |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                          |   |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                          |   |          |
| 4                           |       | +localtree_varinit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                          |   |          |
| 5                           |       | +PreEnterIdleState_202(C_Combined, C_Combined, C_Immass, TCV_slot, TCV_tsc, 5, 7, 0, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                          |   |          |
| 6                           |       | +SDCCH8_HO_A_1_1F(C_Ass, TCV_ia_ts, TCV_tsc, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                          |   |          |
| 7                           |       | +FullRateCh_HO_B_1(C_Ass, TCV_ts, TCV_tsc, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                          |   |          |
| 8                           |       | (TCV_Null := OM_NotAckSetup(TCV_ch))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                          |   |          |
| 9                           |       | +EstMsOrigTCHF_init(C_CHSDCCH8_FH, 1, TimingAdv_r01)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                          |   |          |
| 10                          |       | L?DL_DatInSetup (TCV_Mt := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SetupIn_01                                                                               |   | 1)       |
| 11                          | body  | L!DL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | HndOv_21_B(TCV_Horf, TCV_ch, TCV_ts, TCV_chdescr_arfcn, TCV_Pwrlvl_ho, TimingAdv_r01iei) |   |          |
| 12                          |       | +localtree_varinit2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                          |   |          |
| 13                          |       | +RR_hocomp1(500, TimingAdv_03)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                          |   | 2)       |
| 14                          |       | L?DL_DatInSetup (TCV_Mt1 := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SetupIn_01                                                                               |   | 3)       |
| 15                          |       | +localtree_mt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                          |   | 4)       |
| 16                          | post  | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                          |   |          |
| 17                          |       | <b>localtree_varinit</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                          |   |          |
| 18                          |       | +Varinit_fixcommon<br>(TCV_cellid:=C_CellA, TCV_sacch:= OC_SubchOfSacch4( TSPX_SDCCH4SubA, C_CellA), TCV_sacch_B := OC_SubchOfSacch4( TSPX_SDCCH4SubDef, C_CellB), TCV_sacchTch_B := C_SACCHF_B_1, TCV_PgCh:= C_PCH_A_1, TCV_ia_ts:= TSPX_TmSltE, TCV_ts:= TSPX_TmSltA, TCV_Cntref:= TSPX_hoaccessH, TCV_Horf:= TSPX_horfH, TCV_Pwrlvl_ho:= TSPX_PwrlvlD, TCV_ch := OC_SubchOfSdcch8( TSPX_SDCCH8SubA, C_CellA, 1), TCV_sacch8 := OC_SubchOfSacch8( TSPX_SDCCH8SubA, C_CellA, 1))                                                        |                                                                                          |   |          |
| 19                          |       | <b>localtree_varinit2</b><br>(TCV_cellid:=C_CellB, TCV_chdescr_arfcn:= TSPX_TCHcarrierB_ho, TCV_ch:= C_FACCHF_B_1, TCV_sacchTch_B := C_SACCHF_B_1)                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                          |   |          |
|                             |       | <b>localtree_mt</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                          |   |          |

|                                                                                               |                     |     |
|-----------------------------------------------------------------------------------------------|---------------------|-----|
| 20                                                                                            | [TCV_Mt1 = TCV_Mt]  | (P) |
| 21                                                                                            | [TCV_Mt1 <> TCV_Mt] | (F) |
| <b>Detailed Comments:</b>                                                                     |                     |     |
| 1) L2_frame with the Setup will not be acknowledged by the SS_L2.                             |                     |     |
| 2) HO from TCHH_FH to TCH/F_FH                                                                |                     |     |
| 3) Last L3-msg shall be retransmitted by the MS with the same sequence number of last L3-msg. |                     |     |
| 4) Check of the sequence number.                                                              |                     |     |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_6_5_2_9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| <b>Purpose:</b>             |       | To test that when the MS is ordered to make a non-synchronised handover, it continuously sends access bursts on the main DCCH until it receives a PHYSICAL INFORMATION from the SS. To test that the MS correctly takes the values of the Timing Advance and Starting Time information elements into account. To test that the MS activates the new channel correctly. To test that the MS correctly retransmits Layer 3 MM or CC messages, that were not acknowledged by Layer 2 before the Handover, after completion of the Handover. |                                                                         |   |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CRef                                                                    | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |   |          |
| 4                           |       | +localtree_varinit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 5                           |       | +PreEnterIdleState_202(C_Combined, C_Combined, C_Immass, TCV_slot, TCV_tsc, 5, 7, 0, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 6                           |       | +SDCCH8_HO_A_1_1(C_Ass, TCV_ia_ts, TCV_tsc, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 7                           |       | +FullRateCh_HO_B_1F5(C_Ass, TCV_ts, TCV_tsc, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| 8                           |       | (TCV_Null := OM_NotAckSetup(TCV_ch))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |          |
| 9                           |       | +EstMsOrigTCHF_init(C_CHSDCCH8_NonFH, 1, TimingAdv_r01)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                         |   |          |
| 10                          |       | L?DL_DatInSetup (TCV_Mt := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SetupIn_01                                                              |   | 1)       |
| 11                          | body  | +ltree_hosend                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |
| 12                          |       | +localtree_varinit2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| 13                          |       | +RR_hocomp1(500, TimingAdv_03)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |   |          |
| 14                          |       | L?DL_DatInSetup (TCV_Mt1 := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SetupIn_01                                                              |   | 3)       |
| 15                          |       | +localtree_mt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   | 4)       |
| 16                          | post  | +ChanRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                         |   |          |
| 17                          |       | <b>ltree_hosend</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| 18                          |       | [TSPC_PGSM OR TSPC_EGSM]<br>LIDL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | HndOv_22_B4(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TimingAdv_r01iei)  |   | 2)       |
| 19                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                         |   |          |
| 20                          |       | LIDL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | HndOv_22_B4d(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TimingAdv_r01iei) |   | 2)       |
| 21                          |       | <b>localtree_varinit</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |   |          |
| 22                          |       | +Varinit_fixcommon<br>(TCV_cellid:=C_CellA, TCV_sacch:= OC_SubchOfSacch4( TSPX_SDCCH4SubA, C_CellA), TCV_sacch_B := OC_SubchOfSacch4( TSPX_SDCCH4SubDef, C_CellB), TCV_chdescr_arfcn:= C_arfcnA_HO, TCV_PgCh:= C_PCH_A_1, TCV_ia_ts:= TSPX_TmSlfF, TCV_ts:= TSPX_TmSlfB, TCV_Cntref:= TSPX_hoaccessl, TCV_Horf:= TSPX_horfI, TCV_Pwrlvl_ho:= TSPX_PwrlvlD, TCV_ch := OC_SubchOfSdcch8( TSPX_SDCCH8SubA, C_CellA, 1), TCV_sacch8 := OC_SubchOfSacch8(                                                                                     |                                                                         |   |          |



|                                                                                                                                                                                                                                                                                                              |                                                                                                              |  |     |
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|                                                                                                                                                                                                                                                                                                              | TSPX_SDCCH8SubA, C_CellA, 1),<br>TCV_sacchTch_B := C_SACCHF_B_1)                                             |  |     |
| 23                                                                                                                                                                                                                                                                                                           | <b>localtree_varinit2</b><br>(TCV_cellid:=C_CellB, TCV_ch:= C_FACCHF_B_1,<br>TCV_sacchTch_B := C_SACCHF_B_1) |  |     |
| 24                                                                                                                                                                                                                                                                                                           | <b>localtree_mt</b><br>[TCV_Mt1 = TCV_Mt]                                                                    |  | (P) |
| 25                                                                                                                                                                                                                                                                                                           | [TCV_Mt1 <> TCV_Mt]                                                                                          |  | (F) |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                    |                                                                                                              |  |     |
| <ol style="list-style-type: none"> <li>1) L2_frame with the Setup will not be acknowledged by the SS_L2.</li> <li>2) HO from TCHH_FH to TCH/F_FH</li> <li>3) Last L3-msg shall be retransmitted by the MS with the same sequence number of last L3-msg.</li> <li>4) Check of the sequence number.</li> </ol> |                                                                                                              |  |     |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |   |          |
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| <b>Test Case Name:</b>      |       | TC_26_6_5_2_10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| <b>Purpose:</b>             |       | To test that when the MS is ordered to make a non-synchronised handover, it continuously sends access bursts on the main DCCH until it receives a PHYSICAL INFORMATION from the SS. To test that the MS correctly takes the values of the Timing Advance and Starting Time information elements into account. To test that the MS activates the new channel correctly. To test that the MS correctly retransmits Layer 3 MM or CC messages, that were not acknowledged by Layer 2 before the Handover, after completion of the Handover. |                                                                         |   |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CRef                                                                    | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |   |          |
| 4                           |       | +localtree_varinit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 5                           |       | +PreEnterIdleState_202(C_Combined, C_Combined, C_Immass, TCV_slot, TCV_tsc, 5, 7, 0, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 6                           |       | +SDCCH8_HO_A_1_1(C_Ass, TCV_ia_ts, TCV_tsc, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |          |
| 7                           |       | +HalfRateCh_HO_B_1F4(C_Ass, TCV_ts, TCV_tsc, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| 8                           |       | (TCV_Null := OM_NotAckSetup(TCV_ch))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |          |
| 9                           |       | +EstMsOrigTCHF_init(C_CHSDCCH8_NonFH, 1, TimingAdv_r01)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                         |   |          |
| 10                          |       | L?DL_DatInSetup (TCV_Mt := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SetupIn_01                                                              |   | 1)       |
| 11                          | body  | +ltree_hosend                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |          |
| 12                          |       | +localtree_varinit2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| 13                          |       | +RR_hocomp1(500, TimingAdv_03)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |   | 2)       |
| 14                          |       | L?DL_DatInSetup (TCV_Mt1 := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SetupIn_01                                                              |   | 3)       |
| 15                          |       | +localtree_mt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   | 4)       |
| 16                          | post  | +ChanRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| 17                          |       | <b>ltree_hosend</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |          |
| 18                          |       | [TSPC_PGSM OR TSPC_EGSM]<br>LIDL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | HndOv_24_B4(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TimingAdv_r01iei)  |   | 2)       |
| 19                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                         |   |          |
| 20                          |       | LIDL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | HndOv_24_B4d(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TimingAdv_r01iei) |   | 2)       |
| 21                          |       | <b>localtree_varinit</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |   |          |
| 22                          |       | +Varinit_fixcommon<br>(TCV_cellid:=C_CellA, TCV_sacch:= OC_SubchOfSacch4( TSPX_SDCCH4SubA, C_CellA), TCV_sacch_B := OC_SubchOfSacch4( TSPX_SDCCH4SubDef, C_CellB), TCV_chdescr_arfcn:= C_arfcnA_HO, TCV_sacchTch_B := C_SACCHH0_B_1, TCV_PgCh:= C_PCH_A_1, TCV_ia_ts:= TSPX_TmSlTg, TCV_ts:= TSPX_TmSlTc, TCV_Cntref:= TSPX_hoaccessJ, TCV_Horf:= TSPX_horfJ, TCV_Pwrlvl_ho:= TSPX_PwrlvlD, TCV_ch := OC_SubchOfSdcch8(                                                                                                                  |                                                                         |   |          |

|                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                               |  |     |  |
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| 23                                                                                                                                                                                                                                                                                                                                            | <p>TSPX_SDCCH8SubA, C_CellA, 1), TCV_sacch8 :=<br/> OC_SubchOfSacch8( TSPX_SDCCH8SubA,<br/> C_CellA, 1))</p> <p><b>localtree_varinit2</b><br/> (TCV_cellid :=C_CellB, TCV_ch :=<br/> C_FACCHH0_B_1, TCV_sacchTch_B :=<br/> C_SACCHH0_B_1)</p> |  |     |  |
| 24                                                                                                                                                                                                                                                                                                                                            | <p><b>localtree_mt</b><br/> [TCV_Mt1 = TCV_Mt]</p>                                                                                                                                                                                            |  | (P) |  |
| 25                                                                                                                                                                                                                                                                                                                                            | <p>[TCV_Mt1 &lt;&gt; TCV_Mt]</p>                                                                                                                                                                                                              |  | (F) |  |
| <p><b>Detailed Comments:</b></p> <ol style="list-style-type: none"> <li>1) L2_frame with the Setup will not be acknowledged by the SS_L2.</li> <li>2) HO from TCHH_FH to TCH/F_FH</li> <li>3) Last L3-msg shall be retransmitted by the MS with the same sequence number of last L3-msg.</li> <li>4) Check of the sequence number.</li> </ol> |                                                                                                                                                                                                                                               |  |     |  |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                            |   |          |
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| <b>Test Case Name:</b>      |       | TC_26_6_5_3_1                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                            |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                            |   |          |
| <b>Purpose:</b>             |       | To test that when the MS is ordered to make a finely synchronised handover to a synchronised cell, it sends 4 access bursts on the main DCCH and then activates the channel correctly, taking into account the value of any Starting Time information element and correctly calculating the timing advance to use.                                                                                                                                    |                                                                                            |   |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                            |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                 | CRef                                                                                       | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                            |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                            |   |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                       |                                                                                            |   |          |
| 4                           |       | +localtree_varinit                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                            |   |          |
| 5                           |       | +PreEnterIdleState_202(C_Combined, C_Combined, C_Immass, TCV_slot, TCV_tsc, 5, 7, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                     |                                                                                            |   |          |
| 6                           |       | +FullRateCh_HO_A_1F1(C_Ass, TCV_ia_ts, TCV_tsc, TimAdv_y, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                     |                                                                                            |   |          |
| 7                           |       | +EstMsTermFullRateCallFH(TimingAdv_01)                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                            |   | 1)       |
| 8                           |       | +FullRateCh_HO_B_1(C_Ass, TCV_ts, TCV_tsc, TimAdv_yplusk, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                     |                                                                                            |   |          |
| 9                           | body  | LIDL_DatRqHoCmd(DL_DatRqHoCmd.msg.synchi := Synchi_05)                                                                                                                                                                                                                                                                                                                                                                                                | HndOv_21_B(TCV_Horf, TCV_ch, TCV_ts, TCV_chdescr_arfcn, TCV_Pwrlvl_ho, TimAdv_ykmod256iei) |   | 2)       |
| 10                          |       | +localtree_varinit2                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                            |   |          |
| 11                          |       | +RR_hocomp3(500)                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                            |   |          |
| 12                          | post  | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                            |   |          |
| <b>localtree_varinit</b>    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                            |   |          |
| 13                          |       | +Varinit_fixcommon                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                            |   |          |
| 14                          |       | (TCV_cellid:=C_CellA, TCV_ch:= OC_SubchOfSdcch4( TSPX_SDCCH4SubB, C_CellA), TCV_sacch:= OC_SubchOfSacch4( TSPX_SDCCH4SubB, C_CellA), TCV_sacch_B := OC_SubchOfSacch4( TSPX_SDCCH4SubDef, C_CellB), TCV_chTch:= C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_sacchTch_B := C_SACCHF_B_1, TCV_PgCh:= C_PCH_A_1, TCV_ia_ts:= '000'B, TCV_asscmd_ts := TSPX_TmSlitA, TCV_ts:= TSPX_TmSlitNotZero, TCV_Horf:= TSPX_horfA, TCV_Pwrlvl_ho:= TSPX_PwrlvlD) |                                                                                            |   |          |
| <b>localtree_varinit2</b>   |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                            |   |          |
| 15                          |       | (TCV_cellid:=C_CellB, TCV_chdescr_arfcn:= TSPX_TCHcarrierB_ho, TCV_ch:= C_FACCHF_B_1)                                                                                                                                                                                                                                                                                                                                                                 |                                                                                            |   |          |
| <b>Detailed Comments:</b>   |       | 1) IUT enters state U10 with TCH/F_nonFH in cell A<br>2) HO from TCH/F_FH of cell A to TCH/F_nonFH in CELL B.                                                                                                                                                                                                                                                                                                                                         |                                                                                            |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                             |   |          |
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| <b>Test Case Name:</b>      |       | TC_26_6_5_3_2                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                             |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                             |   |          |
| <b>Purpose:</b>             |       | To test that when the MS is ordered to make a finely synchronised handover to a synchronised cell, it sends 4 access bursts on the main DCCH and then activates the channel correctly, taking into account the value of any Starting Time information element and correctly calculating the timing advance to use.                                                                                                                                   |                                                                                             |   |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                             |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                | CRef                                                                                        | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                             |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                             |   |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                      |                                                                                             |   |          |
| 4                           |       | +localtree_varinit                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                             |   |          |
| 5                           |       | +PreEnterIdleState_202(C_Combined, C_Combined, C_Immass, TCV_slot, TCV_tsc, 5, 7, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                    |                                                                                             |   |          |
| 6                           |       | +HalfRateCh_HO_A_1F1(C_Ass, TCV_asscmd_ts, TCV_tsc, TimAdv_y, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                |                                                                                             |   |          |
| 7                           |       | +EstMsTermHalfRateCallFH(TimingAdv_01)                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                             |   | 1)       |
| 8                           |       | +HalfRateCh_HO_B_1(C_Ass, TCV_asscmd_ts, TCV_tsc, TimAdv_yplusk, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                             |                                                                                             |   |          |
| 9                           | body  | LIDL_DatRqHoCmd(DL_DatRqHoCmd.msg.synchi := Synchi_05)                                                                                                                                                                                                                                                                                                                                                                                               | HndOv_23_B1(TCV_Horf, TCV_ch, TCV_ts, TCV_chdescr_arfcn, TCV_Pwrlvl_ho, TimAdv_ykmod256iei) |   | 2)       |
| 10                          |       | +localtree_varinit2                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                             |   |          |
| 11                          |       | +RR_hocomp3(500)                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                             |   |          |
| 12                          | post  | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                             |   |          |
| <b>localtree_varinit</b>    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                             |   |          |
| 13                          |       | +Varinit_fixcommon                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                             |   |          |
| 14                          |       | (TCV_cellid:=C_CellA, TCV_ch:= OC_SubchOfSdcch4( TSPX_SDCCH4SubB, C_CellA), TCV_sacch:= OC_SubchOfSacch4( TSPX_SDCCH4SubB, C_CellA), TCV_sacch_B := OC_SubchOfSacch4( TSPX_SDCCH4SubDef, C_CellB), TCV_chTch := C_FACCH0_A_1, TCV_sacchTch := C_SACCH0_A_1, TCV_sacchTch_B := C_SACCH0_B_1, TCV_PgCh:= C_PCH_A_1, TCV_ia_ts:= '000'B, TCV_asscmd_ts := TSPX_TmSltB, TCV_ts:= TSPX_TmSltNotZero, TCV_Horf:= TSPX_horfB, TCV_Pwrlvl_ho:= TSPX_PwrlvlC) |                                                                                             |   |          |
| <b>localtree_varinit2</b>   |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                             |   |          |
| 15                          |       | (TCV_cellid:=C_CellB, TCV_chdescr_arfcn:= C_arfcnB_HO, TCV_ch:= C_FACCH0_B_1)                                                                                                                                                                                                                                                                                                                                                                        |                                                                                             |   |          |
| <b>Detailed Comments:</b>   |       | 1) IUT enters state U10 with TCH/H_nonFH in cell A<br>2) HO from TCH/H_FH of cell A to TCH/H_nonFH in CELL B.                                                                                                                                                                                                                                                                                                                                        |                                                                                             |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                           |     |          |
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| <b>Test Case Name:</b>      |       | TC_26_6_5_4_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                           |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                           |     |          |
| <b>Purpose:</b>             |       | To test that when the MS is ordered to make a finely synchronised handover to a synchronised cell, it sends 4 access bursts on the main DCCH and then activates the channel correctly, taking into account the value of any Starting Time information element and correctly calculating the timing advance to use. To test that the MS correctly retransmits Layer 3 MM or CC messages that were not acknowledged by Layer 2 before the Handover, after completion of the Handover. |                                                                           |     |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                           |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                               | CRef                                                                      | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                           |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                           |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                     |                                                                           |     |          |
| 4                           |       | +localtree_varinit                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                           |     |          |
| 5                           |       | +PreEnterIdleState_202( C_NotCombined, C_NotCombined, C_Immass, TCV_slot, TCV_tsc, 5, 7, 0, TimingAdv_01, '000'B, '000'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                            |                                                                           |     |          |
| 6                           |       | +SDCCH8_HO_A_1_2F(C_Ass, TCV_ia_ts, TCV_tsc, TimAdv_y, '000'B, '000'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                           |     |          |
| 7                           |       | (TCV_sacch8 := OC_SubchOfSacch8(TSPX_SDCCH8SubA, C_CellB, 1))                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                           |     |          |
| 8                           |       | +SDCCH8_HO_B_1_3F(C_Ass, TCV_ia_ts, TCV_tsc, TimAdv_yplusk, '000'B, '000'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                           |     |          |
| 9                           |       | (TCV_Null := OM_NotAckSetup(TCV_ch))                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                           |     |          |
| 10                          |       | +EstMsOrigTCHF_init(C_CHSDCC H8_FH, 2, TimAdv_y)                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                           |     |          |
| 11                          |       | L?DL_DatInSetup (TCV_Mt := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                                                                                    | SetupIn_01                                                                | (P) | 1)       |
| 12                          | body  | +ltree_hosend                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                           |     |          |
| 13                          |       | +localtree_varinit2                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                           |     |          |
| 14                          |       | +RR_hocomp1(1500, TimingAdv_03)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                           |     | 3)       |
| 15                          |       | L?DL_DatInSetup (TCV_Mt1 :=DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                                                                                    | SetupIn_01                                                                |     | 4)       |
| 16                          |       | +localtree_mt                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                           |     | 5)       |
| 17                          | post  | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                           |     |          |
| 18                          |       | <b>ltree_hosend</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                           |     |          |
| 19                          |       | [TSPC_PGSM OR TSPC_EGSM]<br>L!DL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                         | HndOv_28_B3(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TimAdv_ykmod256iei)  |     | 2)       |
| 20                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                           |     |          |
| 21                          |       | L!DL_DatRqHoCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | HndOv_28_B3d(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TimAdv_ykmod256iei) |     | 2)       |
| 22                          |       | <b>localtree_varinit</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                           |     |          |
| 23                          |       | +Varinit_fixcommon<br>(TCV_cellid:=C_CellA, TCV_sacch:= OC_SubchOfSacch4( TSPX_SDCCH4SubDef, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB), TCV_PgCh:= C_PCH_A_1, TCV_ia_ts:= TSPX_TmSlitNotZero, TCV_ts:= TSPX_TmSlitNotZero, TCV_Cntref:= TSPX_hoaccessA, TCV_Horf:= TSPX_horfA, TCV_Pwrlvl_ho:= TSPX_PwrlvlA, TCV_ch :=                                                                                                                                  |                                                                           |     |          |

|                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                             |  |     |  |
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| 24                                                                                                                                                                                                                                                                                                                                                                                               | <p>OC_SubchOfSdcch8( TSPX_SDCCH8SubA,<br/>C_CellA, 1), TCV_sacch8 := OC_SubchOfSacch8(<br/>TSPX_SDCCH8SubA, C_CellA, 1))</p> <p><b>localtree_varinit2</b><br/>(TCV_cellid:=C_CellB, TCV_ch :=<br/>OC_SubchOfSdcch8( TSPX_SDCCH8SubA,<br/>C_CellB, 1), TCV_sacch8 := OC_SubchOfSacch8(<br/>TSPX_SDCCH8SubA, C_CellB, 1))</p> <p><b>localtree_mt</b><br/>[TCV_Mt1 = TCV_Mt]<br/>[TCV_Mt1 &lt;&gt; TCV_Mt]</p> |  |     |  |
| 25                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                             |  | (P) |  |
| 26                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                             |  | (F) |  |
| <p><b>Detailed Comments:</b></p> <ol style="list-style-type: none"> <li>1) L2_frame with the Setup will not be acknowledged by the SS_L2.</li> <li>2) HO from SDCCH/8_FH to SDCCH/8_FH</li> <li>3) HO Complete in synchronized case.</li> <li>3) Last L3-msg shall be retransmitted by the MS with the same sequence number of last L3-msg.</li> <li>4) Check of the sequence number.</li> </ol> |                                                                                                                                                                                                                                                                                                                                                                                                             |  |     |  |

| Test Case Dynamic Behaviour                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |                                                                                                                                                                                                                                                                                                                                                            |                                                                                              |     |          |
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| <b>Test Case Name:</b> TC_26_6_5_4_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |                                                                                                                                                                                                                                                                                                                                                            |                                                                                              |     |          |
| <b>Group:</b> GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |                                                                                                                                                                                                                                                                                                                                                            |                                                                                              |     |          |
| <b>Purpose:</b> To test that when the MS is ordered to make a finely synchronised handover to a synchronised cell, it sends 4 access bursts on the main DCCH and then activates the channel correctly, taking into account the value of any Starting Time information element and correctly calculating the timing advance to use. To test that the MS correctly retransmits Layer 3 MM or CC messages that were not acknowledged by Layer 2 before the Handover, after completion of the Handover. |       |                                                                                                                                                                                                                                                                                                                                                            |                                                                                              |     |          |
| <b>Default:</b> OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       |                                                                                                                                                                                                                                                                                                                                                            |                                                                                              |     |          |
| Nr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                      | CRef                                                                                         | V   | Comments |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                         |                                                                                              |     |          |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                       |                                                                                              |     |          |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                            |                                                                                              |     |          |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       | +localtree_varinit                                                                                                                                                                                                                                                                                                                                         |                                                                                              |     |          |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       | +PreEnterIdleState_202(C_Combined, C_Combined, C_Immass, TCV_slot, TCV_tsc, 5, 7, 0, TimAdv_y, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                              |                                                                                              |     |          |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       | +SDCCH8_HO_A_1_3F(C_Ass, TCV_ia_ts, TCV_tsc, TimAdv_yplusk, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                        |                                                                                              |     |          |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       | (TCV_Null := OM_NotAckSetup(TCV_ch))                                                                                                                                                                                                                                                                                                                       |                                                                                              |     |          |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       | +EstMsOrigTCHF_init(C_CHSDCCH8_FH, 3, TimAdv_yplusk)                                                                                                                                                                                                                                                                                                       |                                                                                              |     |          |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       | L?DL_DatInSetup (TCV_Mt := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                           | SetupIn_01                                                                                   | (P) | 1)       |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       | (TCV_Fn := OM_ComingFn(TCV_ch), TCV_Null:= OM_SendNextOn(TCV_ch, TCV_Fn))                                                                                                                                                                                                                                                                                  |                                                                                              |     |          |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | body  | L!DL_DatRqHoCmd( DL_DatRqHoCmd.msg.synchi := Synchi_05, DL_DatRqHoCmd.msg.strt:= OC_StartTime(TCV_Fn, C_StartingTimeHO, 1))                                                                                                                                                                                                                                | HndOv_25_B1(TCV_Horf, TCV_ch, TCV_ts, TCV_chdescr_arfcn, TCV_Pwrlvl_ho, TimAdv_ykmod256iei ) |     | 2)       |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       | +localtree_varinit2                                                                                                                                                                                                                                                                                                                                        |                                                                                              |     |          |
| 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       | +RR_hocomp1(1500, TimingAdv_03)                                                                                                                                                                                                                                                                                                                            |                                                                                              |     | 3)       |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       | L?DL_DatInSetup (TCV_Mt1 :=DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                           | SetupIn_01                                                                                   |     | 4)       |
| 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       | +localtree_mt                                                                                                                                                                                                                                                                                                                                              |                                                                                              |     | 5)       |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | post  | +ChanRel_end(TCV_ch )                                                                                                                                                                                                                                                                                                                                      |                                                                                              |     |          |
| 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       | <b>localtree_varinit</b>                                                                                                                                                                                                                                                                                                                                   |                                                                                              |     |          |
| 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       | +Varinit_fixcommon<br>(TCV_cellid:=C_CellA, TCV_sacch:= OC_SubchOfSacch4( TSPX_SDCCH4SubDef, C_CellA), TCV_PgCh:= C_PCH_A_1, TCV_ia_ts:= TSPX_TmSlitNotZero, TCV_ts:= '000'B, TCV_Horf:= TSPX_horfB, TCV_Pwrlvl_ho:= TSPX_PwrlvlB, TCV_ch := OC_SubchOfSdcch8( TSPX_SDCCH8SubA, C_CellA, 1), TCV_sacch8 := OC_SubchOfSacch8( TSPX_SDCCH8SubA, C_CellA, 1)) |                                                                                              |     |          |
| 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       | <b>localtree_varinit2</b><br>(TCV_cellid:=C_CellB, TCV_chdescr_arfcn:= C_arfcnB_HO, TCV_ch:= OC_SubchOfSdcch4( TSPX_SDCCH4SubA, C_CellB), TCV_sacch_B:= OC_SubchOfSacch4( TSPX_SDCCH4SubA, C_CellB))                                                                                                                                                       |                                                                                              |     |          |
| 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       | <b>localtree_mt</b><br>[TCV_Mt1 = TCV_Mt]                                                                                                                                                                                                                                                                                                                  |                                                                                              | (P) |          |



|                                                                                                                                                                                                                                                                                                                                                                                       |                     |     |
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| 21                                                                                                                                                                                                                                                                                                                                                                                    | [TCV_Mt1 <> TCV_Mt] | (F) |
| <b>Detailed Comments:</b> <ul style="list-style-type: none"><li>1) L2_frame with the Setup will not be acknowledged by the SS_L2.</li><li>2) HO from SDCCH/8_FH to SDCCH/4_NoFH</li><li>3) HO complete in synchronized case.</li><li>4) Last L3-msg shall be retransmitted by the MS with the same sequence number of last L3-msg.</li><li>5) Check of the sequence number.</li></ul> |                     |     |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                           |     |          |
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| <b>Test Case Name:</b>      |       | TC_26_6_5_4_3                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                           |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                           |     |          |
| <b>Purpose:</b>             |       | To test that when the MS is ordered to make a finely synchronised handover to a synchronised cell, it sends 4 access bursts on the main DCCH and then activates the channel correctly, taking into account the value of any Starting Time information element and correctly calculating the timing advance to use. To test that the MS correctly retransmits Layer 3 MM or CC messages that were not acknowledged by Layer 2 before the Handover, after completion of the Handover. |                                                                           |     |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                           |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Cref                                                                      | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                           |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                           |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                     |                                                                           |     |          |
| 4                           |       | +localtree_varinit                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                           |     |          |
| 5                           |       | +PreEnterIdleState_202(C_Combined, C_Combined, C_Immass, TCV_slot, TCV_tsc, 5, 7, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                   |                                                                           |     |          |
| 6                           |       | +FullRateCh_HO_A_1(C_Ass, TCV_ts, TCV_tsc, TimAdv_y, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                           |     |          |
| 7                           |       | +FullRateCh_HO_B_1F6(C_Ass, TCV_ts, TCV_tsc, TimAdv_yplusk, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                           |     |          |
| 8                           |       | (TCV_Null := OM_NotAckSetup(TCV_ch))                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                           |     |          |
| 9                           |       | +EstMsOrigTCHF_init(C_CHTCHF_N onFH, 1, TimAdv_y)                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                           |     |          |
| 10                          |       | L?DL_DatInSetup (TCV_Mt := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                                                                                    | SetupIn_01                                                                | (P) | 1)       |
| 11                          | body  | +ltree_hosend                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                           |     |          |
| 12                          |       | +localtree_varinit2                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                           |     |          |
| 13                          |       | +RR_hocomp1(650, TimingAdv_03)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                           |     | 3)       |
| 14                          |       | L?DL_DatInSetup (TCV_Mt1 := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                                                                                   | SetupIn_01                                                                |     | 3)       |
| 15                          |       | +localtree_mt                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                           |     | 4)       |
| 16                          | post  | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                           |     |          |
| 17                          |       | <b>ltree_hosend</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                           |     |          |
| 18                          |       | [TSPC_PGSM OR TSPC_EGSM]<br>LIDL_DatRqHoCmd( DL_DatRqHoCmd.msg.synchi := Synchi_05)                                                                                                                                                                                                                                                                                                                                                                                                 | HndOv_22_B5(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TimAdv_ykmod256iei)  |     | 2)       |
| 19                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                           |     |          |
| 20                          |       | LIDL_DatRqHoCmd( DL_DatRqHoCmd.msg.synchi := Synchi_05)                                                                                                                                                                                                                                                                                                                                                                                                                             | HndOv_22_B5d(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TimAdv_ykmod256iei) |     | 2)       |
| 21                          |       | <b>localtree_varinit</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                           |     |          |
| 22                          |       | +Varinit_fixcommon<br>(TCV_cellid:=C_CellA, TCV_sacch:= OC_SubchOfSacch4( TSPX_SDCCH4SubA, C_CellA), TCV_sacch_B := OC_SubchOfSacch4( TSPX_SDCCH4SubDef, C_CellB), TCV_ch:= C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_sacchTch_B := C_SACCHF_B_1, TCV_chdescr_arfcn:= C_arfcnA_HO, TCV_PgCh:= C_PCH_A_1, TCV_ia_ts:= TSPX_TmSlTb, TCV_ts:= '000'B, TCV_Horf:= TSPX_horfA, TCV_Pwrlvl_ho:=                                                                                     |                                                                           |     |          |

|                                                                                                                                                                                                                                                                                                                                                               |                                                                           |  |     |
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|                                                                                                                                                                                                                                                                                                                                                               | TSPX_PwrlvIA)                                                             |  |     |
| 23                                                                                                                                                                                                                                                                                                                                                            | <b>localtree_varinit2</b><br>(TCV_cellid:=C_CellB, TCV_ch:= C_FACCHF_B_1) |  |     |
| 24                                                                                                                                                                                                                                                                                                                                                            | <b>localtree_mt</b><br>[TCV_Mt1 = TCV_Mt]                                 |  | (P) |
| 25                                                                                                                                                                                                                                                                                                                                                            | [TCV_Mt1 <> TCV_Mt]                                                       |  | (F) |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                     |                                                                           |  |     |
| <ol style="list-style-type: none"> <li>1) L2_frame with the Setup will not be acknowledged by the SS_L2.</li> <li>2) HO from TCH/F_NoFH to TCH/F_FH</li> <li>3) HO Complete in synchronized case.</li> <li>4) Last L3-msg shall be retransmitted by the MS with the same sequence number of last L3-msg.</li> <li>5) Check of the sequence number.</li> </ol> |                                                                           |  |     |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                             |     |          |
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| <b>Test Case Name:</b>      |       | TC_26_6_5_4_4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                             |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                             |     |          |
| <b>Purpose:</b>             |       | To test that when the MS is ordered to make a finely synchronised handover to a synchronised cell, it sends 4 access bursts on the main DCCH and then activates the channel correctly, taking into account the value of any Starting Time information element and correctly calculating the timing advance to use. To test that the MS correctly retransmits Layer 3 MM or CC messages that were not acknowledged by Layer 2 before the Handover, after completion of the Handover.               |                                                                                             |     |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                             |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CRef                                                                                        | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                             |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                             |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                             |     |          |
| 4                           |       | +localtree_varinit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                             |     |          |
| 5                           |       | +PreEnterIdleState_202( C_NotCombined, C_NotCombined, C_Immass, TCV_slot, TCV_tsc, 5, 7, 0, TimingAdv_01, '000'B, '000'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                          |                                                                                             |     |          |
| 6                           |       | +SDCCH8_HO_A_1_1(C_Ass,TCV_ia_ts, TCV_tsc, TimAdv_y, '000'B, '000'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                             |     |          |
| 7                           |       | +FullRateCh_HO_B_1(C_Ass, TCV_ts, TCV_tsc, TimAdv_yplusk, '000'B, '000'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                             |     |          |
| 8                           |       | (TCV_Null := OM_NotAckSetup(TCV_ch))                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                             |     |          |
| 9                           |       | +EstMsOrigTCHF_init(C_CHSDCCH8_NonFH, 1, TimAdv_yplusk)                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                             |     |          |
| 10                          |       | L?DL_DatInSetup (TCV_Mt := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SetupIn_01                                                                                  | (P) | 1)       |
| 11                          | body  | L!DL_DatRqHoCmd( DL_DatRqHoCmd.msg.synchi := Synchi_05)                                                                                                                                                                                                                                                                                                                                                                                                                                           | HndOv_21_B(TCV_Horf, TCV_ch, TCV_ts, TCV_chdescr_arfcn, TCV_Pwrlvl_ho, TimAdv_ykmod256iei ) |     |          |
| 12                          |       | +localtree_varinit2                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                             |     |          |
| 13                          |       | +RR_hocomp1(650, TimingAdv_03)                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                             |     | 2)       |
| 14                          |       | L?DL_DatInSetup (TCV_Mt1 :=DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SetupIn_01                                                                                  |     | 3)       |
| 15                          |       | +localtree_mt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                             |     | 4)       |
| 16                          | post  | +ChanRel_end(TCV_ch )                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                             |     |          |
| 17                          |       | <b>localtree_varinit</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                             |     |          |
| 18                          |       | +Varinit_fixcommon<br>(TCV_cellid:=C_CellA, TCV_sacch:= OC_SubchOfSacch4( TSPX_SDCCH4SubA, C_CellA), TCV_sacch_B := OC_SubchOfSacch4( TSPX_SDCCH4SubDef, C_CellB), TCV_chdescr_arfcn:= C_arfcnA_HO, TCV_sacchTch_B := C_SACCHF_B_1, TCV_PgCh:= C_PCH_A_1, TCV_ia_ts:= TSPX_TmSltNotZero, TCV_ts:= TSPX_TmSltNotZero, TCV_Horf:= TSPX_horfD, TCV_Pwrlvl_ho:= TSPX_PwrlvlD, TCV_ch := OC_SubchOfSdcch8( TSPX_SDCCH8SubA, C_CellA, 1), TCV_sacch8 := OC_SubchOfSacch8( TSPX_SDCCH8SubA, C_CellA, 1)) |                                                                                             |     |          |
| 19                          |       | <b>localtree_varinit2</b><br>(TCV_cellid:=C_CellB, TCV_chdescr_arfcn:= TSPX_TCHcarrierB_ho, TCV_ch := C_FACCHF_B_1, TCV_sacchTch_B := C_SACCHF_B_1)                                                                                                                                                                                                                                                                                                                                               |                                                                                             |     |          |
|                             |       | <b>localtree_mt</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                             |     |          |

|                                                                                                                                                                                                                                                                            |                     |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----|
| 20                                                                                                                                                                                                                                                                         | [TCV_Mt1 = TCV_Mt]  | (P) |
| 21                                                                                                                                                                                                                                                                         | [TCV_Mt1 <> TCV_Mt] | (F) |
| <b>Detailed Comments:</b><br>1) L2_frame with the Setup will not be acknowledged by the SS_L2.<br>2) HO from SDCCH/8_FH to TCH/F_NoFH<br>3) Last L3-msg shall be retransmitted by the MS with the same sequence number of last L3-msg.<br>4) Check of the sequence number. |                     |     |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                      |                         |     |          |
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| <b>Test Case Name:</b>      |       | TC_26_6_5_5_1                                                                                                                                                                                                                                                                                                                                        |                         |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                  |                         |     |          |
| <b>Purpose:</b>             |       | To verify that when the MS is ordered to make a pre-synchronised handover to another cell, it sends 4 access bursts on the main DCCH and then activates the channel correctly and correctly calculates the time to transmit.                                                                                                                         |                         |     |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                   |                         |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                | CRef                    | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                   |                         |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                 |                         |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                      |                         |     |          |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubC, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubC, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB), TCV_chTch := C_FACCHF_A_1, TCV_chTch1 := C_FACCHF_B_1, TCV_sacchTch := C_SACCHF_A_1, TCV_sacchTch_B := C_SACCHF_B_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef)) |                         |     |          |
| 5                           |       | +PreEnterIdleState_Comb04( C_Immass, TCV_slot, TCV_tsc, 5,7, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                      |                         |     | 1.       |
| 6                           |       | (TCV_Null := OM_CphMd(TCV_chTch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                                                                                                             |                         |     |          |
| 7                           |       | +StartCellB_21( C_Immass, TCV_slot, TCV_tsc, 0, ChMod_speech, C_Ass, TSPX_TmSltC, TSPX_TscC, TimingAdv_08, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                            |                         |     | 2.       |
| 8                           |       | +PreEnterCCstateU10_r02( TSPX_SDCCH4SubC, TimingAdv_r01)                                                                                                                                                                                                                                                                                             |                         |     | 3.       |
| 9                           | body  | +gsmOrDcs                                                                                                                                                                                                                                                                                                                                            |                         |     | 4.       |
| 10                          |       | +localtree(TCV_chTch1)                                                                                                                                                                                                                                                                                                                               |                         |     |          |
| 11                          |       | (TCV_L1Head := OM_GetL1Hd(TCV_chTch1))                                                                                                                                                                                                                                                                                                               |                         |     |          |
| 12                          |       | L?DL_EstIn CANCEL T_dly1                                                                                                                                                                                                                                                                                                                             | DLEstInd_01             |     |          |
| 13                          |       | L?DL_DatInHoCom                                                                                                                                                                                                                                                                                                                                      | HndOvCmp_01(TCV_chTch1) |     |          |
| 14                          |       | [TCV_L1Head.ta = '1'B]                                                                                                                                                                                                                                                                                                                               |                         | (P) | 5.       |
| 15                          |       | +PostMainLinkRel(TCV_chTch1)                                                                                                                                                                                                                                                                                                                         |                         |     |          |
| 16                          |       | [TCV_L1Head.ta <> '1'B]                                                                                                                                                                                                                                                                                                                              |                         | (F) |          |
| 17                          |       | +PostMainLinkRel(TCV_chTch1)                                                                                                                                                                                                                                                                                                                         |                         |     |          |
| 18                          |       | ?TIMEOUT T_dly1                                                                                                                                                                                                                                                                                                                                      |                         | F   |          |
| 19                          |       | <b>localtree(ch:LOGICCH)</b><br>(TCV_Cnt := 0)                                                                                                                                                                                                                                                                                                       |                         |     |          |
| 20                          |       | REPEAT localtree1(ch) UNTIL [TCV_Cnt = 4]                                                                                                                                                                                                                                                                                                            |                         |     |          |
| 21                          |       | <b>localtree1(ch:LOGICCH)</b><br>(TCV_L1Head := OM_GetHoaccPara(ch))                                                                                                                                                                                                                                                                                 |                         |     |          |
| 22                          |       | L?DL_RaInHoacc (TCV_Hrf := DL_RaInHoacc.msg.horf)                                                                                                                                                                                                                                                                                                    | HndOvAcc_02(ch)         |     |          |
| 23                          |       | [TCV_Hrf <> TSPX_horfD]                                                                                                                                                                                                                                                                                                                              |                         | F   |          |
| 24                          |       | [TCV_Hrf = TSPX_horfD]                                                                                                                                                                                                                                                                                                                               |                         | (P) | 6.       |
| 25                          |       | [TCV_L1Head.ta = '000000'B]                                                                                                                                                                                                                                                                                                                          |                         | (P) |          |
| 26                          |       | [TCV_L1Head.mspwrIvl = '01000'B]                                                                                                                                                                                                                                                                                                                     |                         | (P) | 7.       |
| 27                          |       | (TCV_Cnt := TCV_Cnt + 1)                                                                                                                                                                                                                                                                                                                             |                         |     |          |
| 28                          |       | [TCV_L1Head.mspwrIvl <> '01000'B]                                                                                                                                                                                                                                                                                                                    |                         | F   |          |
| 29                          |       | [TCV_L1Head.ta <> '000000'B]                                                                                                                                                                                                                                                                                                                         |                         | F   |          |

|                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |  |  |
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| 30                        |  | <b>gsmOrDcs</b><br>[TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |  |  |
| 31                        |  | L!DL_DatRqHoCmd START T_dly1(650)                                                                                                                                                                                                                                                                                                                                                                                                                                             | HndOv_05(TCV_chTch, TSPX_TmSlitC, TSPX_TscB) |  |  |
| 32                        |  | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |  |  |
| 33                        |  | L!DL_DatRqHoCmd START T_dly1(650)                                                                                                                                                                                                                                                                                                                                                                                                                                             | HndOv_12(TCV_chTch, TSPX_TmSlitC, TSPX_TscB) |  |  |
| <b>Detailed Comments:</b> |  | <ol style="list-style-type: none"> <li>1. To setup BCCH, CCCH, SDCCH4 and a full rate traffic channel for cell A.</li> <li>2. To setup BCCH, CCCH, SDCCH4 and a full rate traffic channel for cell B.</li> <li>3. To bring the MS into the U10 state.</li> <li>4. Pre-synch handover without TA IE.</li> <li>5. The received timing advance is 1 bit period, pass.</li> <li>6. The received handover reference is correct.</li> <li>7. The power level is correct.</li> </ol> |                                              |  |  |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |   |                         |
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| <b>Test Case Name:</b>      |       | TC_26_6_5_5_2                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |   |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |   |                         |
| <b>Purpose:</b>             |       | To test that when the MS is ordered to make a pre-synchronised handover to another cell, it sends 4 access bursts on the main DCCH and then activates the channel correctly and correctly calculates the time to transmit. To test that the MS correctly retransmits Layer 3 MM or CC messages that were not acknowledged by Layer 2 before the Handover, after completion of the Handover. To test that the MS correctly reports on the time difference between the cells. |                   |   |                         |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |   |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CRef              | V | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |   |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |   |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                             |                   |   |                         |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubB, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubB, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB), TCV_chTch := C_FACCHF_A_1, TCV_chTch1 := C_FACCHF_B_1, TCV_sacchTch := C_SACCHF_A_1, TCV_sacchTch_B := C_SACCHF_B_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef))                                                                                                                        |                   |   |                         |
| 5                           |       | +PreEnterIdleState_Comb04( C_Immass, TCV_slot, TCV_tsc, 5,7, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                           |                   |   | 1.                      |
| 6                           |       | (TCV_Null := OM_CphMd(TCV_chTch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |   |                         |
| 7                           |       | +StartCellB_21( C_Immass, TCV_slot, TCV_tsc, 0, ChMod_speech, C_Ass, TSPX_TmSlitC, TSPX_TscC, TimingAdv_07, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                  |                   |   | 2.                      |
| 8                           | body  | +AttmPCall                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |   |                         |
| 9                           |       | +BasicServiceMO(TSPX_MO_BscSv c_AnyCall, TSPX_MO_rate_AnyCall)                                                                                                                                                                                                                                                                                                                                                                                                              |                   |   |                         |
| 10                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                                | ChReq_02          |   |                         |
| 11                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |   | To match ChReq retrans. |
| 12                          |       | +gsmOrDcs1                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |   | 3.                      |
| 13                          |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CmsrReq_01        |   |                         |
| 14                          |       | ACTIVATE(OtherEventsFail )                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |   | Restore Normal default  |
| 15                          |       | (TCV_Null := OM_NoL2Ack(C_I, 2, TCV_ch))                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |   |                         |
| 16                          |       | (TCV_Null := OM_CphMdChg(TCV_ch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |   | 4.                      |
| 17                          |       | L!DL_DatRqCphmCmd                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CphCmd_01(TCV_ch) |   |                         |
| 18                          |       | L?DL_DatInCphCom                                                                                                                                                                                                                                                                                                                                                                                                                                                            | CphCmp_01         |   |                         |
| 19                          |       | +localtree1                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   |   |                         |
| 20                          |       | <b>localtree1</b><br>L?DL_DatInSetup (TCV_Mt :=DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                                                        | SetupIn_01        |   | 5.                      |
| 21                          |       | +gsmOrDcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |   | 6.                      |
| 22                          |       | +localtree2(TCV_chTch1)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |   |                         |
| 23                          |       | L?DL_EstIn                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DLEstIn_01        |   |                         |
| 24                          |       | (TCV_L1Head := OM_GetL1Hd(TCV_chTch1))                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |   |                         |



|                               |                                                                                                                |                                                                         |     |    |
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| 25                            | L?DL_DatInHoCom CANCEL T_dly1                                                                                  | HndOvCmp_03(TCV_chTch1)                                                 | (P) | 7. |
| 26                            | [TCV_L1Head.ta <>'0001001'B]                                                                                   |                                                                         | (F) |    |
| 27                            | +PostMainLinkRel(TCV_chTch1)                                                                                   |                                                                         |     |    |
| 28                            | [TCV_L1Head.ta = '0001001'B]                                                                                   |                                                                         | (P) | 8. |
| 29                            | L?DL_DatInSetup (TCV_Mt1 := DL_DatInSetup.msg.mt)                                                              | SetupIn_01                                                              |     |    |
| 30                            | [TCV_Mt1 <> TCV_Mt]                                                                                            |                                                                         | (F) |    |
| 31                            | +PostMainLinkRel(TCV_chTch1)                                                                                   |                                                                         |     |    |
| 32                            | [TCV_Mt1 = TCV_Mt]                                                                                             |                                                                         | (P) | 9. |
| 33                            | +PostMainLinkRel(TCV_chTch1)                                                                                   |                                                                         |     |    |
| 34                            | ?TIMEOUT T_dly1                                                                                                |                                                                         | F   |    |
| <b>localtree2(ch:LOGICCH)</b> |                                                                                                                |                                                                         |     |    |
| 35                            | (TCV_Cnt := 0)                                                                                                 |                                                                         |     |    |
| 36                            | REPEAT localtree3(ch) UNTIL [TCV_Cnt = 4]                                                                      |                                                                         |     |    |
| <b>localtree3(ch:LOGICCH)</b> |                                                                                                                |                                                                         |     |    |
| 37                            | (TCV_L1Head := OM_GetHoaccPara(ch))                                                                            |                                                                         |     |    |
| 38                            | L?DL_RaInHoacc (TCV_Hrf := DL_RaInHoacc.msg.horf)                                                              | HndOvAcc_02(ch)                                                         |     |    |
| 39                            | [TCV_Hrf <> TSPX_horfF]                                                                                        |                                                                         | F   |    |
| 40                            | [TCV_Hrf = TSPX_horfF]                                                                                         |                                                                         | (P) |    |
| 41                            | (TCV_Cnt := TCV_Cnt + 1)                                                                                       |                                                                         |     |    |
| <b>gsmOrDcs</b>               |                                                                                                                |                                                                         |     |    |
| 42                            | [TSPC_PGSM OR TSPC_EGSM]                                                                                       |                                                                         |     |    |
| 43                            | L!DL_DatRqHoCmd (TCV_Hrf := DL_DatRqHoCmd.msg.horf, TCV_Pwrlvl := DL_DatRqHoCmd.msg.pcmd.pl) START T_dly1(650) | HndOv_06(TCV_ch, TSPX_TmSltC, TSPX_TscC, TimingAdv_07iei)               |     |    |
| 44                            | [TSPC_DCS]                                                                                                     |                                                                         |     |    |
| 45                            | L!DL_DatRqHoCmd (TCV_Hrf := DL_DatRqHoCmd.msg.horf, TCV_Pwrlvl := DL_DatRqHoCmd.msg.pcmd.pl) START T_dly1(650) | HndOv_13(TCV_ch, TSPX_TmSltC, TSPX_TscC, TimingAdv_07iei)               |     |    |
| <b>gsmOrDcs1</b>              |                                                                                                                |                                                                         |     |    |
| 46                            | [TSPC_PGSM OR TSPC_EGSM]                                                                                       |                                                                         |     |    |
| 47                            | L!DL_UdatRqImmss                                                                                               | ImmAss_r10(TCV_ag ch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_r01) |     |    |
| 48                            | [TSPC_DCS]                                                                                                     |                                                                         |     |    |
| 49                            | L!DL_UdatRqImmss                                                                                               | ImmAss_r16(TCV_ag ch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_r01) |     |    |

**Detailed Comments:** 1. Cell A with BCCH, CCCH, SDCCH4 and a traffic channel.  
 2. Cell B with BCCH, CCCH, SDCCH4 and a traffic channel.

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                          |                         |     |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_6_5_6                                                                                                                                                                                                                                                                                                                                              |                         |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                      |                         |     |          |
| <b>Purpose:</b>             |       | To test that when the MS is ordered to make a pseudo synchronised handover to another cell, it sends 4 access bursts on the main DCCH and then activates the channel correctly and correctly calculates the time to transmit. To test that the MS correctly reports the time difference between the cells.                                               |                         |     |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                       |                         |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                    | CRef                    | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                       |                         |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                     |                         |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                          |                         |     |          |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB), TCV_chTch := C_FACCHF_A_1, TCV_chTch1 := C_FACCHF_B_1, TCV_sacchTch := C_SACCHF_A_1, TCV_sacchTch_B := C_SACCHF_B_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef)) |                         |     |          |
| 5                           |       | +PreEnterIdleState_Comb04( C_Immass, TCV_slot, TCV_tsc, 5,7, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_05, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                         |                         |     | 1.       |
| 6                           |       | (TCV_Null := OM_CphMd(TCV_chTch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                                                                                                                 |                         |     |          |
| 7                           |       | +StartCellB_21( C_Immass, TCV_slot, TCV_tsc, 0, ChMod_speech, C_Ass, TSPX_TmSlitC, TSPX_TscC, TimingAdv_09, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                               |                         |     | 2.       |
| 8                           |       | +PreEnterCCstateU10_r01(TimingAdv_05, TSPX_SDCCH4SubDef)                                                                                                                                                                                                                                                                                                 |                         |     | 3.       |
| 9                           |       | +gsmOrDcs                                                                                                                                                                                                                                                                                                                                                |                         |     | 4.       |
| 10                          |       | +localtree(TCV_chTch1)                                                                                                                                                                                                                                                                                                                                   |                         |     |          |
| 11                          |       | +localtree1                                                                                                                                                                                                                                                                                                                                              |                         |     |          |
|                             |       | <b>localtree1</b>                                                                                                                                                                                                                                                                                                                                        |                         |     |          |
| 12                          |       | (TCV_L1Head := OM_GetL1Hd(TCV_chTch1))                                                                                                                                                                                                                                                                                                                   |                         |     |          |
| 13                          |       | L?DL_EstIn CANCEL T_dly1                                                                                                                                                                                                                                                                                                                                 | DLEstInd_01             |     |          |
| 14                          |       | L?DL_DatInHoCom (TCV_Td := DL_DatInHoCom.msg.motdif.value)                                                                                                                                                                                                                                                                                               | HndOvCmp_02(TCV_chTch1) |     | 5.       |
| 15                          |       | [TCV_L1Head.ta = INT_TO_BIT((TSPX_y2 - 10), 6)]                                                                                                                                                                                                                                                                                                          |                         | (P) | 6.       |
| 16                          |       | +PostMainLinkRel(TCV_chTch1)                                                                                                                                                                                                                                                                                                                             |                         |     |          |
| 17                          |       | [TCV_L1Head.ta <> INT_TO_BIT((TSPX_y2 - 10), 6)]                                                                                                                                                                                                                                                                                                         |                         | (F) |          |
| 18                          |       | +PostMainLinkRel(TCV_chTch1)                                                                                                                                                                                                                                                                                                                             |                         |     |          |
| 19                          |       | ?TIMEOUT T_dly1                                                                                                                                                                                                                                                                                                                                          |                         | F   |          |
|                             |       | <b>localtree(ch:LOGICCH)</b>                                                                                                                                                                                                                                                                                                                             |                         |     |          |
| 20                          |       | (TCV_Cnt := 0)                                                                                                                                                                                                                                                                                                                                           |                         |     |          |
| 21                          |       | REPEAT localtree2(ch) UNTIL [TCV_Cnt = 4]                                                                                                                                                                                                                                                                                                                |                         |     |          |
|                             |       | <b>localtree2(ch:LOGICCH)</b>                                                                                                                                                                                                                                                                                                                            |                         |     |          |
| 22                          |       | (TCV_L1Head := OM_GetHoaccPara(ch))                                                                                                                                                                                                                                                                                                                      |                         |     |          |
| 23                          |       | L?DL_RaInHoacc (TCV_Hrf := DL_RaInHoacc.msg.horf)                                                                                                                                                                                                                                                                                                        | HndOvAcc_02(ch)         |     |          |
| 24                          |       | [TCV_Hrf <> TSPX_horfH]                                                                                                                                                                                                                                                                                                                                  |                         | F   |          |
| 25                          |       | [TCV_Hrf = TSPX_horfH]                                                                                                                                                                                                                                                                                                                                   |                         | (P) |          |
| 26                          |       | [TCV_L1Head.ta = '000000'B]                                                                                                                                                                                                                                                                                                                              |                         | (P) |          |
| 27                          |       | [TCV_L1Head.mspwrIvl = '01010'B]                                                                                                                                                                                                                                                                                                                         |                         | (P) |          |
| 28                          |       | (TCV_Cnt := TCV_Cnt + 1)                                                                                                                                                                                                                                                                                                                                 |                         |     |          |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |                                              |   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------------|---|
| 29                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | [TCV_L1Head.mspwrlvl <> '01010'B] |                                              | F |
| 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | [TCV_L1Head.ta <> '000000'B]      |                                              | F |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>gsmOrDcs</b>                   |                                              |   |
| 31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | [TSPC_PGSM OR TSPC_EGSM]          |                                              |   |
| 32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | L!DL_DatRqHoCmd START T_dly1(650) | HndOv_07(TCV_chTch, TSPX_TmSlitC, TSPX_TscC) |   |
| 33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | [TSPC_DCS]                        |                                              |   |
| 34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | L!DL_DatRqHoCmd START T_dly1(650) | HndOv_14(TCV_chTch, TSPX_TmSlitC, TSPX_TscC) |   |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                                              |   |
| <ol style="list-style-type: none"> <li>1. Cell A with BCCH, CCCH, SDCCH4 and a traffic channel.</li> <li>2. Cell B with BCCH, CCCH, SDCCH4 and a traffic channel.</li> <li>3. In cell A the timing advance = TSPX_y2.</li> <li>4. pseudo-synch, rot = 1, nc1, = 0, real time diffrence = <math>2 * TSPX\_k2 + 10.</math>, handover referemce = TSPX_horfH.</li> <li>5. The Mobile Time Difference = <math>(2 * TSPX\_k2 + TSPX\_y2) \bmod 2\ 097\ 152</math> with tolerance of 2.</li> <li>6. The time advance is correct.</li> </ol> |                                   |                                              |   |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                          |                                              |     |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_6_5_7                                                                                                                                                                                                                                                                                                                                              |                                              |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                      |                                              |     |          |
| <b>Purpose:</b>             |       | To verify that when the MS is ordered to make a non-synchronised handover to another cell and is ordered to report on the time difference between the cells, that it does so correctly.                                                                                                                                                                  |                                              |     |          |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                       |                                              |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                    | CRef                                         | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                       |                                              |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                     |                                              |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                          |                                              |     |          |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB), TCV_chTch := C_FACCHF_A_1, TCV_chTch1 := C_FACCHF_B_1, TCV_sacchTch := C_SACCHF_A_1, TCV_sacchTch_B := C_SACCHF_B_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef)) |                                              |     |          |
| 5                           |       | +PreEnterIdleState_Comb04(C_Immass, TCV_slot, TCV_tsc, 5,7, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_06, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                          |                                              |     | 1.       |
| 6                           |       | (TCV_Null := OM_CphMd(TCV_chTch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                                                                                                                 |                                              |     |          |
| 7                           |       | +StartCellB_21(C_Immass, TCV_slot, TCV_tsc, 0, ChMod_speech, C_Ass, TSPX_TmSlitC, TSPX_TscC, TimingAdv_10, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                |                                              |     | 2.       |
| 8                           |       | +PreEnterCCstateU10_r01(TimingAdv_06, TSPX_SDCCH4SubDef)                                                                                                                                                                                                                                                                                                 |                                              |     | 3.       |
| 9                           | body  | +gsmOrDcs                                                                                                                                                                                                                                                                                                                                                |                                              |     | 4.       |
| 10                          |       | +localtree(TCV_chTch1)                                                                                                                                                                                                                                                                                                                                   |                                              |     |          |
| 11                          |       | +localtree1                                                                                                                                                                                                                                                                                                                                              |                                              |     |          |
| 12                          |       | <b>localtree1</b><br>L!DL_DatRqPhyinfo                                                                                                                                                                                                                                                                                                                   | PhyInfo_01(TCV_chTch1, TimingAdv_03)         |     |          |
| 13                          |       | (TCV_L1Head := OM_GetL1Hd(TCV_chTch1))                                                                                                                                                                                                                                                                                                                   |                                              |     |          |
| 14                          |       | L?DL_EstIn                                                                                                                                                                                                                                                                                                                                               | DLEstInd_01                                  |     |          |
| 15                          |       | L?DL_DatInHoCom (TCV_Td := DL_DatInHoCom.msg.motdif.value)                                                                                                                                                                                                                                                                                               | HndOvCmp_04(TCV_chTch1)                      |     |          |
| 16                          |       | [TCV_L1Head.ta = '010100'B]                                                                                                                                                                                                                                                                                                                              |                                              |     |          |
| 17                          |       | +PostMainLinkRel(TCV_chTch1)                                                                                                                                                                                                                                                                                                                             |                                              |     |          |
| 18                          |       | [TCV_L1Head.ta <> '010100'B]                                                                                                                                                                                                                                                                                                                             |                                              | (F) |          |
| 19                          |       | +PostMainLinkRel(TCV_chTch1)                                                                                                                                                                                                                                                                                                                             |                                              |     |          |
| 20                          |       | <b>localtree(ch:LOGICCH)</b><br>L?DL_RaInHoacc (TCV_Hrf := DL_RaInHoacc.msg.horf)                                                                                                                                                                                                                                                                        | HndOvAcc_02(ch)                              |     |          |
| 21                          |       | [TCV_Hrf <> TSPX_horfB]                                                                                                                                                                                                                                                                                                                                  |                                              | F   |          |
| 22                          |       | [TCV_Hrf = TSPX_horfB]                                                                                                                                                                                                                                                                                                                                   |                                              |     |          |
| 23                          |       | L?DL_RaInHoacc (TCV_Hrf := DL_RaInHoacc.msg.horf)                                                                                                                                                                                                                                                                                                        | HndOvAcc_02(ch)                              |     |          |
| 24                          |       | [TCV_Hrf <> TSPX_horfB]                                                                                                                                                                                                                                                                                                                                  |                                              | F   |          |
| 25                          |       | [TCV_Hrf = TSPX_horfB]                                                                                                                                                                                                                                                                                                                                   |                                              |     |          |
| 26                          |       | <b>gsmOrDcs</b><br>[TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                              |                                              |     |          |
| 27                          |       | LIDL_DatRqHoCmd START T_dly1(650)                                                                                                                                                                                                                                                                                                                        | HndOv_08(TCV_chTch, TSPX_TmSlitC, TSPX_TscB) |     |          |

|                                                                                                                                                                                                                                                                                                       |  |                                   |                                              |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------|----------------------------------------------|--|
| 28                                                                                                                                                                                                                                                                                                    |  | [TSPC_DCS]                        |                                              |  |
| 29                                                                                                                                                                                                                                                                                                    |  | L!DL_DatRqHoCmd START T_dly1(650) | HndOv_15(TCV_chTch, TSPX_TmSlitC, TSPX_TscB) |  |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                             |  |                                   |                                              |  |
| <ol style="list-style-type: none"><li>1. Cell A with BCCH, CCCH, SDCCH4 and a traffic channel.</li><li>2. Cell B with BCCH, CCCH, SDCCH4 and a traffic channel.</li><li>3. In cell A the timing advance = TSPX_y3.</li><li>4. non-synch, rot = 1, nci = 0, handover reference = TSPX_horfB.</li></ol> |  |                                   |                                              |  |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                      |                       |     |            |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----|------------|
| <b>Test Case Name:</b>      |       | TC_26_6_5_8                                                                                                                                                                                                                                                                                                                                          |                       |     |            |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                  |                       |     |            |
| <b>Purpose:</b>             |       | To verify the function of timer T3124 and the contents in the message HANDOVER FAILURE                                                                                                                                                                                                                                                               |                       |     |            |
| <b>Default:</b>             |       | RcvHdOvAcc                                                                                                                                                                                                                                                                                                                                           |                       |     |            |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                | CRef                  | V   | Comments   |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                   |                       |     |            |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                 |                       |     |            |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                      |                       |     |            |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubC, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubC, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB), TCV_chTch := C_FACCHF_A_1, TCV_chTch1 := C_FACCHF_B_1, TCV_sacchTch := C_SACCHF_A_1, TCV_sacchTch_B := C_SACCHF_B_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef)) |                       |     |            |
| 5                           |       | +PreEnterIdleState_Comb04( C_Immass, TCV_slot, TCV_tsc, 5,7, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                    |                       | 1   |            |
| 6                           |       | (TCV_Null := OM_CphMd(TCV_chTch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                                                                                                             |                       |     |            |
| 7                           |       | +StartCellB_21( C_Immass, TCV_slot, TCV_tsc, 0, ChMod_speech, C_Ass, TSPX_TmSlitC, TSPX_TscC, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                          |                       | 2.  |            |
| 8                           |       | +PreEnterCCstateU10_r02( TSPX_SDCCH4SubC, TimingAdv_r01)                                                                                                                                                                                                                                                                                             |                       | 3.  |            |
| 9                           |       | (TCV_L1Head0 := OM_GetL1Hd(TCV_chTch))                                                                                                                                                                                                                                                                                                               |                       |     |            |
| 10                          | body  | +gsmOrDcs                                                                                                                                                                                                                                                                                                                                            |                       | 4.  |            |
| 11                          |       | +localtree(TCV_chTch1)                                                                                                                                                                                                                                                                                                                               |                       |     |            |
| 12                          |       | L?DL_EstIn CANCEL T_dly                                                                                                                                                                                                                                                                                                                              | DLEstInd_01           |     |            |
| 13                          |       | (TCV_L1Head := OM_GetL1Hd(TCV_chTch))                                                                                                                                                                                                                                                                                                                |                       |     |            |
| 14                          |       | L?DL_DatInHofl                                                                                                                                                                                                                                                                                                                                       | HndOvFI_02(TCV_chTch) | 5.  |            |
| 15                          |       | [TCV_L1Head.mspwrlvl = TCV_L1Head0.mspwrlvl]                                                                                                                                                                                                                                                                                                         |                       | (P) | 6.         |
| 16                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                          |                       |     |            |
| 17                          |       | [TCV_L1Head.mspwrlvl <> TCV_L1Head0.mspwrlvl]                                                                                                                                                                                                                                                                                                        |                       | (F) |            |
| 18                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                          |                       |     |            |
| 19                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                       |                       | F   |            |
| 20                          |       | <b>localtree(ch:LOGICCH)</b><br>(TCV_Cnt := 0)                                                                                                                                                                                                                                                                                                       |                       |     |            |
| 21                          |       | REPEAT localtree1(ch) UNTIL [TCV_Cnt = 3]                                                                                                                                                                                                                                                                                                            |                       |     |            |
| 22                          |       | <b>localtree1(ch:LOGICCH)</b><br>(TCV_L1Head := OM_GetHoaccPara(ch))                                                                                                                                                                                                                                                                                 |                       |     |            |
| 23                          |       | L?DL_RaInHoacc (TCV_Hrf := DL_RaInHoacc.msg.horf)                                                                                                                                                                                                                                                                                                    | HndOvAcc_02(ch)       |     |            |
| 24                          |       | [TCV_Hrf <> TSPX_horfC]                                                                                                                                                                                                                                                                                                                              |                       | F   |            |
| 25                          |       | [TCV_Hrf = TSPX_horfC]                                                                                                                                                                                                                                                                                                                               |                       | (P) |            |
| 26                          |       | [TCV_L1Head.mspwrlvl = '01000'B]                                                                                                                                                                                                                                                                                                                     |                       | (P) | pwrlvl = 8 |
| 27                          |       | (TCV_Cnt := TCV_Cnt + 1)                                                                                                                                                                                                                                                                                                                             |                       |     |            |
| 28                          |       | [TCV_L1Head.mspwrlvl <> '01000'B]                                                                                                                                                                                                                                                                                                                    |                       | F   |            |

|                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                         |                                                                                                  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--|
| 29<br>30<br><br>31<br>32                                                                                                                                                                                                                                                                                                                                                                                                                | <b>gsmOrDcs</b><br>[TSPC_PGSM OR TSPC_EGSM]<br>L!DL_DatRqHoCmd START T_dly(3000)<br><br>[TSPC_DCS]<br>L!DL_DatRqHoCmd START T_dly(3000) | HndOv_09(TCV_chTch, TSPX_TmSlitC, TSPX_TscB)<br><br>HndOv_16(TCV_chTch, TSPX_TmSlitC, TSPX_TscB) |  |
| <b>Detailed Comments:</b> <ol style="list-style-type: none"> <li>1. To setup BCCH, CCCH, SDCCH4 and a full rate traffic channel for cell A.</li> <li>2. To setup BCCH, CCCH, SDCCH4 and a full rate traffic channel for cell B.</li> <li>3. To bring the MS into the U10 state.</li> <li>4. Non-synchronised handover, power level = 8.</li> <li>5. On old channel.</li> <li>6. Power level is the old one (TSPX_MSTxpwrMax)</li> </ol> |                                                                                                                                         |                                                                                                  |  |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                          |                       |        |            |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------|------------|
| <b>Test Case Name:</b>      |       | TC_26_6_5_9                                                                                                                                                                                                                                                                                                                                              |                       |        |            |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                      |                       |        |            |
| <b>Purpose:</b>             |       | To verify the function of timer T3124 and the contents in the message HANDOVER FAILURE                                                                                                                                                                                                                                                                   |                       |        |            |
| <b>Default:</b>             |       | RcvHdOvAcc                                                                                                                                                                                                                                                                                                                                               |                       |        |            |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                    | CRef                  | V      | Comments   |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                       |                       |        |            |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                     |                       |        |            |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                          |                       |        |            |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB), TCV_chTch := C_FACCHF_A_1, TCV_chTch1 := C_FACCHF_B_1, TCV_sacchTch := C_SACCHF_A_1, TCV_sacchTch_B := C_SACCHF_B_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef)) |                       |        |            |
| 5                           |       | +PreEnterIdleState_Comb04( C_Immass, TCV_slot, TCV_tsc, 5,7, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                         |                       | 1      |            |
| 6                           |       | (TCV_Null := OM_CphMd(TCV_chTch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                                                                                                                 |                       | 1.     |            |
| 7                           |       | +StartCellB_21( C_Immass, TCV_slot, TCV_tsc, 0, ChMod_rcv, C_Ass, TSPX_TmSltC, TSPX_TscC, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                  |                       |        |            |
| 8                           |       | +PreEnterCCstateU10_r02( TSPX_SDCCH4SubDef, TimingAdv_r01)                                                                                                                                                                                                                                                                                               |                       | 3.     |            |
| 9                           |       | (TCV_L1Head0 := OM_GetL1Hd(TCV_chTch))                                                                                                                                                                                                                                                                                                                   |                       |        |            |
| 10                          | body  | +gsmOrDcs                                                                                                                                                                                                                                                                                                                                                |                       | 4.     |            |
| 11                          |       | +localtree(TCV_chTch1)                                                                                                                                                                                                                                                                                                                                   |                       |        |            |
| 12                          |       | L?DL_EstIn CANCEL T_dly                                                                                                                                                                                                                                                                                                                                  | DLEstInd_01           |        |            |
| 13                          |       | (TCV_L1Head := OM_GetL1Hd(TCV_chTch))                                                                                                                                                                                                                                                                                                                    |                       |        |            |
| 14                          |       | L?DL_DatInHofl                                                                                                                                                                                                                                                                                                                                           | HndOvFI_02(TCV_chTch) | 5.     |            |
| 15                          |       | [TCV_L1Head.mspwrlvl = TCV_L1Head0.mspwrlvl]                                                                                                                                                                                                                                                                                                             |                       | (P) 6. |            |
| 16                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                              |                       |        |            |
| 17                          |       | [TCV_L1Head.mspwrlvl <> TCV_L1Head0.mspwrlvl]                                                                                                                                                                                                                                                                                                            |                       | (F)    |            |
| 18                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                              |                       |        |            |
| 19                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                           |                       | F      |            |
| 20                          |       | <b>localtree(ch:LOGICCH)</b><br>(TCV_Cnt := 0)                                                                                                                                                                                                                                                                                                           |                       |        |            |
| 21                          |       | REPEAT localtree1(ch) UNTIL [TCV_Cnt = 2]                                                                                                                                                                                                                                                                                                                |                       |        |            |
| 22                          |       | <b>localtree1(ch:LOGICCH)</b><br>(TCV_L1Head := OM_GetHoaccPara(ch))                                                                                                                                                                                                                                                                                     |                       |        |            |
| 23                          |       | L?DL_RacInHoacc (TCV_Hrf := DL_RacInHoacc.msg.horf)                                                                                                                                                                                                                                                                                                      | HndOvAcc_02(ch)       |        |            |
| 24                          |       | [TCV_Hrf <> TSPX_horfC]                                                                                                                                                                                                                                                                                                                                  |                       | F      |            |
| 25                          |       | [TCV_Hrf = TSPX_horfC]                                                                                                                                                                                                                                                                                                                                   |                       | (P)    |            |
| 26                          |       | [TCV_L1Head.mspwrlvl = '01000'B]                                                                                                                                                                                                                                                                                                                         |                       | (P)    | pwrlvl = 8 |
| 27                          |       | (TCV_Cnt := TCV_Cnt + 1)                                                                                                                                                                                                                                                                                                                                 |                       |        |            |



|                                                                                                                                                                                                                                                                                                                                                                                                                              |                                             |                                              |   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|----------------------------------------------|---|
| 28                                                                                                                                                                                                                                                                                                                                                                                                                           | [TCV_L1Head.mspwrlvl <> '01000'B]           |                                              | F |
| 29                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>gsmOrDcs</b><br>[TSPC_PGSM OR TSPC_EGSM] |                                              |   |
| 30                                                                                                                                                                                                                                                                                                                                                                                                                           | L!DL_DatRqHoCmd START T_dly(3000)           | HndOv_09(TCV_chTch, TSPX_TmSlitC, TSPX_TscB) |   |
| 31                                                                                                                                                                                                                                                                                                                                                                                                                           | [TSPC_DCS]                                  |                                              |   |
| 32                                                                                                                                                                                                                                                                                                                                                                                                                           | L!DL_DatRqHoCmd START T_dly(3000)           | HndOv_16(TCV_chTch, TSPX_TmSlitC, TSPX_TscB) |   |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                    |                                             |                                              |   |
| <ol style="list-style-type: none"> <li>1. To setup BCCH, CCCH, SDCCH4 and a full rate traffic channel for cell A.</li> <li>2. To setup BCCH, CCCH, SDCCH4 and a receiving only full rate traffic channel for cell B.</li> <li>3. To bring the MS into the U10 state.</li> <li>4. Non-synchronised handover, power level = 8.</li> <li>5. On old channel.</li> <li>6. Power level is the old one (TSPX_MSTxpwrMax)</li> </ol> |                                             |                                              |   |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                      |      |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_6_6_1                                                                                                                                                          |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                  |      |   |          |
| <b>Purpose:</b>             |       | To verify that the MS, after receiving a Frequency Redefinition message, starts using the new frequencies and hopping sequence at the time indicated in the message. |      |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                      |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                | CRef | V | Comments |
| 1                           |       | START T_guard(642)                                                                                                                                                   |      |   |          |
| 2                           |       | (TCV_CA.iei := '01100010'B)                                                                                                                                          |      |   | CCHD iei |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                 |      |   |          |
| 4                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                      |      |   |          |
| 5                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                             |      |   |          |
| 6                           |       | +test1                                                                                                                                                               |      |   |          |
| 7                           |       | +test2                                                                                                                                                               |      |   |          |
| 8                           |       | +test3                                                                                                                                                               |      |   |          |
| 9                           |       | [TSPC_FullRateOnly = TRUE]                                                                                                                                           |      |   |          |
| 10                          |       | +test4                                                                                                                                                               |      |   |          |
| 11                          |       | +test5                                                                                                                                                               |      |   |          |
| 12                          |       | +test6                                                                                                                                                               |      |   |          |
| 13                          |       | [TSPC_DualRate = TRUE]                                                                                                                                               |      |   |          |
| 14                          |       | +test7                                                                                                                                                               |      |   |          |
| 15                          |       | +test8                                                                                                                                                               |      |   |          |
| 16                          |       | +test9                                                                                                                                                               |      |   |          |
| 17                          |       | +test10                                                                                                                                                              |      |   |          |
| 18                          |       | +test11                                                                                                                                                              |      |   |          |
| 19                          |       | +test12                                                                                                                                                              |      |   |          |
| 20                          |       | [(TSPC_DualRate = FALSE) AND (TSPC_FullRateOnly = FALSE)]                                                                                                            |      |   |          |
| 21                          |       | [TSPC_DCS]                                                                                                                                                           |      |   |          |
| 22                          |       | +test13                                                                                                                                                              |      |   |          |
| 23                          |       | +test14                                                                                                                                                              |      |   |          |
| 24                          |       | +test15                                                                                                                                                              |      |   |          |
| 25                          |       | [TSPC_FullRateOnly = TRUE]                                                                                                                                           |      |   |          |
| 26                          |       | +test16                                                                                                                                                              |      |   |          |
| 27                          |       | +test17                                                                                                                                                              |      |   |          |
| 28                          |       | +test18                                                                                                                                                              |      |   |          |
| 29                          |       | [TSPC_DualRate = TRUE]                                                                                                                                               |      |   |          |
| 30                          |       | +test19                                                                                                                                                              |      |   |          |
| 31                          |       | +test20                                                                                                                                                              |      |   |          |
| 32                          |       | +test21                                                                                                                                                              |      |   |          |
| 33                          |       | +test22                                                                                                                                                              |      |   |          |
| 34                          |       | +test23                                                                                                                                                              |      |   |          |
| 35                          |       | +test24                                                                                                                                                              |      |   |          |
| 36                          |       | [(TSPC_DualRate = FALSE) AND (TSPC_FullRateOnly = FALSE)]                                                                                                            |      |   |          |
|                             |       | <b>test1</b>                                                                                                                                                         |      |   |          |
| 37                          |       | +sdcch8setup(Freq_rg18, TSPX_TmSlitA, TSPX_TscA)                                                                                                                     |      |   |          |
| 38                          |       | (TCV_freq := Freq_rg18, TCV_CA.rf1 := TCV_freq.flst.fl)                                                                                                              |      |   |          |
| 39                          |       | +test(Ca2_g01, Ca3_g01, Ma1_g01, Ma2_g01, Ma3_g01, 6, 7, 91, ChDescrp_r57, TCV_ch)                                                                                   |      |   | 1.       |
|                             |       | <b>test2</b>                                                                                                                                                         |      |   |          |
| 40                          |       | +sdcch8setup(Freq_rg19, TSPX_TmSlitB, TSPX_TscB)                                                                                                                     |      |   |          |
| 41                          |       | (TCV_freq := Freq_rg19, TCV_CA.rf1 := TCV_freq.flst.fl)                                                                                                              |      |   |          |
| 42                          |       | +test(Ca2_g02, Ca3_g02, Ma1_g02, Ma2_g02, Ma3_g02, 2, 1, 42000, ChDescrp_r58, TCV_ch)                                                                                |      |   |          |
|                             |       | <b>test3</b>                                                                                                                                                         |      |   |          |
| 43                          |       | +sdcch8setup(Freq_rg20, TSPX_TmSlitC,                                                                                                                                |      |   |          |

|    |                                                                                                 |    |  |
|----|-------------------------------------------------------------------------------------------------|----|--|
| 44 | TSPX_TscC)<br>(TCV_freq := Freq_rg20, TCV_CA.rfl :=<br>TCV_freq.flst.fl)                        |    |  |
| 45 | +test(Ca2_g03, Ca3_g03, Ma1_g03, Ma2_g03,<br>Ma3_g03, 1, 3, 1000, ChDescrp_r59, TCV_ch)         |    |  |
|    | <b>test4</b>                                                                                    |    |  |
| 46 | +tchfsetup(Freq_rg21, TSPX_TmSlitD, TSPX_TscD)                                                  |    |  |
| 47 | (TCV_freq := Freq_rg21, TCV_CA.rfl :=<br>TCV_freq.flst.fl)                                      |    |  |
| 48 | +test(Ca2_g04, Ca3_g04, Ma1_g04, Ma2_g04,<br>Ma3_g04, 2, 3, 91, ChDescrp_r60, TCV_chTch)        | 2. |  |
|    | <b>test5</b>                                                                                    |    |  |
| 49 | +tchfsetup(Freq_rg22, TSPX_TmSlitE, TSPX_TscE)                                                  |    |  |
| 50 | (TCV_freq := Freq_rg22, TCV_CA.rfl :=<br>TCV_freq.flst.fl)                                      |    |  |
| 51 | +test(Ca2_g05, Ca3_g05, Ma1_g05, Ma2_g05,<br>Ma3_g05, 4, 2, 42000, ChDescrp_r61,<br>TCV_chTch)  |    |  |
|    | <b>test6</b>                                                                                    |    |  |
| 52 | +tchfsetup(Freq_rg23, TSPX_TmSlitF, TSPX_TscF)                                                  |    |  |
| 53 | (TCV_freq := Freq_rg23, TCV_CA.rfl :=<br>TCV_freq.flst.fl)                                      |    |  |
| 54 | +test(Ca2_g06, Ca3_g06, Ma1_g06, Ma2_g06,<br>Ma3_g06, 6, 4, 15000, ChDescrp_r62,<br>TCV_chTch)  |    |  |
|    | <b>test7</b>                                                                                    |    |  |
| 55 | +tchfsetup(Freq_rg21, TSPX_TmSlitD, TSPX_TscD)                                                  |    |  |
| 56 | (TCV_freq := Freq_rg21, TCV_CA.rfl :=<br>TCV_freq.flst.fl)                                      |    |  |
| 57 | +test(Ca2_g04, Ca3_g04, Ma1_g04, Ma2_g04,<br>Ma3_g04, 2, 3, 91, ChDescrp_r60, TCV_chTch)        | 2. |  |
|    | <b>test8</b>                                                                                    |    |  |
| 58 | +tchfsetup(Freq_rg22, TSPX_TmSlitE, TSPX_TscE)                                                  |    |  |
| 59 | (TCV_freq := Freq_rg22, TCV_CA.rfl :=<br>TCV_freq.flst.fl)                                      |    |  |
| 60 | +test(Ca2_g05, Ca3_g05, Ma1_g05, Ma2_g05,<br>Ma3_g05, 4, 2, 42000, ChDescrp_r61,<br>TCV_chTch)  |    |  |
|    | <b>test9</b>                                                                                    |    |  |
| 61 | +tchfsetup(Freq_rg23, TSPX_TmSlitF, TSPX_TscF)                                                  |    |  |
| 62 | (TCV_freq := Freq_rg23, TCV_CA.rfl :=<br>TCV_freq.flst.fl)                                      |    |  |
| 63 | +test(Ca2_g06, Ca3_g06, Ma1_g06, Ma2_g06,<br>Ma3_g06, 6, 4, 15000, ChDescrp_r62,<br>TCV_chTch)  |    |  |
|    | <b>test10</b>                                                                                   |    |  |
| 64 | +tchhsetup(Freq_rg24, TSPX_TmSlitG, TSPX_TscG)                                                  |    |  |
| 65 | (TCV_freq := Freq_rg24, TCV_CA.rfl :=<br>TCV_freq.flst.fl)                                      |    |  |
| 66 | +test(Ca2_g07, Ca3_g07, Ma1_g07, Ma2_g07,<br>Ma3_g07, 7, 4, 91, ChDescrp_r63, TCV_chTch1)       | 3. |  |
|    | <b>test11</b>                                                                                   |    |  |
| 67 | +tchhsetup(Freq_rg25, TSPX_TmSlitA, TSPX_TscA)                                                  |    |  |
| 68 | (TCV_freq := Freq_rg25, TCV_CA.rfl :=<br>TCV_freq.flst.fl)                                      |    |  |
| 69 | +test(Ca2_g08, Ca3_g08, Ma1_g08, Ma2_g08,<br>Ma3_g08, 2, 5, 42000, ChDescrp_r64,<br>TCV_chTch1) |    |  |
|    | <b>test12</b>                                                                                   |    |  |
| 70 | +tchhsetup(Freq_rg26, TSPX_TmSlitDef,                                                           |    |  |

|    |                                                                                                |    |  |
|----|------------------------------------------------------------------------------------------------|----|--|
| 71 | TSPX_TscDef<br>(TCV_freq := Freq_rg26, TCV_CA.rfl :=<br>TCV_freq.flst.fl)                      |    |  |
| 72 | +test(Ca2_g09, Ca3_g09, Ma1_g09, Ma2_g09,<br>Ma3_g09, 5, 3, 4000, ChDescrp_r65,<br>TCV_chTch1) |    |  |
| 73 | <b>test13</b><br>+sdcch8setup(Freq_rd18, TSPX_TmSlitA,<br>TSPX_TscA)                           |    |  |
| 74 | (TCV_freq := Freq_rd18, TCV_CA.rfl :=<br>TCV_freq.flst.fl)                                     |    |  |
| 75 | +test(Ca2_g01, Ca3_g01, Ma1_g01, Ma2_g01,<br>Ma3_g01, 6, 7, 91, ChDescrp_r57, TCV_ch)          | 4. |  |
| 76 | <b>test14</b><br>+sdcch8setup(Freq_rd19, TSPX_TmSlitB,<br>TSPX_TscB)                           |    |  |
| 77 | (TCV_freq := Freq_rd19, TCV_CA.rfl :=<br>TCV_freq.flst.fl)                                     |    |  |
| 78 | +test(Ca2_g02, Ca3_g02, Ma1_g02, Ma2_g02,<br>Ma3_g02, 2, 1, 42000, ChDescrp_r58, TCV_ch)       |    |  |
| 79 | <b>test15</b><br>+sdcch8setup(Freq_rd20, TSPX_TmSlitC,<br>TSPX_TscC)                           |    |  |
| 80 | (TCV_freq := Freq_rd20, TCV_CA.rfl :=<br>TCV_freq.flst.fl)                                     |    |  |
| 81 | +test(Ca2_g03, Ca3_g03, Ma1_g03, Ma2_g03,<br>Ma3_g03, 1, 3, 1000, ChDescrp_r59, TCV_ch)        |    |  |
| 82 | <b>test16</b><br>+tchfsetup(Freq_rd21, TSPX_TmSlitD, TSPX_TscD)                                |    |  |
| 83 | (TCV_freq := Freq_rd21, TCV_CA.rfl :=<br>TCV_freq.flst.fl)                                     |    |  |
| 84 | +test(Ca2_g04, Ca3_g04, Ma1_g04, Ma2_g04,<br>Ma3_g04, 2, 3, 91, ChDescrp_r60, TCV_chTch)       | 5. |  |
| 85 | <b>test17</b><br>+tchfsetup(Freq_rd22, TSPX_TmSlitE, TSPX_TscE)                                |    |  |
| 86 | (TCV_freq := Freq_rd22, TCV_CA.rfl :=<br>TCV_freq.flst.fl)                                     |    |  |
| 87 | +test(Ca2_g05, Ca3_g05, Ma1_g05, Ma2_g05,<br>Ma3_g05, 4, 2, 42000, ChDescrp_r61,<br>TCV_chTch) |    |  |
| 88 | <b>test18</b><br>+tchfsetup(Freq_rd23, TSPX_TmSlitF, TSPX_TscF)                                |    |  |
| 89 | (TCV_freq := Freq_rd23, TCV_CA.rfl :=<br>TCV_freq.flst.fl)                                     |    |  |
| 90 | +test(Ca2_g06, Ca3_g06, Ma1_g06, Ma2_g06,<br>Ma3_g06, 6, 4, 15000, ChDescrp_r62,<br>TCV_chTch) |    |  |
| 91 | <b>test19</b><br>+tchfsetup(Freq_rd21, TSPX_TmSlitD, TSPX_TscD)                                |    |  |
| 92 | (TCV_freq := Freq_rd21, TCV_CA.rfl :=<br>TCV_freq.flst.fl)                                     |    |  |
| 93 | +test(Ca2_g04, Ca3_g04, Ma1_g04, Ma2_g04,<br>Ma3_g04, 2, 3, 91, ChDescrp_r60, TCV_chTch)       | 5. |  |
| 94 | <b>test20</b><br>+tchfsetup(Freq_rd22, TSPX_TmSlitE, TSPX_TscE)                                |    |  |
| 95 | (TCV_freq := Freq_rd22, TCV_CA.rfl :=<br>TCV_freq.flst.fl)                                     |    |  |
| 96 | +test(Ca2_g05, Ca3_g05, Ma1_g05, Ma2_g05,<br>Ma3_g05, 4, 2, 42000, ChDescrp_r61,<br>TCV_chTch) |    |  |

|     |                                                                                                                                                                              |                |     |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----|
| 97  | <b>test21</b>                                                                                                                                                                |                |     |
| 98  | +tchfsetup(Freq_rd23, TSPX_TmSlitF, TSPX_TscF)                                                                                                                               |                |     |
| 99  | (TCV_freq := Freq_rd23, TCV_CA.rfl :=<br>TCV_freq.flst.fl)                                                                                                                   |                |     |
| 100 | +test(Ca2_g06, Ca3_g06, Ma1_g06, Ma2_g06,<br>Ma3_g06, 6, 4, 15000, ChDescrp_r62,<br>TCV_chTch)                                                                               |                |     |
| 101 | <b>test22</b>                                                                                                                                                                |                |     |
| 102 | +tchhsetup(Freq_rd24, TSPX_TmSlitG, TSPX_TscG)                                                                                                                               |                |     |
| 103 | (TCV_freq := Freq_rd24, TCV_CA.rfl :=<br>TCV_freq.flst.fl)                                                                                                                   |                |     |
| 104 | +test(Ca2_g07, Ca3_g07, Ma1_g07, Ma2_g07,<br>Ma3_g07, 7, 4, 91, ChDescrp_r63, TCV_chTch1)                                                                                    |                | 6.  |
| 105 | <b>test23</b>                                                                                                                                                                |                |     |
| 106 | +tchhsetup(Freq_rd25, TSPX_TmSlitA, TSPX_TscA)                                                                                                                               |                |     |
| 107 | (TCV_freq := Freq_rd25, TCV_CA.rfl :=<br>TCV_freq.flst.fl)                                                                                                                   |                |     |
| 108 | +test(Ca2_g08, Ca3_g08, Ma1_g08, Ma2_g08,<br>Ma3_g08, 2, 5, 42000, ChDescrp_r64,<br>TCV_chTch1)                                                                              |                |     |
| 109 | <b>test24</b>                                                                                                                                                                |                |     |
| 110 | +tchhsetup(Freq_rd26, TSPX_TmSlitDef,<br>TSPX_TscDef)                                                                                                                        |                |     |
| 111 | (TCV_freq := Freq_rd26, TCV_CA.rfl :=<br>TCV_freq.flst.fl)                                                                                                                   |                |     |
| 112 | +test(Ca2_g09, Ca3_g09, Ma1_g09, Ma2_g09,<br>Ma3_g09, 5, 3, 4000, ChDescrp_r65,<br>TCV_chTch1)                                                                               |                |     |
| 113 | <b>test(Ca2, Ca3: CCHD; Ma1, Ma2, Ma3: MA; Maio2,<br/>Maio3, tm:INTEGER; Chd: CHD; ch: LOGICCH)</b>                                                                          |                |     |
| 114 | (TCV_slot := C_S0, TCV_tsc := C_BCC,<br>TCV_sacch := OC_SubchOfSacch4(<br>TSPX_SDCCH4SubDef, C_CellA))                                                                       |                |     |
| 115 | +PreEnterIdleState_r06(TCV_CA, C_Immass,<br>TCV_slot, TCV_tsc, TimingAdv_01, 0, '000'B,<br>'000'B, '011'B, '00'O)                                                            |                |     |
| 116 | +channelass(Ma1, Chd)                                                                                                                                                        |                |     |
| 117 | +part1(Ca2, Ca3, Ma2, Ma3, Maio2, Maio3, tm,<br>Chd, ch)                                                                                                                     |                |     |
| 118 | <b>part1(Ca2, Ca3: CCHD; Ma2, Ma3: MA; Maio2,<br/>Maio3, tm:INTEGER; Chd: CHD; ch: LOGICCH)</b>                                                                              |                |     |
| 119 | (TCV_Res := OM_FHCHK(ch))                                                                                                                                                    |                |     |
| 120 | [TCV_Res = FALSE]                                                                                                                                                            |                | (F) |
| 121 | +PostMainLinkRel(ch)                                                                                                                                                         |                |     |
| 122 | [TCV_Res = TRUE]                                                                                                                                                             |                | (P) |
| 123 | (TCV_Fn := OM_ComingFn(ch), TCV_chd1 :=<br>Chd, TCV_chd1.maio := INT_TO_BIT(Maio2, 6),<br>TCV_Strt := OC_StartTime(TCV_Fn, tm, 0),<br>TCV_Null := OM_SendNextOn(ch, TCV_Fn)) |                |     |
| 124 | (TCV_Null := OM_FreqDef(TCV_Strt, Ma2, ch,<br>TCV_chd1, Ca2))                                                                                                                |                |     |
| 125 | LIDL_DatRqFrqre (DL_DatRqFrqre.msg.chd<br>:= TCV_chd1, DL_DatRqFrqre.msg.ma :=<br>Ma2, DL_DatRqFrqre.msg.strt := TCV_Strt,<br>DL_DatRqFrqre.msg.cchd := Ca2)                 | FrqRedf_01(ch) |     |
| 126 | +part2(Ca3, Ma3, Maio3, tm, Chd, ch)                                                                                                                                         |                |     |
| 127 | <b>part2(Ca3: CCHD; Ma3:<br/>MA; Maio3, tm:INTEGER; Chd: CHD; ch: LOGICCH)</b>                                                                                               |                |     |
| 128 | (TCV_Res := OM_FHCHK(TCV_sacchTch))                                                                                                                                          |                |     |
| 129 | [TCV_Res = FALSE]                                                                                                                                                            |                | (F) |
| 130 | +PostMainLinkRel(ch)                                                                                                                                                         |                |     |
| 131 | [TCV_Res = TRUE]                                                                                                                                                             |                | (P) |
| 132 | (TCV_Fn := OM_ComingFn(ch), TCV_chd1 :=                                                                                                                                      |                |     |

|                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                      |                                                           |  |                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--|-------------------------|
| 126                                                                                                                                                                                                                                                                                                                                                                                                           | <p>Chd, TCV_chd1.maio := INT_TO_BIT(Maio3, 6),<br/> TCV_Strt := OC_StartTime(TCV_Fn, tm, 0),<br/> TCV_Null := OM_SendNextOn(ch, TCV_Fn))<br/> +part3(Ca3, Ma3, ch)</p>                                                                               |                                                           |  |                         |
| 127                                                                                                                                                                                                                                                                                                                                                                                                           | <p><b>part3(Ca3: CCHD; Ma3: MA; ch: LOGICCH)</b><br/> (TCV_Null := OM_FreqDef(TCV_Strt, Ma3, ch,<br/> TCV_chd1, Ca3))</p>                                                                                                                            |                                                           |  |                         |
| 128                                                                                                                                                                                                                                                                                                                                                                                                           | <p>LIDL_DatRqFrqre (DL_DatRqFrqre.msg.chd :=<br/> TCV_chd1, DL_DatRqFrqre.msg.ma := Ma3,<br/> DL_DatRqFrqre.msg.strt := TCV_Strt,<br/> DL_DatRqFrqre.msg.cchd := Ca3)</p>                                                                            | FrqRedf_01(ch)                                            |  |                         |
| 129                                                                                                                                                                                                                                                                                                                                                                                                           | (TCV_Res := OM_FHCHK(ch))                                                                                                                                                                                                                            |                                                           |  |                         |
| 130                                                                                                                                                                                                                                                                                                                                                                                                           | [TCV_Res = FALSE]                                                                                                                                                                                                                                    |                                                           |  | (F)                     |
| 131                                                                                                                                                                                                                                                                                                                                                                                                           | +PostMainLinkRel(ch)                                                                                                                                                                                                                                 |                                                           |  |                         |
| 132                                                                                                                                                                                                                                                                                                                                                                                                           | [TCV_Res = TRUE]                                                                                                                                                                                                                                     |                                                           |  | (P)                     |
| 133                                                                                                                                                                                                                                                                                                                                                                                                           | +PostMainLinkRel(ch)                                                                                                                                                                                                                                 |                                                           |  |                         |
| 134                                                                                                                                                                                                                                                                                                                                                                                                           | <p><b>sdccch8setup(FqPara: FRQPARA; Tmslt:SN; Tsc:TSC)</b><br/> (TCV_ch :=<br/> OC_SubchOfSdcch8(TSPX_SDCCH8SubA, C_CellA,<br/> 1), TCV_sacchTch :=<br/> OC_SubchOfSacch8(TSPX_SDCCH8SubA, C_CellA,<br/> 1), TCV_slot := Tmslt, TCV_tsc := Tsc)</p>  |                                                           |  |                         |
| 135                                                                                                                                                                                                                                                                                                                                                                                                           | +SDCCCH8_A_1_12(FqPara, C_Immass, Tmslt,<br>Tsc, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                              |                                                           |  |                         |
| 136                                                                                                                                                                                                                                                                                                                                                                                                           | <p><b>tchfsetup(FqPara: FRQPARA; Tmslt:SN; Tsc:TSC)</b><br/> (TCV_chTch := C_FACCHF_A_1, TCV_sacchTch :=<br/> C_SACCHF_A_1, TCV_slot := Tmslt, TCV_tsc :=<br/> Tsc)</p>                                                                              |                                                           |  |                         |
| 137                                                                                                                                                                                                                                                                                                                                                                                                           | +FullRateCh_A_1_18(FqPara, C_Immass, Tmslt,<br>Tsc, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                           |                                                           |  |                         |
| 138                                                                                                                                                                                                                                                                                                                                                                                                           | <p><b>tchhsetup(FqPara: FRQPARA; Tmslt:SN; Tsc:TSC)</b><br/> (TCV_chTch1 :=<br/> OC_SubchOfFacchh(TSPX_TCHHSubDef, C_CellA,<br/> 1), TCV_sacchTch :=<br/> OC_SubchOfSacchh(TSPX_TCHHSubDef, C_CellA,<br/> 1), TCV_slot := Tmslt, TCV_tsc := Tsc)</p> |                                                           |  |                         |
| 139                                                                                                                                                                                                                                                                                                                                                                                                           | +HalfRateCh_A_1_12(FqPara, C_Immass, Tmslt,<br>Tsc, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                           |                                                           |  |                         |
| 140                                                                                                                                                                                                                                                                                                                                                                                                           | <p><b>channelass(Ma1:MA; Chd: CHD)</b><br/> +CCCH_group_Paging_group(TCV_Ccd0A,<br/> TSPX_IMSI)</p>                                                                                                                                                  |                                                           |  |                         |
| 141                                                                                                                                                                                                                                                                                                                                                                                                           | LIDL_UdatRqPg1Rq                                                                                                                                                                                                                                     | PgReq1(TCV_PgCh,<br>TCV_Pgg,<br>PgReqTp1_01)              |  |                         |
| 142                                                                                                                                                                                                                                                                                                                                                                                                           | L?DL_RaclnChRq (TCV_Rr := DL_RaclnChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaclnChRq.fn)                                                                                                                                                                  | ChReq_01                                                  |  |                         |
| 143                                                                                                                                                                                                                                                                                                                                                                                                           | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                         |                                                           |  | To match ChReq retrans. |
| 144                                                                                                                                                                                                                                                                                                                                                                                                           | LIDL_UdatRqImmass<br>(DL_UdatRqImmass.msg.chd := Chd,<br>DL_UdatRqImmass.msg.ma := Ma1)                                                                                                                                                              | ImmAss_02(TCV_agc<br>h, TCV_Rr, TCV_Fn,<br>TimingAdv_r01) |  |                         |
| 145                                                                                                                                                                                                                                                                                                                                                                                                           | L?DL_EstlnPgRes( TCV_Fn :=<br>DL_EstlnPgRes.fn)                                                                                                                                                                                                      | PgRes_01                                                  |  |                         |
| 146                                                                                                                                                                                                                                                                                                                                                                                                           | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                            |                                                           |  | Restore Normal default  |
| <p><b>Detailed Comments:</b></p> <ol style="list-style-type: none"> <li>1. To perform test on SDCCH channel for GSM.</li> <li>2. To perform test on TCH/F channel for GSM.</li> <li>3. To perform test on TCH/H channel for GSM.</li> <li>4. To perform test on SDCCH channel for DCS.</li> <li>5. To perform test on TCH/F channel for DCS.</li> <li>6. To perform test on TCH/H channel for DCS.</li> </ol> |                                                                                                                                                                                                                                                      |                                                           |  |                         |

### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_26_6_7_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Group:</b>          | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purpose:</b>        | To verify that the MS, in an RR connected state, acknowledging a CHANNEL MODE MODIFY message by sending a CHANNEL MODE MODIFY ACKNOWLEDGEMENT message specifying and switching to the correct mode. <ul style="list-style-type: none"> <li>- the new mode if that mode is supported</li> <li>- the old mode if the new mode is not supported.</li> </ul> <p>This shall be verified for the channel modes</p> <ul style="list-style-type: none"> <li>- signalling only</li> <li>- speech full rate</li> <li>- data 9.6 Kb/s</li> <li>- data 4.8 Kb/s full rate</li> <li>- data 2.4 Kb/s full rate.</li> </ul> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Comments:</b>       | apply only to the MS supporting TCH/F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| Nr | Label | Behaviour Description                                                                                                                            | CRef                                                           | V   | Comments                |
|----|-------|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-----|-------------------------|
| 1  |       | START T_guard(300)                                                                                                                               |                                                                |     |                         |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                             |                                                                |     |                         |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                  |                                                                |     |                         |
| 4  |       | +gsmOrDcs                                                                                                                                        |                                                                |     |                         |
| 5  |       | +PreEnterIdleState_Comb04( C_Immass, TCV_slot, TCV_tsc, 5,1, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O) |                                                                |     | 1.                      |
| 6  |       | +CCCH_group_Paging_group( TCV_Ccd0A, TSPX_IMSI)                                                                                                  |                                                                |     |                         |
| 7  |       | L!DL_UdatRqPg1Rq                                                                                                                                 | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_05)                         |     |                         |
| 8  |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                  | ChReq_01                                                       |     |                         |
| 9  |       | ACTIVATE(OtherEventsFail_02)                                                                                                                     |                                                                |     | To match ChReq retrans. |
| 10 |       | L!DL_UdatRqImmass                                                                                                                                | ImmAss_r13(TCV_ag ch, TCV_Rr, TCV_Fn, TCV_chd1, TimingAdv_r01) |     | 2.                      |
| 11 |       | L?DL_EstInPgRes                                                                                                                                  | PgRes_r05                                                      |     |                         |
| 12 |       | ACTIVATE(OtherEventsFail)                                                                                                                        |                                                                |     | Restore Normal default  |
| 13 | body  | L!DL_DatRqChmmo                                                                                                                                  | ChmmoReq_01( ChMod_speech, TCV_chTch, TCV_chd1)                |     |                         |
| 14 |       | [TSPC_FullRateSpeech = TRUE]                                                                                                                     |                                                                |     |                         |
| 15 |       | L?DL_DatInChmmoAck                                                                                                                               | ChmmoAck_01( ChMod_speech, TCV_chTch, TCV_chd1)                | (P) |                         |
| 16 |       | +localtree( ChMod_speech)                                                                                                                        |                                                                |     |                         |
| 17 |       | [TSPC_FullRateSpeech = FALSE]                                                                                                                    |                                                                |     |                         |
| 18 |       | L?DL_DatInChmmoAck                                                                                                                               | ChmmoAck_01( ChMod_sign, TCV_chTch, TCV_chd1)                  | (P) |                         |
| 19 |       | +localtree(ChMod_sign)                                                                                                                           |                                                                |     |                         |
| 20 |       | <b>localtree(chm:CHMOD)</b><br>L!DL_DatRqChmmo                                                                                                   | ChmmoReq_01( ChMod_12k, TCV_chTch, TCV_chd1)                   |     |                         |
| 21 |       | [TSPC_96Data = TRUE]                                                                                                                             |                                                                |     |                         |

|    |                                      |                                                        |     |
|----|--------------------------------------|--------------------------------------------------------|-----|
| 22 | L?DL_DatInChmмоAck                   | ChmмоAck_01(<br>ChMod_12k,<br>TCV_chTch,<br>TCV_chd1)  | (P) |
| 23 | L!DL_DatRqChmмо                      | ChmмоReq_01(<br>ChMod_6k,<br>TCV_chTch,<br>TCV_chd1)   |     |
| 24 | [TSPC_48DataF = TRUE]                |                                                        |     |
| 25 | +localtree2                          |                                                        |     |
| 26 | [TSPC_48DataF = FALSE]               |                                                        |     |
| 27 | L?DL_DatInChmмоAck                   | ChmмоAck_01(<br>ChMod_12k,<br>TCV_chTch,<br>TCV_chd1)  | (P) |
| 28 | L!DL_DatRqChmмо                      | ChmмоReq_01(<br>ChMod_3k,<br>TCV_chTch,<br>TCV_chd1)   |     |
| 29 | [TSPC_24DataF = TRUE]                |                                                        |     |
| 30 | L?DL_DatInChmмоAck                   | ChmмоAck_01(<br>ChMod_3k,<br>TCV_chTch,<br>TCV_chd1)   | (P) |
| 31 | +localtree1                          |                                                        |     |
| 32 | [TSPC_24DataF = FALSE]               |                                                        |     |
| 33 | L?DL_DatInChmмоAck                   | ChmмоAck_01(<br>ChMod_12k,<br>TCV_chTch,<br>TCV_chd1)  | (P) |
| 34 | +localtree1                          |                                                        |     |
| 35 | [TSPC_96Data = FALSE]                |                                                        |     |
| 36 | L?DL_DatInChmмоAck                   | ChmмоAck_01( chm,<br>TCV_chTch,<br>TCV_chd1)           | (P) |
| 37 | L!DL_DatRqChmмо                      | ChmмоReq_01(<br>ChMod_6k,<br>TCV_chTch,<br>TCV_chd1)   |     |
| 38 | [TSPC_48DataF = TRUE]                |                                                        |     |
| 39 | +localtree2                          |                                                        |     |
| 40 | [TSPC_48DataF = FALSE]               |                                                        |     |
| 41 | L?DL_DatInChmмоAck                   | ChmмоAck_01( chm,<br>TCV_chTch,<br>TCV_chd1)           | (P) |
| 42 | L!DL_DatRqChmмо                      | ChmмоReq_01(<br>ChMod_3k,<br>TCV_chTch,<br>TCV_chd1)   |     |
| 43 | [TSPC_24DataF = TRUE]                |                                                        |     |
| 44 | L?DL_DatInChmмоAck                   | ChmмоAck_01(<br>ChMod_3k,<br>TCV_chTch,<br>TCV_chd1)   | (P) |
| 45 | +localtree1                          |                                                        |     |
| 46 | [TSPC_24DataF = FALSE]               |                                                        |     |
| 47 | L?DL_DatInChmмоAck                   | ChmмоAck_01( chm,<br>TCV_chTch,<br>TCV_chd1)           | (P) |
| 48 | +localtree1                          |                                                        |     |
| 49 | <b>localtree1</b><br>L!DL_DatRqChmмо | ChmмоReq_01(<br>ChMod_sign,<br>TCV_chTch,<br>TCV_chd1) |     |
| 50 | L?DL_DatInChmмоAck                   | ChmмоAck_01(<br>ChMod_sign,<br>TCV_chTch,<br>TCV_chd1) | (P) |
| 51 | +PostMainLinkRel(TCV_chTch)          |                                                        |     |



|                           |                                                                                                                                                                                                                                                      |                                                                     |     |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-----|
| 52                        | <b>localtree2</b><br>L?DL_DatInChmmoAck                                                                                                                                                                                                              | ChmmoAck_01(<br>ChMod_6k,<br>TCV_chTch,<br>TCV_chd1)                | (P) |
| 53                        | L!DL_DatRqChmmo                                                                                                                                                                                                                                      | ChmmoReq_01(<br>ChMod_3k,<br>TCV_chTch,<br>TCV_chd1)                |     |
| 54                        | [TSPC_24DataF = TRUE]                                                                                                                                                                                                                                |                                                                     |     |
| 55                        | L?DL_DatInChmmoAck                                                                                                                                                                                                                                   | ChmmoAck_01(<br>ChMod_3k,<br>TCV_chTch,<br>TCV_chd1)                | (P) |
| 56                        | +localtree1                                                                                                                                                                                                                                          |                                                                     |     |
| 57                        | [TSPC_24DataF = FALSE]                                                                                                                                                                                                                               |                                                                     |     |
| 58                        | L?DL_DatInChmmoAck                                                                                                                                                                                                                                   | ChmmoAck_01(<br>ChMod_6k,<br>TCV_chTch,<br>TCV_chd1)                | (P) |
| 59                        | +localtree1                                                                                                                                                                                                                                          |                                                                     |     |
|                           | <b>gsmOrDcs</b>                                                                                                                                                                                                                                      |                                                                     |     |
| 60                        | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                             |                                                                     |     |
| 61                        | (TCV_ch := OC_SubchOfSdcch4(<br>TSPX_SDCCH4SubDef, C_CellA), TCV_sacch :=<br>OC_SubchOfSacch4( TSPX_SDCCH4SubDef,<br>C_CellA), TCV_chTch := C_FACCHF_A_1,<br>TCV_sacchTch := C_SACCHF_A_1, TCV_chd1 :=<br>ChDescrp_r02(TSPX_TmSltDef, TSPX_TscDef))  |                                                                     |     |
| 62                        | [TSPC_DCS]                                                                                                                                                                                                                                           |                                                                     |     |
| 63                        | (TCV_ch := OC_SubchOfSdcch4(<br>TSPX_SDCCH4SubDef, C_CellA), TCV_sacch :=<br>OC_SubchOfSacch4( TSPX_SDCCH4SubDef,<br>C_CellA), TCV_chTch := C_FACCHF_A_1,<br>TCV_sacchTch := C_SACCHF_A_1, TCV_chd1 :=<br>ChDescrp_r02d(TSPX_TmSltDef, TSPX_TscDef)) |                                                                     |     |
| <b>Detailed Comments:</b> |                                                                                                                                                                                                                                                      | 1. Default system infirmations for RR testing.<br>2. TCH/F channel. |     |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                               |     |                         |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_6_7_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                               |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                               |     |                         |
| <b>Purpose:</b>             |       | <p>To verify that the MS, in an RR connected state, acknowledges a CHANNEL MODE MODIFY message by sending a CHANNEL MODE MODIFY ACKNOWLEDGEMENT message specifying and switches to the correct mode</p> <ul style="list-style-type: none"> <li>- the new mode if that mode is supported</li> <li>- the old mode if the new mode is not supported.</li> </ul> <p>This shall be verified for the channel modes</p> <ul style="list-style-type: none"> <li>- signalling only</li> <li>- speech half rate</li> <li>- data 4.8 Kb/s half rate</li> <li>- data 2.4 Kb/s half rate</li> </ul> |                                                               |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                               |     |                         |
| <b>Comments:</b>            |       | apply only to the MS supporting TCH/H.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                               |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CRef                                                          | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                               |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                               |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                               |     |                         |
| 4                           |       | +gsmOrDcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                               |     |                         |
| 5                           |       | +PreEnterIdleState_Comb01( C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                               |     | 1.                      |
| 6                           |       | +HalfRateCh_A_im_def(C_Immass, TSPX_TmSlDef, TSPX_TscDef, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                               |     |                         |
| 7                           |       | +CCCH_group_Paging_group(TCV_Ccd0 A, TSPX_IMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                               |     |                         |
| 8                           |       | LIDL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_05)                        |     |                         |
| 9                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq. msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ChReq_01                                                      |     |                         |
| 10                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                               |     | To match ChReq retrans. |
| 11                          |       | LIDL_UdatRqImmass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ImmAss_r14(TCV_agch, TCV_Rr, TCV_Fn, TCV_chd1, TimingAdv_r01) |     | 2.                      |
| 12                          |       | L?DL_EstInPgRes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PgRes_r05                                                     |     |                         |
| 13                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                               |     | Restore Normal default  |
| 14                          |       | LIDL_DatRqChmmo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ChmmoReq_02(ChMod_speech, TCV_chTch, TCV_chd1)                |     |                         |
| 15                          |       | L?DL_DatInChmmoAck                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ChmmoAck_02(ChMod_speech, TCV_chTch, TCV_chd1)                | (P) |                         |
| 16                          |       | [TSPC_HalfRateSpeech = TRUE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                               |     |                         |
| 17                          |       | L?DL_DatInChmmoAck                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ChmmoAck_02(ChMod_speech, TCV_chTch, TCV_chd1)                | (P) |                         |
| 18                          |       | +localtree(ChMod_speech)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                               |     |                         |
| 19                          |       | [TSPC_HalfRateSpeech = FALSE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                               |     |                         |
| 20                          |       | L?DL_DatInChmmoAck                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ChmmoAck_02(ChMod_sign, TCV_chTch, TCV_chd1)                  | (P) |                         |
| 21                          |       | +localtree(ChMod_sign)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                               |     |                         |

|    |                                                                                                                                                                                                                |                                                        |     |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-----|
| 22 | <b>localtree(chm:CHMOD)</b><br>L!DL_DatRqChmmo                                                                                                                                                                 | ChmmoReq_02(<br>ChMod_6k,<br>TCV_chTch,<br>TCV_chd1)   |     |
| 23 | [TSPC_48DataH = TRUE]                                                                                                                                                                                          |                                                        |     |
| 24 | +localtree2                                                                                                                                                                                                    |                                                        |     |
| 25 | [TSPC_48DataH = FALSE]                                                                                                                                                                                         |                                                        |     |
| 26 | L?DL_DatInChmmoAck                                                                                                                                                                                             | ChmmoAck_02( chm,<br>TCV_chTch,<br>TCV_chd1)           | (P) |
| 27 | L!DL_DatRqChmmo                                                                                                                                                                                                | ChmmoReq_02(<br>ChMod_3k,<br>TCV_chTch,<br>TCV_chd1)   |     |
| 28 | [TSPC_24DataH = TRUE]                                                                                                                                                                                          |                                                        |     |
| 29 | L?DL_DatInChmmoAck                                                                                                                                                                                             | ChmmoAck_02(<br>ChMod_3k,<br>TCV_chTch,<br>TCV_chd1)   | (P) |
| 30 | +localtree1                                                                                                                                                                                                    |                                                        |     |
| 31 | [TSPC_24DataH = FALSE]                                                                                                                                                                                         |                                                        |     |
| 32 | L?DL_DatInChmmoAck                                                                                                                                                                                             | ChmmoAck_02( chm,<br>TCV_chTch,<br>TCV_chd1)           | (P) |
| 33 | +localtree1                                                                                                                                                                                                    |                                                        |     |
| 34 | <b>localtree1</b><br>L!DL_DatRqChmmo                                                                                                                                                                           | ChmmoReq_02(<br>ChMod_sign,<br>TCV_chTch,<br>TCV_chd1) |     |
| 35 | L?DL_DatInChmmoAck                                                                                                                                                                                             | ChmmoAck_02(<br>ChMod_sign,<br>TCV_chTch,<br>TCV_chd1) | (P) |
| 36 | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                    |                                                        |     |
| 37 | <b>localtree2</b><br>L?DL_DatInChmmoAck                                                                                                                                                                        | ChmmoAck_02(<br>ChMod_6k,<br>TCV_chTch,<br>TCV_chd1)   | (P) |
| 38 | L!DL_DatRqChmmo                                                                                                                                                                                                | ChmmoReq_02(<br>ChMod_3k,<br>TCV_chTch,<br>TCV_chd1)   |     |
| 39 | [TSPC_24DataH = TRUE]                                                                                                                                                                                          |                                                        |     |
| 40 | L?DL_DatInChmmoAck                                                                                                                                                                                             | ChmmoAck_02(<br>ChMod_3k,<br>TCV_chTch,<br>TCV_chd1)   | (P) |
| 41 | +localtree1                                                                                                                                                                                                    |                                                        |     |
| 42 | [TSPC_24DataH = FALSE]                                                                                                                                                                                         |                                                        |     |
| 43 | L?DL_DatInChmmoAck                                                                                                                                                                                             | ChmmoAck_02(<br>ChMod_6k,<br>TCV_chTch,<br>TCV_chd1)   | (P) |
| 44 | +localtree1                                                                                                                                                                                                    |                                                        |     |
| 45 | <b>gsmOrDcs</b><br>[TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                    |                                                        |     |
| 46 | (TCV_chTch := OC_SubchOfFacchh(<br>TSPX_TCHHSubA, C_CellA, 1), TCV_sacchTch :=<br>OC_SubchOfSacchh( TSPX_TCHHSubA, C_CellA,<br>1), TCV_chd1 := ChDescrp_r03(<br>TSPX_TCHHSubA, TSPX_TmSlTDef,<br>TSPX_TscDef)) |                                                        |     |
| 47 | [TSPC_DCS]                                                                                                                                                                                                     |                                                        |     |
| 48 | (TCV_chTch := OC_SubchOfFacchh(<br>TSPX_TCHHSubA, C_CellA, 1), TCV_sacchTch :=                                                                                                                                 |                                                        |     |

|                                                                                                 |                                                                                                                                |  |  |  |
|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--|--|--|
|                                                                                                 | OC_SubchOfSacchh( TSPX_TCHHSubA, C_CellA,<br>1), TCV_chd1 := ChDescrp_r03d(<br>TSPX_TCHHSubA, TSPX_TmSlitDef,<br>TSPX_TscDef)) |  |  |  |
| <b>Detailed Comments:</b><br>1. Default system infirmations for RR testing.<br>2. TCH/H channel |                                                                                                                                |  |  |  |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                   |                    |     |                         |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_6_8_1                                                                                                                                                                                                                                                       |                    |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                               |                    |     |                         |
| <b>Purpose:</b>             |       | To verify that the MS starts ciphering when it receives a CIPHERING MODE COMMAND message with Cipher Mode Setting = "Start Ciphering". To verify that it continues to use the old cipher key after it receives an AUTHENTICATION REQUEST whilst in ciphered mode. |                    |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                   |                    |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                             | CRef               | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                |                    |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                              |                    |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                   |                    |     |                         |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDA))                                                                                              |                    |     |                         |
| 5                           |       | +PreEnterIdleState_r03(C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                              |                    | 1.  |                         |
| 6                           | body  | [TSPC_Feat_A51 =TRUE]                                                                                                                                                                                                                                             |                    |     |                         |
| 7                           |       | (TCV_CphAlg := '000'B)                                                                                                                                                                                                                                            |                    |     |                         |
| 8                           |       | +AttmptCall                                                                                                                                                                                                                                                       |                    |     |                         |
| 9                           |       | +BasicServiceMO(TSPX_MO_BscSvc_AnyCall, TSPX_MO_rate_AnyCall)                                                                                                                                                                                                     |                    |     |                         |
| 10                          |       | +localtree                                                                                                                                                                                                                                                        |                    | 2.  |                         |
| 11                          |       | [TSPC_Feat_A52 =TRUE]                                                                                                                                                                                                                                             |                    |     |                         |
| 12                          |       | (TCV_CphAlg := '001'B)                                                                                                                                                                                                                                            |                    |     |                         |
| 13                          |       | +AttmptCall                                                                                                                                                                                                                                                       |                    |     |                         |
| 14                          |       | +BasicServiceMO(TSPX_MO_BscSvc_AnyCall, TSPX_MO_rate_AnyCall)                                                                                                                                                                                                     |                    |     |                         |
| 15                          |       | +localtree                                                                                                                                                                                                                                                        |                    | 3.  |                         |
| 16                          |       | [TSPC_Feat_A52 =FALSE]                                                                                                                                                                                                                                            |                    |     |                         |
| 17                          |       | [TSPC_Feat_A51 =FALSE]                                                                                                                                                                                                                                            |                    |     |                         |
| 18                          |       | [TSPC_Feat_A52 =TRUE]                                                                                                                                                                                                                                             |                    |     |                         |
| 19                          |       | (TCV_CphAlg := '001'B)                                                                                                                                                                                                                                            |                    |     |                         |
| 20                          |       | +AttmptCall                                                                                                                                                                                                                                                       |                    |     |                         |
| 21                          |       | +BasicServiceMO(TSPX_MO_BscSvc_AnyCall, TSPX_MO_rate_AnyCall)                                                                                                                                                                                                     |                    |     |                         |
| 22                          |       | +localtree                                                                                                                                                                                                                                                        |                    | 3.  |                         |
| 23                          |       | <b>localtree</b><br>L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                  | ChReq_04           |     |                         |
| 24                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                      |                    |     | To match ChReq retrans. |
| 25                          |       | +gsmOrDcs                                                                                                                                                                                                                                                         |                    |     |                         |
| 26                          |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                   | CmsrReq_01         |     |                         |
| 27                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                         |                    |     | Restore Normal default  |
| 28                          |       | L!DL_DatRqAuthRq<br>(DL_DatRqAuthRq.msg.rand := TSPX_RANDA)                                                                                                                                                                                                       | AuthReq_01(TCV_ch) |     |                         |
| 29                          |       | L?DL_DatInAuthRes                                                                                                                                                                                                                                                 | AuthRes_01         |     |                         |
| 30                          |       | (TCV_CphMd.algid := TCV_CphAlg)                                                                                                                                                                                                                                   |                    |     |                         |
| 31                          |       | (TCV_Null := OM_CphMdChg(TCV_ch, TCV_CphMd, TCV_CphKey))                                                                                                                                                                                                          |                    |     |                         |
| 32                          |       | LIDL_DatRqCphmCmd<br>(DL_DatRqCphmCmd.msg.cphms.algid := TCV_CphAlg)                                                                                                                                                                                              | CphCmd_01(TCV_ch)  | 4.  |                         |
| 33                          |       | L?DL_DatInCphmCom                                                                                                                                                                                                                                                 | CphCmp_01          | (P) |                         |
| 34                          |       | L?DL_DatInSetup                                                                                                                                                                                                                                                   | SetupIn_01         |     |                         |
| 35                          |       | LIDL_DatRqAuthRq                                                                                                                                                                                                                                                  | AuthReq_01(TCV_ch) |     |                         |
| 36                          |       | L?DL_DatInAuthRes                                                                                                                                                                                                                                                 | AuthRes_01         | (P) |                         |
| 37                          |       | +PostMainLinkRel(TCV_c                                                                                                                                                                                                                                            |                    |     |                         |

|                           |  |                                                                                                                                                                                                                                                       |                                                                                  |  |
|---------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--|
|                           |  | h)                                                                                                                                                                                                                                                    |                                                                                  |  |
| 38                        |  | <b>gsmOrDcs</b>                                                                                                                                                                                                                                       |                                                                                  |  |
| 39                        |  | [TSPC_PGSM OR TSPC_EGSM]<br>LIDL_UdatRqImm                                                                                                                                                                                                            | ImmAss_r12(TCV_ag<br>ch, TCV_Rr, TCV_Fn,<br>TCV_slot, TCV_tsc,<br>TimingAdv_r01) |  |
| 40                        |  | [TSPC_DCS]                                                                                                                                                                                                                                            |                                                                                  |  |
| 41                        |  | LIDL_UdatRqImm                                                                                                                                                                                                                                        | ImmAss_r18(TCV_ag<br>ch, TCV_Rr, TCV_Fn,<br>TCV_slot, TCV_tsc,<br>TimingAdv_r01) |  |
| <b>Detailed Comments:</b> |  | <ol style="list-style-type: none"> <li>1. 1 cell with default parameters except Radio-Link-Timeout = 64.</li> <li>2. Test the A5/1 algorithm.</li> <li>3. Test the A5/2 algorithm.</li> <li>4. Ciphering mode setting = "Start ciphering".</li> </ol> |                                                                                  |  |

| Test Case Dynamic Behaviour |       |                                                                                                                                             |                                                                         |     |                         |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_6_8_2                                                                                                                                 |                                                                         |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                         |                                                                         |     |                         |
| <b>Purpose:</b>             |       | To verify that the MS does not start ciphering when it receives a CIPHERING MODE COMMAND message with Cipher Mode Setting = "No Ciphering". |                                                                         |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                             |                                                                         |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                       | CRef                                                                    | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                          |                                                                         |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                        |                                                                         |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Imm, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                |                                                                         |     |                         |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubA, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubA, C_CellA))                             |                                                                         |     |                         |
| 5                           |       | +PreEnterIdleState_r03(C_Imm, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O)                                           |                                                                         |     | 1.                      |
| 6                           | body  | +AttmCall                                                                                                                                   |                                                                         |     |                         |
| 7                           |       | +BasicServiceMO(TSPX_MO_BscSvc_AnyCall, TSPX_MO_rate_AnyCall)                                                                               |                                                                         |     |                         |
| 8                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                | ChReq_04                                                                |     |                         |
| 9                           |       | ACTIVATE(OtherEventsFail_02)                                                                                                                |                                                                         |     | To match ChReq retrans. |
| 10                          |       | +gsmOrDcs                                                                                                                                   |                                                                         |     |                         |
| 11                          |       | L?DL_EstInCmsRq                                                                                                                             | CmsrReq_01                                                              |     |                         |
| 12                          |       | ACTIVATE(OtherEventsFail)                                                                                                                   |                                                                         |     | Restore Normal default  |
| 13                          |       | L!DL_DatRqAuthRq                                                                                                                            | AuthReq_01(TCV_ch)                                                      |     |                         |
| 14                          |       | L?DL_DatInAuthRes                                                                                                                           | AuthRes_01                                                              |     |                         |
| 15                          |       | L!DL_DatRqCphmCmd                                                                                                                           | CphCmd_02(TCV_ch)                                                       |     | 2.                      |
| 16                          |       | L?DL_DatInCphmCom                                                                                                                           | CphCmp_01                                                               |     |                         |
| 17                          |       | L?DL_DatInSetup                                                                                                                             | SetupIn_01                                                              | (P) |                         |
| 18                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                    |                                                                         |     |                         |
|                             |       | <b>gsmOrDcs</b>                                                                                                                             |                                                                         |     |                         |
| 19                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                    |                                                                         |     |                         |
| 20                          |       | L!DL_UdatRqImm                                                                                                                              | ImmAss_r09(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_r01)  |     |                         |
| 21                          |       | [TSPC_DCS]                                                                                                                                  |                                                                         |     |                         |
| 22                          |       | L!DL_UdatRqImm                                                                                                                              | ImmAss_r09d(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_r01) |     |                         |
| <b>Detailed Comments:</b>   |       | 1. 1 cell with default parameters except Radio-Link-Timeout = 64.<br>2. Ciphering mode setting = "no ciphering".                            |                                                                         |     |                         |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                     |                                                                        |     |                         |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_6_8_3                                                                                                                                                                                                                                                                                                         |                                                                        |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                 |                                                                        |     |                         |
| <b>Purpose:</b>             |       | To verify that the MS uses the stored cipher key when it receives a CIPHERING MODE COMMAND without a preceding authentication procedure.                                                                                                                                                                            |                                                                        |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                     |                                                                        |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                               | CRef                                                                   | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                  |                                                                        |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                |                                                                        |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                     |                                                                        |     |                         |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubB, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubB, C_CellA), TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef))                                                                                                                                                  |                                                                        |     |                         |
| 5                           |       | +PreEnterIdleState_r03(C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                |                                                                        |     | 1.                      |
| 6                           | body  | +AttmpCall                                                                                                                                                                                                                                                                                                          |                                                                        |     |                         |
| 7                           |       | +BasicServiceMO(TSPX_MO_BscSvc_AnyCall, TSPX_MO_rate_AnyCall)                                                                                                                                                                                                                                                       |                                                                        |     |                         |
| 8                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                        | ChReq_04                                                               |     |                         |
| 9                           |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                        |                                                                        |     | To match ChReq retrans. |
| 10                          |       | +gsmOrDcs                                                                                                                                                                                                                                                                                                           |                                                                        |     |                         |
| 11                          |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                     | CmsrReq_01                                                             |     |                         |
| 12                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                           |                                                                        |     | Restore Normal default  |
| 13                          |       | (TCV_CphMd.algid := TSPX_CphAlgA)                                                                                                                                                                                                                                                                                   |                                                                        |     | 2.                      |
| 14                          |       | (TCV_Null := OM_CphMdChg(TCV_ch, TCV_CphMd, TCV_CphKey))                                                                                                                                                                                                                                                            |                                                                        |     |                         |
| 15                          |       | LIDL_DatRqCphmCmd (DL_DatRqCphmCmd.msg.cphms.algid := TSPX_CphAlgA)                                                                                                                                                                                                                                                 | CphCmd_01(TCV_ch)                                                      |     | 3.                      |
| 16                          |       | L?DL_DatInCphmCom                                                                                                                                                                                                                                                                                                   | CphCmp_01                                                              | (P) |                         |
| 17                          |       | L?DL_DatInSetup                                                                                                                                                                                                                                                                                                     | SetupIn_01                                                             | (P) |                         |
| 18                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                            |                                                                        |     |                         |
| 19                          |       | <b>gsmOrDcs</b>                                                                                                                                                                                                                                                                                                     |                                                                        |     |                         |
| 20                          |       | [TSPC_PGSM OR TSPC_EGSM]<br>LIDL_UdatRqImmass                                                                                                                                                                                                                                                                       | ImmAss_r10(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_r01) |     |                         |
| 21                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                          |                                                                        |     |                         |
| 22                          |       | LIDL_UdatRqImmass                                                                                                                                                                                                                                                                                                   | ImmAss_r16(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_r01) |     |                         |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1 cell with default parameters except Radio-Link-Timeout = 64.</li> <li>The cphering algorithm is chosen arbitrarily but controllable (TSPX_CphAlgA).</li> <li>Ciphering mode setting = "Start ciphering", old stored Kc. (generated by TSPX_Ki and TSPX_RANDDef)</li> </ol> |                                                                        |     |                         |



### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_26_6_8_4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Group:</b>          | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purpose:</b>        | <p>1 To verify that when the MS is in the "not ciphered" mode and receives the CIPHERING MODE COMMAND message with Ciphering Mode Setting information element set to "start ciphering", the MS uses the cipher key stored in the SIM to start ciphering and deciphering with the algorithm indicated by the "algorithm identifier" field and that the MS responds with a CIPHERING MODE COMPLETE message.</p> <p>2 To verify that the MS is ready to transmit the CIPHERING MODE COMPLETE message before 500ms after the end of the CIPHERING MODE COMMAND message.</p> <p>3 To verify that when the MS receives an ASSIGNMENT COMMAND message containing a Cipher Mode Setting IE after receipt of a CIPHERING MODE COMMAND message, the MS shall perform the assignment, use the commanded mode and/or algorithm on the new channel, and not change the ciphering key.</p> <p>4 To verify that when the MS receives a HANOVER COMMAND message containing a Cipher Mode Setting IE after receipt of a CIPHERING MODE COMMAND message, the MS shall perform the handover, use the commanded mode and/or algorithm on the new channel, and not change the ciphering key</p> <p>5 To verify that when the MS is in the "ciphered" mode and receives the CIPHERING MODE COMMAND message with Cipher Mode Setting IE set to "no ciphering", the MS loads the cipher key stored in the SIM into the ME, stops ciphering and deciphering and, responds with a CIPHERING MODE COMPLETE message.</p> <p>6 To verify that the MS responds to an AUTHENTICATION REQUEST message with an AUTHENTICATION RESPONSE message and continues to use the cipher key obtained from the previous authentication procedure.</p> <p>7 To verify that when the MS is in the "not ciphered" mode and receives the CIPHERING MODE COMMAND message with Ciphering Mode Setting information element set to "no ciphering", the does not start ciphering or deciphering, but does respond with a CIPHERING MODE COMPLETE message.</p> <p>8 To verify that when the MS receives a HANOVER COMMAND message and the handover fails, the MS sends a HANOVER FAILURE message on the old channel using the old ciphering mode and (if ciphered) the old algorithm and old key.</p> <p>9 To verify that when the MS receives an ASSIGNMENT COMMAND message and the assignment fails, the MS sends an ASSIGNMENT FAILURE message on the old channel using the old ciphering mode and (if ciphered) the old algorithm and old key.</p> |

**Default:** OtherEventsFail

| Nr | Label | Behaviour Description                                                                                                                                                                                                     | CRef                                   | V  | Comments |
|----|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----|----------|
| 1  |       | START T_guard(300)                                                                                                                                                                                                        |                                        |    |          |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                      |                                        |    |          |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                           |                                        |    |          |
| 4  |       | (TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubA, C_CellA), TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubA, C_CellA), TCV_ch1 := OC_SubchOfSdcch4(TSPX_SDCCH4SubB, C_CellA), TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef)) |                                        |    |          |
| 5  |       | +PreEnterIdleState_Comb01(C_Immass, TCV_slot, TCV_tsc, 5, 7, 0, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                             |                                        | 1. |          |
| 6  |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                            |                                        |    |          |
| 7  |       | +ltree_body                                                                                                                                                                                                               |                                        |    |          |
| 8  |       | <b>ltree_body</b><br>L!DL_UdatRqPg1Rq                                                                                                                                                                                     | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01) |    |          |
| 9  |       | L?DL_RaclnChRq ( TCV_Rr := DL_RaclnChRq.                                                                                                                                                                                  | ChReq_01                               |    |          |

|    |                                                                                                                                                                                                   |                          |  |                         |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--|-------------------------|
| 10 | msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                           |                          |  |                         |
| 11 | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                      |                          |  | To match ChReq retrans. |
| 12 | +ltree_ImmAss                                                                                                                                                                                     |                          |  |                         |
| 13 | L?DL_EstInPgRes                                                                                                                                                                                   | PgRes_01                 |  |                         |
| 14 | ACTIVATE(OtherEventsFail)                                                                                                                                                                         |                          |  | Restore Normal default  |
| 15 | +localtree1                                                                                                                                                                                       |                          |  |                         |
| 16 | +localtree2                                                                                                                                                                                       |                          |  |                         |
| 17 | +localtree3                                                                                                                                                                                       |                          |  |                         |
| 18 | [(TSPC_Feat_A51 AND(NOT<br>TSPC_Feat_A52)) OR((NOT<br>TSPC_Feat_A51) AND<br>TSPC_Feat_A52)]                                                                                                       |                          |  |                         |
| 19 | +PostMainLinkRel(TCV_ch)                                                                                                                                                                          |                          |  |                         |
| 20 | [TSPC_Feat_A51 AND<br>TSPC_Feat_A52]<br>+localtree4                                                                                                                                               |                          |  |                         |
| 21 | <b>localtree1</b><br>(TCV_Null := OM_CphMdChg(TCV_ch,<br>CphMod_04(TSPX_CphAlgA), TCV_CphKey))                                                                                                    |                          |  |                         |
| 22 | LIDL_DatRqCphmCmd<br>(DL_DatRqCphmCmd.msg.cphms.algid :=<br>TSPX_CphAlgA)                                                                                                                         | CphCmd_01(TCV_ch)        |  |                         |
| 23 | START T_dly1(500)                                                                                                                                                                                 |                          |  |                         |
| 24 | ?TIMEOUT T_dly1                                                                                                                                                                                   |                          |  | (F)                     |
| 25 | +PostMainLinkRel(TCV_ch)                                                                                                                                                                          |                          |  |                         |
| 26 | L?DL_DatInCphmCom CANCEL T_dly1                                                                                                                                                                   | CphCmp_01                |  |                         |
| 27 | LIDL_DatRqAuthRq                                                                                                                                                                                  | AuthReq_02(TCV_ch)       |  | 2.                      |
| 28 | L?DL_DatInAuthRes                                                                                                                                                                                 | AuthRes_01               |  |                         |
| 29 | +ltree_HndOv0                                                                                                                                                                                     |                          |  |                         |
| 30 | +handoverAcc(TCV_ch1)                                                                                                                                                                             |                          |  |                         |
| 31 | L?DL_EstIn                                                                                                                                                                                        | DLEstInd_01              |  |                         |
| 32 | L?DL_DatInHoCom                                                                                                                                                                                   | HndOvCmp_01(TCV_<br>ch1) |  | (P)                     |
| 33 | <b>localtree2</b><br>(TCV_ch := OC_SubchOfSdcch4(<br>TSPX_SDCCH4SubC, C_CellA), TCV_Null :=<br>OM_CphMd( TCV_ch, CphMod_04( TSPX_CphAlgB),<br>TCV_CphKey))                                        |                          |  |                         |
| 34 | +ltree_Asgn1                                                                                                                                                                                      |                          |  |                         |
| 35 | +AssCh_complete(TCV_ch1,TCV_ch,TCV_AssC<br>md)                                                                                                                                                    |                          |  | 3.                      |
| 36 | LIDL_DatRqCphmCmd START T_dly1(500)                                                                                                                                                               | CphCmd_04(TCV_ch)        |  | 4.                      |
| 37 | ?TIMEOUT T_dly1                                                                                                                                                                                   |                          |  | (F)                     |
| 38 | +PostMainLinkRel(TCV_ch)                                                                                                                                                                          |                          |  |                         |
| 39 | L?DL_DatInCphmCom CANCEL T_dly1                                                                                                                                                                   | CphCmp_01                |  |                         |
| 40 | (TCV_ch1 := OC_SubchOfSdcch4(<br>TSPX_SDCCH4SubDef, C_CellA),<br>TCV_CphKey := OC_CphKeyGen(<br>TSPX_Ki, TSPX_RANDB), TCV_Null :=<br>OM_CphMd( TCV_ch1, CphMod_04(<br>TSPX_CphAlgB), TCV_CphKey)) |                          |  |                         |
| 41 | +ltree_HndOv1                                                                                                                                                                                     |                          |  | 5.                      |
| 42 | +handoverAcc(TCV_ch1)                                                                                                                                                                             |                          |  |                         |
| 43 | L?DL_EstIn                                                                                                                                                                                        | DLEstInd_01              |  |                         |
| 44 | L?DL_DatInHoCom                                                                                                                                                                                   | HndOvCmp_01(TCV_<br>ch1) |  | (P)                     |
| 45 | (TCV_ch := OC_SubchOfSdcch4(<br>TSPX_SDCCH4SubA, C_CellA),<br>TCV_Null := OM_CphMd(<br>TCV_ch, CphMod_04(<br>TSPX_CphAlgB), TCV_CphKey))                                                          |                          |  |                         |
| 46 | +ltree_HndOv2                                                                                                                                                                                     |                          |  | 6.                      |
| 47 | +handoverAcc(TCV_ch)                                                                                                                                                                              |                          |  |                         |
| 48 | L?DL_EstIn                                                                                                                                                                                        | DLEstInd_01              |  |                         |
| 49 | L?DL_DatInHoCom                                                                                                                                                                                   | HndOvCmp_01(TCV_<br>ch)  |  |                         |

|    |                                                                                                                                            |                                                                                 |     |     |
|----|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----|-----|
| 50 | <b>localtree3</b><br>(TCV_ch1 := OC_SubchOfSdcch4(<br>TSPX_SDCCH4SubB, C_CellA), TCV_Null :=<br>OM_CphMd( TCV_ch1, CphMod_02, TCV_CphKey)) |                                                                                 |     |     |
| 51 | +ltree_Asgn2                                                                                                                               |                                                                                 |     |     |
| 52 | +AssCh_complete(TCV_ch,TCV_ch1,TCV_AssC<br>md)                                                                                             |                                                                                 |     |     |
| 53 | LIDL_DatRqCphmCmd START T_dly1(500)                                                                                                        | CphCmd_05(TCV_ch<br>1)                                                          |     |     |
| 54 | ?TIMEOUT T_dly1                                                                                                                            |                                                                                 | (F) |     |
| 55 | +PostMainLinkRel(TCV_ch1)                                                                                                                  |                                                                                 |     |     |
| 56 | L?DL_DatInCphmCom CANCEL T_dly1                                                                                                            | CphCmp_01                                                                       |     |     |
| 57 | LIDL_DatRqAuthRq                                                                                                                           | AuthReq_03(TCV_ch<br>1)                                                         |     | 8.  |
| 58 | L?DL_DatInAuthRes                                                                                                                          | AuthRes_01                                                                      |     |     |
| 59 | (TCV_ch := OC_SubchOfSdcch4(<br>TSPX_SDCCH4SubC, C_CellA),<br>TCV_Null := OM_CphMd( TCV_ch,<br>CphMod_04( TSPX_CphAlgD),<br>TCV_CphKey))   |                                                                                 |     |     |
| 60 | +ltree_HndOv3                                                                                                                              |                                                                                 |     | 9.  |
| 61 | +handoverAcc(TCV_ch)                                                                                                                       |                                                                                 |     |     |
| 62 | L?DL_EstIn                                                                                                                                 | DLEstInd_01                                                                     |     |     |
| 63 | L?DL_DatInHoCom                                                                                                                            | HndOvCmp_01(TCV_<br>ch)                                                         | (P) |     |
| 64 | (TCV_ch1 :=<br>OC_SubchOfSdcch4(<br>TSPX_SDCCH4SubB,<br>C_CellA), TCV_Null :=<br>OM_Deactivate( TCV_ch1,<br>"dummy", 0))                   |                                                                                 |     |     |
| 65 | +ltree_HndOv0                                                                                                                              |                                                                                 |     | 10. |
| 66 | L?DL_EstIn                                                                                                                                 | DLEstInd_01                                                                     |     |     |
| 67 | L?DL_DatInHofl                                                                                                                             | HndOvFI_01(TCV_ch)                                                              | (P) |     |
| 68 | +ltree_Asgn2                                                                                                                               |                                                                                 |     |     |
| 69 | +AssCh_failure(TC<br>V_ch,TCV_AssCmd<br>,TRUE)                                                                                             |                                                                                 |     |     |
|    | <b>localtree4</b>                                                                                                                          |                                                                                 |     |     |
| 70 | (TCV_Null := OM_Reactivate(TCV_ch1, "dummy"),<br>TCV_Null := OM_CphMd(TCV_ch1,<br>CphMod_04(TSPX_CphAlgE), TCV_CphKey))                    |                                                                                 |     |     |
| 71 | +ltree_Asgn3                                                                                                                               |                                                                                 |     |     |
| 72 | +AssCh_complete(TCV_ch,TCV_ch1,TCV_AssC<br>md)                                                                                             |                                                                                 |     |     |
| 73 | (TCV_ch := OC_SubchOfSdcch4(<br>TSPX_SDCCH4SubA, C_CellA), TCV_Null :=<br>OM_CphMd(TCV_ch, CphMod_04(<br>TSPX_CphAlgE), TCV_CphKey))       |                                                                                 |     |     |
| 74 | +ltree_HndOv4                                                                                                                              |                                                                                 |     |     |
| 75 | +handoverAcc(TCV_ch)                                                                                                                       |                                                                                 |     |     |
| 76 | L?DL_EstIn                                                                                                                                 | DLEstInd_01                                                                     |     |     |
| 77 | L?DL_DatInHoCom                                                                                                                            | HndOvCmp_01(TCV_<br>ch)                                                         | (P) |     |
| 78 | +PostMainLinkRel(TCV_ch)                                                                                                                   |                                                                                 |     |     |
|    | <b>handoverAcc(ch:LOGICCH)</b>                                                                                                             |                                                                                 |     |     |
| 79 | L?DL_RaInHoacc                                                                                                                             | HndOvAcc_02(ch)                                                                 |     |     |
| 80 | L?DL_RaInHoacc                                                                                                                             | HndOvAcc_02(ch)                                                                 |     |     |
| 81 | L?DL_RaInHoacc                                                                                                                             | HndOvAcc_02(ch)                                                                 |     |     |
| 82 | L?DL_RaInHoacc                                                                                                                             | HndOvAcc_02(ch)                                                                 |     |     |
|    | <b>ltree_ImmAss</b>                                                                                                                        |                                                                                 |     |     |
| 83 | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                   |                                                                                 |     |     |
| 84 | LIDL_UdatRqImmAss                                                                                                                          | ImmAss_r09(TCV_ag<br>ch, TCV_Rr,TCV_Fn,<br>TCV_slot, TCV_tsc,<br>TimingAdv_r01) |     |     |

|     |                                                                                                           |                                                                                                               |
|-----|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| 85  | [TSPC_DCS]                                                                                                |                                                                                                               |
| 86  | LIDL_UdatRqImm                                                                                            | ImmAss_r09d(TCV_a<br>gch,<br>TCV_Rr,TCV_Fn,<br>TCV_slot, TCV_tsc,<br>TimingAdv_r01)                           |
|     | <b>Itree_Asgn1</b>                                                                                        |                                                                                                               |
| 87  | [TSPC_PGSM OR TSPC_EGSM]                                                                                  |                                                                                                               |
| 88  | (TCV_AssCmd :=<br>AsgnCmd_sdcch4(TSPX_SDCCH4SubC,<br>TCV_slot, TCV_tsc,<br>CphMod_04iei(TSPX_CphAlgB)))   |                                                                                                               |
| 89  | [TSPC_DCS]                                                                                                |                                                                                                               |
| 90  | (TCV_AssCmd :=<br>AsgnCmd_dsdccch4(TSPX_SDCCH4SubC,<br>TCV_slot, TCV_tsc,<br>CphMod_04iei(TSPX_CphAlgB))) |                                                                                                               |
|     | <b>Itree_Asgn2</b>                                                                                        |                                                                                                               |
| 91  | [TSPC_PGSM OR TSPC_EGSM]                                                                                  |                                                                                                               |
| 92  | (TCV_AssCmd :=<br>AsgnCmd_sdcch4(TSPX_SDCCH4SubB,<br>TCV_slot, TCV_tsc, CphMod_02iei))                    |                                                                                                               |
| 93  | [TSPC_DCS]                                                                                                |                                                                                                               |
| 94  | (TCV_AssCmd :=<br>AsgnCmd_dsdccch4(TSPX_SDCCH4SubB,<br>TCV_slot, TCV_tsc, CphMod_02iei))                  |                                                                                                               |
|     | <b>Itree_Asgn3</b>                                                                                        |                                                                                                               |
| 95  | [TSPC_PGSM OR TSPC_EGSM]                                                                                  |                                                                                                               |
| 96  | (TCV_AssCmd :=<br>AsgnCmd_sdcch4(TSPX_SDCCH4SubB,<br>TCV_slot, TCV_tsc,<br>CphMod_04iei(TSPX_CphAlgE)))   |                                                                                                               |
| 97  | [TSPC_DCS]                                                                                                |                                                                                                               |
| 98  | (TCV_AssCmd :=<br>AsgnCmd_dsdccch4(TSPX_SDCCH4SubB,<br>TCV_slot, TCV_tsc,<br>CphMod_04iei(TSPX_CphAlgE))) |                                                                                                               |
|     | <b>Itree_HndOv0</b>                                                                                       |                                                                                                               |
| 99  | [TSPC_PGSM OR TSPC_EGSM]                                                                                  |                                                                                                               |
| 100 | LIDL_DatRqHoCmd                                                                                           | HndOv_sdcch4(TCV_<br>ch,<br>TSPX_SDCCH4SubB<br>, TCV_slot, TCV_tsc,<br>CphMod_02iei)                          |
| 101 | [TSPC_DCS]                                                                                                |                                                                                                               |
| 102 | LIDL_DatRqHoCmd                                                                                           | HndOv_dsdccch4(TCV_<br>ch,<br>TSPX_SDCCH4SubB<br>, TCV_slot, TCV_tsc,<br>CphMod_02iei)                        |
|     | <b>Itree_HndOv1</b>                                                                                       |                                                                                                               |
| 103 | [TSPC_PGSM OR TSPC_EGSM]                                                                                  |                                                                                                               |
| 104 | LIDL_DatRqHoCmd                                                                                           | HndOv_sdcch4(TCV_<br>ch,<br>TSPX_SDCCH4SubD<br>ef, TCV_slot,<br>TCV_tsc,<br>CphMod_04iei(<br>TSPX_CphAlgC))   |
| 105 | [TSPC_DCS]                                                                                                |                                                                                                               |
| 106 | LIDL_DatRqHoCmd                                                                                           | HndOv_dsdccch4(TCV_<br>ch,<br>TSPX_SDCCH4SubD<br>ef, TCV_slot,<br>TCV_tsc,<br>CphMod_04iei(<br>TSPX_CphAlgC)) |

|     |                                                                    |                                                                                         |  |
|-----|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--|
| 107 | <b>Itree_HndOv2</b><br>[TSPC_PGSM OR TSPC_EGSM]                    |                                                                                         |  |
| 108 | L!DL_DatRqHoCmd                                                    | HndOv_sdcch4(TCV_ch1, TSPX_SDCCH4SubA, TCV_slot, TCV_tsc, CphMod_04iei(TSPX_CphAlgC))   |  |
| 109 | [TSPC_DCS]                                                         |                                                                                         |  |
| 110 | L!DL_DatRqHoCmd                                                    | HndOv_dsdccch4(TCV_ch1, TSPX_SDCCH4SubA, TCV_slot, TCV_tsc, CphMod_04iei(TSPX_CphAlgC)) |  |
| 111 | <b>Itree_HndOv3</b><br>[TSPC_PGSM OR TSPC_EGSM]                    |                                                                                         |  |
| 112 | L!DL_DatRqHoCmd                                                    | HndOv_sdcch4(TCV_ch1, TSPX_SDCCH4SubC, TCV_slot, TCV_tsc, CphMod_04iei(TSPX_CphAlgD))   |  |
| 113 | [TSPC_DCS]                                                         |                                                                                         |  |
| 114 | L!DL_DatRqHoCmd                                                    | HndOv_dsdccch4(TCV_ch1, TSPX_SDCCH4SubC, TCV_slot, TCV_tsc, CphMod_04iei(TSPX_CphAlgD)) |  |
| 115 | <b>Itree_HndOv4</b><br>[TSPC_PGSM OR TSPC_EGSM]                    |                                                                                         |  |
| 116 | L!DL_DatRqHoCmd<br>(DL_DatRqHoCmd.msg.cphms.algid := TSPX_CphAlgE) | HndOv_sdcch4(TCV_ch1, TSPX_SDCCH4SubA, TCV_slot, TCV_tsc, CphMod_04iei(TSPX_CphAlgE))   |  |
| 117 | [TSPC_DCS]                                                         |                                                                                         |  |
| 118 | L!DL_DatRqHoCmd<br>(DL_DatRqHoCmd.msg.cphms.algid := TSPX_CphAlgE) | HndOv_dsdccch4(TCV_ch1, TSPX_SDCCH4SubA, TCV_slot, TCV_tsc, CphMod_04iei(TSPX_CphAlgE)) |  |

**Detailed Comments:**

1. 1 cell, default parameters.
2. New ciphering key sequence number and new ciphering key L.
3. New SDCCH4 subchannel different from the one in use, start ciphering.
4. Load new key L, no ciphering.
5. New SDCCH4 subchannel different from the one in use, start ciphering.
6. New SDCCH4 subchannel different from the one in use, start ciphering.
7. New SDCCH4 subchannel different from the one in use, no ciphering.
8. To generate new ciphering key M.
9. New SDCCH4 subchannel different from the one in use, start ciphering.
10. New SDCCH4 subchannel different from the one in use, no ciphering, new channel not activated.
11. New SDCCH4 subchannel different from the one in use, no ciphering, new channel not activated.

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                        |     |                            |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-----|----------------------------|
| <b>Test Case Name:</b>      |       | TC_26_6_8_5                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                        |     |                            |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                        |     |                            |
| <b>Purpose:</b>             |       | To verify that the MS supplies its IMEISV in the CIPHERING MODE COMPLETE message when it receives a CIPHERING MODE COMMAND message with a Cipher Response bit set to 'IMEISV shall be included'. To verify that the MS does not supply any Mobile Identity IE in the CIPHERING MODE COMPLETE message when it receives a CIPHERING MODE COMMAND message with a Cipher Response bit set to 'IMEISV shall not be included'. |                                                                        |     |                            |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                        |     |                            |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                    | CRef                                                                   | V   | Comments                   |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                        |     |                            |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                     |                                                                        |     |                            |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                          |                                                                        |     |                            |
| 4                           |       | (TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubB, C_CellA), TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubB, C_CellA))                                                                                                                                                                                                                                                                                                          |                                                                        |     |                            |
| 5                           |       | +PreEnterIdleState_Comb01(C_Immass, TCV_slot, TCV_tsc, 5, 7, 0, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                            |                                                                        |     |                            |
| 6                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                                                                                                                           |                                                                        |     |                            |
| 7                           |       | LIDL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                                                                                         | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                                 |     |                            |
| 8                           |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                                                                                                                                                                                                                                                                          | ChReq_01                                                               |     |                            |
| 9                           |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                                             |                                                                        |     | To match ChReq retrans. 2. |
| 10                          |       | +gsmOrDcs                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                        |     |                            |
| 11                          |       | L?DL_EstInPgRes                                                                                                                                                                                                                                                                                                                                                                                                          | PgRes_01                                                               |     |                            |
| 12                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                                                |                                                                        |     | Restore Normal default     |
| 13                          | body  | LIDL_DatRqCphmCmd                                                                                                                                                                                                                                                                                                                                                                                                        | CphCmd_02(TCV_ch)                                                      |     |                            |
| 14                          |       | L?DL_DatInCphmCom                                                                                                                                                                                                                                                                                                                                                                                                        | CphCmp_02                                                              | (P) |                            |
| 15                          |       | LIDL_DatRqCphmCmd                                                                                                                                                                                                                                                                                                                                                                                                        | CphCmd_03(TCV_ch)                                                      |     |                            |
| 16                          |       | L?DL_DatInCphmCom                                                                                                                                                                                                                                                                                                                                                                                                        | CphCmp_03                                                              | (P) |                            |
| 17                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                        |     |                            |
|                             |       | <b>gsmOrDcs</b>                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                        |     |                            |
| 18                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                        |     |                            |
| 19                          |       | LIDL_UdatRqImm                                                                                                                                                                                                                                                                                                                                                                                                           | ImmAss_r10(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_r01) |     |                            |
| 20                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                        |     |                            |
| 21                          |       | LIDL_UdatRqImm                                                                                                                                                                                                                                                                                                                                                                                                           | ImmAss_r16(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_r01) |     |                            |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                        |     |                            |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |     |                         |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_6_11_1                                                                                                                                                                                                                                                                                                                                                                                                                   |                                |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                            |                                |     |                         |
| <b>Purpose:</b>             |       | To verify that if the RF power capability or any other capability indicated in a Classmark IE of the MS is changed during a call, the change is communicated on the DCCH to the network. To verify that if the RF power capability or any other capability indicated in a Classmark IE of the MS is changed in idle mode, the out of date capabilities are not communicated to the network during RR connection establishment. |                                |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                |                                |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                          | CRef                           | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                             |                                |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                           |                                |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                |                                |     |                         |
| 4                           |       | (TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubC, C_CellA), TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubC, C_CellA))                                                                                                                                                                                                                                                                                                                |                                |     |                         |
| 5                           |       | +PreEnterIdleState_Comb01(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                  |                                | 1.  |                         |
| 6                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                                                                                                                                 |                                |     |                         |
| 7                           | body  | +AddPwrAmp                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |     |                         |
| 8                           |       | +AttmpCall                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |     |                         |
| 9                           |       | +BasicServiceMO(TSPX_MO_BscSvc_AnyCall, TSPX_MO_rate_AnyCall)                                                                                                                                                                                                                                                                                                                                                                  |                                |     |                         |
| 10                          |       | +subtree1                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |     |                         |
| 11                          |       | +RemvPwrAmp                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |     |                         |
| 12                          |       | +subtree2                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |     |                         |
|                             |       | <b>subtree1</b>                                                                                                                                                                                                                                                                                                                                                                                                                |                                |     |                         |
| 13                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                                                   | ChReq_04                       |     |                         |
| 14                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                                                   |                                |     | To match ChReq retrans. |
| 15                          |       | +gsmOrDcs                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |     |                         |
| 16                          |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                                                                                                | CmserReq_02                    | (P) | 2.                      |
| 17                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                                                      |                                |     | Restore Normal default  |
| 18                          |       | LIDL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                                                                                                               | CmserAcp_01(TCV_ch)            |     |                         |
| 19                          |       | +SetupRcvMo(SetupInd_01)                                                                                                                                                                                                                                                                                                                                                                                                       |                                |     |                         |
| 20                          |       | LIDL_DatRqCallProc                                                                                                                                                                                                                                                                                                                                                                                                             | CallProc(TCV_ch, TCV_CallProc) |     |                         |
| 21                          |       | LIDL_DatRqAlert                                                                                                                                                                                                                                                                                                                                                                                                                | Alert_01(TCV_TI, TCV_ch)       |     |                         |
| 22                          |       | +continue                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |     |                         |
|                             |       | <b>continue</b>                                                                                                                                                                                                                                                                                                                                                                                                                |                                |     |                         |
| 23                          |       | [TSPX_MO_rate_AnyCall = C_Full]                                                                                                                                                                                                                                                                                                                                                                                                |                                | 3.  |                         |
| 24                          |       | (TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1)                                                                                                                                                                                                                                                                                                                                                                      |                                |     |                         |
| 25                          |       | +FullRateCh_A_def(C_Ass, TSPX_TmSlTDef, TSPX_TscDef, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                    |                                |     |                         |
| 26                          |       | +localtree(C_Full)                                                                                                                                                                                                                                                                                                                                                                                                             |                                |     |                         |
| 27                          |       | [TSPX_MO_rate_AnyCall = C_Half]                                                                                                                                                                                                                                                                                                                                                                                                |                                | 4.  |                         |
| 28                          |       | (TCV_chTch := OC_SubchOfFacchh(TSPX_TCHHSubDef, C_CellA, 1), TCV_sacchTch := OC_SubchOfSacchh(TSPX_TCHHSubDef, C_CellA, 1))                                                                                                                                                                                                                                                                                                    |                                |     |                         |
| 29                          |       | +HalfRateCh_A_def(C_Ass, TSPX_TmSlTDef, TSPX_TscDef, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                    |                                |     |                         |
| 30                          |       | +localtree(C_Half)                                                                                                                                                                                                                                                                                                                                                                                                             |                                |     |                         |
|                             |       | <b>localtree(rate:IA5String)</b>                                                                                                                                                                                                                                                                                                                                                                                               |                                |     |                         |

|                           |                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |                         |
|---------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------|
| 31                        | (TCV_Null := OM_ChMdModi( TCV_chTch,<br>TCV_ChMod), TCV_Null := OM_CphMd( TCV_chTch,<br>CphMod_01, TCV_CphKey)) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |                         |
| 32                        | +AssCmdGenMO(rate)                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |                         |
| 33                        | +AssCh_complete(TCV_ch,TCV_chTch,TCV_Ass<br>Cmd)                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |                         |
| 34                        | LIDL_DatRqConn                                                                                                  | Conn_01(TCV_TI,<br>TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |                         |
| 35                        | L?DL_DatInConnAck                                                                                               | ConnAckRcv_01(TCV<br>_TI0)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |                         |
|                           | <b>subtree2</b>                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |                         |
| 36                        | L?DL_UdatInCImChn                                                                                               | ClassChg_01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (P) | 5.                      |
| 37                        | +AddPwrAmp                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |                         |
| 38                        | L?DL_UdatInCImChn                                                                                               | ClassChg_02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (P) | 6.                      |
| 39                        | +PostMainLinkRel(TCV_chTch)                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |                         |
| 40                        | +localtree3                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |                         |
|                           | <b>localtree3</b>                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |                         |
| 41                        | +RemvPwrAmp                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |                         |
| 42                        | START T_dly(12000)                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |                         |
| 43                        | ?TIMEOUT T_dly                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |                         |
| 44                        | LIDL_UdatRqPg1Rq                                                                                                | PgReq1(TCV_PgCh,<br>TCV_Pgg,<br>PgReqTp1_01)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |     |                         |
| 45                        | L?DL_RacInChRq (TCV_Rr :=<br>DL_RacInChRq.msg.ecau_rrf, TCV_Fn :=<br>DL_RacInChRq.fn)                           | ChReq_01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |                         |
| 46                        | ACTIVATE(OtherEventsFail_02)                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     | To match ChReq retrans. |
| 47                        | +gsmOrDcs                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |                         |
| 48                        | L?DL_EstInPgRes                                                                                                 | PgRes_03                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (P) | 7.                      |
| 49                        | ACTIVATE(OtherEventsFail)                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     | Restore Normal default  |
| 50                        | +PostMainLinkRel(TCV_ch)                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |                         |
|                           | <b>gsmOrDcs</b>                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |                         |
| 51                        | [TSPC_PGSM OR TSPC_EGSM]                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |                         |
| 52                        | LIDL_UdatRqImm                                                                                                  | ImmAss_r11(TCV_ag<br>ch, TCV_Rr, TCV_Fn,<br>TCV_slot, TCV_tsc,<br>TimingAdv_r01)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |                         |
| 53                        | [TSPC_DCS]                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |                         |
| 54                        | LIDL_UdatRqImm                                                                                                  | ImmAss_r11d(TCV_a<br>gch, TCV_Rr,<br>TCV_Fn, TCV_slot,<br>TCV_tsc,<br>TimingAdv_r01)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |                         |
| <b>Detailed Comments:</b> |                                                                                                                 | <ol style="list-style-type: none"> <li>1. To setup a physical channel as BCCH, CCCH and SDCCH4.</li> <li>2. The power capability is the one with RF amplification.</li> <li>3. To setup a physical channel as full rate traffic channel for full rate bearer capability.</li> <li>4. To setup a physical channel as half rate traffic channel for half rate bearer capability.</li> <li>5. The power capability is the original one without RF amplification.</li> <li>6. The power capability is the one with RF amplification.</li> <li>7. The power capability is the original one without RF amplification.</li> </ol> |     |                         |



| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                      |                                                                         |     |                         |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_6_11_2                                                                                                                                                                                                                                                         |                                                                         |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                  |                                                                         |     |                         |
| <b>Purpose:</b>             |       | To verify that if the network requests the MS to supply all its classmark information then this information is communicated on the DCCH to the network.                                                                                                              |                                                                         |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                      |                                                                         |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                | CRef                                                                    | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                   |                                                                         |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                 |                                                                         |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                      |                                                                         |     |                         |
| 4                           |       | (TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubA, C_CellA), TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubA, C_CellA))                                                                                                                                                      |                                                                         |     |                         |
| 5                           |       | +PreEnterIdleState_Comb01(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                        |                                                                         |     |                         |
| 6                           |       | +SwitchoffOrPowerdown                                                                                                                                                                                                                                                |                                                                         |     |                         |
| 7                           |       | +SysInfoSending_r1(5, 1, 1, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                           |                                                                         | 1.  |                         |
| 8                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                       |                                                                         |     |                         |
| 9                           | body  | +SwitchonOrPowerup                                                                                                                                                                                                                                                   |                                                                         |     |                         |
| 10                          |       | L?DL_RaInChRq(TCV_Rr := DL_RaInChRq, msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                         | ChReq_02                                                                |     |                         |
| 11                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                         |                                                                         |     | To match ChReq retrans. |
| 12                          |       | +gsmOrDcs                                                                                                                                                                                                                                                            |                                                                         |     |                         |
| 13                          |       | L?DL_EstInLupRq                                                                                                                                                                                                                                                      | LocUp_06                                                                |     |                         |
| 14                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                            |                                                                         |     | Restore Normal default  |
| 15                          |       | L!DL_DatRqCImEnq<br>START T_dly1(300)                                                                                                                                                                                                                                | ClassMkEnq_01(TCV_ch)                                                   |     |                         |
| 16                          |       | L?DL_DatInCImChn<br>CANCEL T_dly1                                                                                                                                                                                                                                    | ClassChg_03                                                             | (P) | 2.                      |
| 17                          |       | L!DL_DatRqLupAcp                                                                                                                                                                                                                                                     | LocAcp_02(TCV_ch)                                                       |     |                         |
| 18                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                             |                                                                         |     |                         |
| 19                          |       | ?TIMEOUT T_dly1                                                                                                                                                                                                                                                      |                                                                         | (F) | 3.                      |
| 20                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                             |                                                                         |     |                         |
| 21                          |       | <b>gsmOrDcs</b><br>[TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                          |                                                                         |     |                         |
| 22                          |       | L!DL_UdatRqImmass                                                                                                                                                                                                                                                    | ImmAss_r09(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_r01)  |     |                         |
| 23                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                           |                                                                         |     |                         |
| 24                          |       | L!DL_UdatRqImmass                                                                                                                                                                                                                                                    | ImmAss_r09d(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_r01) |     |                         |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>To change the IMSI attach/detach flag to 1.</li> <li>The expected CLASSMARK CHANGE message received before 300 ms after the CLASSMARK ENQUIRY, pass.</li> <li>The expected message not received with 300 ms, fail.</li> </ol> |                                                                         |     |                         |

| Test Case Dynamic Behaviour |       |                                                                                                                       |                                                                                  |     |                         |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_6_12_1                                                                                                          |                                                                                  |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                   |                                                                                  |     |                         |
| <b>Purpose:</b>             |       | To verify that the MS is able to correctly release an SDCCH after having received a CHANNEL RELEASE message.          |                                                                                  |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                       |                                                                                  |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                 | CRef                                                                             | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                    |                                                                                  |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                  |                                                                                  |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                       |                                                                                  |     |                         |
| 4                           |       | +PreEnterIdleState_r01( C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)           |                                                                                  |     |                         |
| 5                           |       | (TCV_ch := OC_SubchOfSdch8(TSPX_SDCCH8SubB, C_CellA, 1), TCV_sacch8 := OC_SubchOfSacch8(TSPX_SDCCH8SubB, C_CellA, 1)) |                                                                                  |     |                         |
| 6                           |       | +SDCCH8_A_def(C_Immass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_r01, '000'B, '001'B, '011'B)                           |                                                                                  |     |                         |
| 7                           |       | +CCCH_group_Paging_group(TCV_Ccd0 A, TSPX_IMSI)                                                                       |                                                                                  |     |                         |
| 8                           | body  | +subtree1                                                                                                             |                                                                                  |     |                         |
| 9                           |       | +subtree2                                                                                                             |                                                                                  |     |                         |
|                             |       | <b>subtree1</b>                                                                                                       |                                                                                  |     |                         |
| 10                          |       | L!DL_UdatRqPg1Rq                                                                                                      | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                                           |     |                         |
| 11                          |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                       | ChReq_01                                                                         |     |                         |
| 12                          |       | ACTIVATE(OtherEventsFail_02)                                                                                          |                                                                                  |     | To match ChReq retrans. |
| 13                          |       | +gsmOrDcs                                                                                                             |                                                                                  |     |                         |
| 14                          |       | L?DL_EstInPgRes                                                                                                       | PgRes_01                                                                         |     |                         |
| 15                          |       | ACTIVATE(OtherEventsFail)                                                                                             |                                                                                  |     | Restore Normal default  |
| 16                          |       | L!DL_DatRqChRel                                                                                                       | ChRel_01(TCV_ch)                                                                 |     |                         |
| 17                          |       | L?DL_RelIn                                                                                                            | DLRelInd_01                                                                      |     |                         |
| 18                          |       | START T_dly(3000)                                                                                                     |                                                                                  |     |                         |
| 19                          |       | [OM_L2FrameRcvd( TCV_ch) = TRUE]                                                                                      |                                                                                  | (F) |                         |
| 20                          |       | ?TIMEOUT T_dly                                                                                                        |                                                                                  | (P) | 1.                      |
|                             |       | <b>subtree2</b>                                                                                                       |                                                                                  |     |                         |
| 21                          |       | START T_dly(12000)                                                                                                    |                                                                                  |     |                         |
| 22                          |       | ?TIMEOUT T_dly                                                                                                        |                                                                                  |     |                         |
| 23                          |       | LIDL_UdatRqPg1Rq                                                                                                      | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                                           |     |                         |
| 24                          |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                       | ChReq_01                                                                         |     |                         |
| 25                          |       | ACTIVATE(OtherEventsFail_02)                                                                                          |                                                                                  |     | To match ChReq retrans. |
| 26                          |       | +gsmOrDcs                                                                                                             |                                                                                  |     |                         |
| 27                          |       | L?DL_EstInPgRes                                                                                                       | PgRes_01                                                                         | (P) |                         |
| 28                          |       | ACTIVATE(OtherEventsFail)                                                                                             |                                                                                  |     | Restore Normal default  |
| 29                          |       | +PostMainLinkRel(TCV_ch)                                                                                              |                                                                                  |     |                         |
|                             |       | <b>gsmOrDcs</b>                                                                                                       |                                                                                  |     |                         |
| 30                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                              |                                                                                  |     |                         |
| 31                          |       | LIDL_UdatRqImm                                                                                                        | ImmAss_r02(TCV_agch, TCV_Rr, TCV_Fn, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_r01) |     |                         |
| 32                          |       | [TSPC_DCS]                                                                                                            |                                                                                  |     |                         |
| 33                          |       | LIDL_UdatRqImm                                                                                                        | ImmAss_r02d(TCV_agch, TCV_Rr,                                                    |     |                         |

|                                                   |  |  |                                                              |  |  |
|---------------------------------------------------|--|--|--------------------------------------------------------------|--|--|
|                                                   |  |  | TCV_Fn,<br>TSPX_TmSlitDef,<br>TSPX_TscDef,<br>TimingAdv_r01) |  |  |
| <b>Detailed Comments:</b> 1. No any L 2 messages. |  |  |                                                              |  |  |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                       |                                        |     |                         |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_6_12_2                                                                                                                                                          |                                        |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                   |                                        |     |                         |
| <b>Purpose:</b>             |       | To verify that the MS is able to correctly release a SDCCH after having received a CHANNEL RELEASE message, even if the SS does not L2 acknowledge the L2 DISC frame. |                                        |     |                         |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                    |                                        |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                 | CRef                                   | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                    |                                        |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                  |                                        |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                       |                                        |     |                         |
| 4                           |       | +PreEnterIdleState_r01( C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                           |                                        |     |                         |
| 5                           |       | (TCV_ch := OC_SubchOfSdch8( TSPX_SDCCH8SubG, C_CellA, 1), TCV_sacch8 := OC_SubchOfSacch8( TSPX_SDCCH8SubG, C_CellA, 1))                                               |                                        |     | 1.                      |
| 6                           |       | +SDCCH8_A_def(C_Immass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                           |                                        |     |                         |
| 7                           |       | +CCCH_group_Paging_group(TCV_Ccd0 A, TSPX_IMSI)                                                                                                                       |                                        |     |                         |
| 8                           | body  | +subtree1                                                                                                                                                             |                                        |     |                         |
| 9                           |       | (TCV_Res := OM_ResumUAforDISC(TCV_ch))                                                                                                                                |                                        |     |                         |
| 10                          |       | +subtree2                                                                                                                                                             |                                        |     |                         |
|                             |       | <b>subtree1</b>                                                                                                                                                       |                                        |     |                         |
| 11                          |       | L!DL_UdatRqPg1Rq                                                                                                                                                      | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01) |     |                         |
| 12                          |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                       | ChReq_01                               |     |                         |
| 13                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                          |                                        |     | To match ChReq retrans. |
| 14                          |       | +gsmOrDcs                                                                                                                                                             |                                        |     |                         |
| 15                          |       | L?DL_EstInPgRes                                                                                                                                                       | PgRes_01                               |     |                         |
| 16                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                             |                                        |     | Restore Normal default  |
| 17                          |       | (TCV_Res := OM_NoUAforDISC(TCV_ch))                                                                                                                                   |                                        |     |                         |
| 18                          |       | L!DL_DatRqChRel                                                                                                                                                       | ChRel_01(TCV_ch)                       |     |                         |
| 19                          |       | L?DL_RelIn                                                                                                                                                            | DLRelInd_01                            |     |                         |
| 20                          |       | L?DL_RelIn                                                                                                                                                            | DLRelInd_01                            |     |                         |
| 21                          |       | START T_dly(2000)                                                                                                                                                     |                                        |     |                         |
| 22                          |       | ?TIMEOUT T_dly                                                                                                                                                        |                                        |     |                         |
| 23                          |       | START T_dly(3000)                                                                                                                                                     |                                        |     |                         |
| 24                          |       | [OM_L2FrameRcvd( TCV_ch) = TRUE]                                                                                                                                      |                                        | (F) |                         |
| 25                          |       | ?TIMEOUT T_dly                                                                                                                                                        |                                        | (P) |                         |
|                             |       | <b>subtree2</b>                                                                                                                                                       |                                        |     |                         |
| 26                          |       | START T_dly(12000)                                                                                                                                                    |                                        |     |                         |
| 27                          |       | ?TIMEOUT T_dly                                                                                                                                                        |                                        |     |                         |
| 28                          |       | L!DL_UdatRqPg1Rq                                                                                                                                                      | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01) |     |                         |
| 29                          |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                       | ChReq_01                               |     |                         |
| 30                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                          |                                        |     | To match ChReq retrans. |
| 31                          |       | +gsmOrDcs                                                                                                                                                             |                                        |     |                         |
| 32                          |       | L?DL_EstInPgRes                                                                                                                                                       | PgRes_01                               | (P) |                         |
| 33                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                             |                                        |     | Restore Normal default  |
| 34                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                              |                                        |     |                         |
|                             |       | <b>gsmOrDcs</b>                                                                                                                                                       |                                        |     |                         |
| 35                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                              |                                        |     |                         |

|                                                   |                |                                                                                  |
|---------------------------------------------------|----------------|----------------------------------------------------------------------------------|
| 36                                                | L!DL_UdatRqImm | ImmAss_r07(TCV_agch, TCV_Rr, TCV_Fn, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_r01)  |
| 37                                                | [TSPC_DCS]     |                                                                                  |
| 38                                                | L!DL_UdatRqImm | ImmAss_r07d(TCV_agch, TCV_Rr, TCV_Fn, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_r01) |
| <b>Detailed Comments:</b> 1. Use TSPX_SDCCH8SubG. |                |                                                                                  |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                       |                                                               |     |                         |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_6_12_3                                                                                                                                                                                                                          |                                                               |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                   |                                                               |     |                         |
| <b>Purpose:</b>             |       | To verify that the MS is able to correctly release a full-rate TCH after having received a CHANNEL RELEASE message.                                                                                                                   |                                                               |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                       |                                                               |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                 | CRef                                                          | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                    |                                                               |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                  |                                                               |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                       |                                                               |     |                         |
| 4                           |       | +gsmOrDcs                                                                                                                                                                                                                             |                                                               |     |                         |
| 5                           |       | +PreEnterIdleState_Comb04( C_Immass, TCV_slot, TCV_tsc, 5,1, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                     |                                                               |     |                         |
| 6                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                        |                                                               |     |                         |
| 7                           | body  | +subtree1                                                                                                                                                                                                                             |                                                               |     |                         |
| 8                           |       | +subtree2                                                                                                                                                                                                                             |                                                               |     |                         |
|                             |       | <b>subtree1</b>                                                                                                                                                                                                                       |                                                               |     |                         |
| 9                           |       | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                      | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                        |     |                         |
| 10                          |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                                                                                       | ChReq_01                                                      |     |                         |
| 11                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                          |                                                               |     | To match ChReq retrans. |
| 12                          |       | L!DL_UdatRqImmass                                                                                                                                                                                                                     | ImmAss_r13(TCV_agch, TCV_Rr, TCV_Fn, TCV_chd1, TimingAdv_r01) |     |                         |
| 13                          |       | L?DL_EstInPgRes                                                                                                                                                                                                                       | PgRes_01                                                      |     |                         |
| 14                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                             |                                                               |     | Restore Normal default  |
| 15                          |       | L!DL_DatRqChRel                                                                                                                                                                                                                       | ChRel_01(TCV_chTch)                                           |     |                         |
| 16                          |       | L?DL_RelIn                                                                                                                                                                                                                            | DLRelInd_01                                                   |     |                         |
| 17                          |       | START T_dly(3000)                                                                                                                                                                                                                     |                                                               |     |                         |
| 18                          |       | [OM_L2FrameRcvd( TCV_ch) = TRUE]                                                                                                                                                                                                      |                                                               | (F) |                         |
| 19                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                        |                                                               | (P) |                         |
|                             |       | <b>subtree2</b>                                                                                                                                                                                                                       |                                                               |     |                         |
| 20                          |       | START T_dly(12000)                                                                                                                                                                                                                    |                                                               |     |                         |
| 21                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                        |                                                               |     |                         |
| 22                          |       | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                      | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                        |     |                         |
| 23                          |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                                                                                       | ChReq_01                                                      |     |                         |
| 24                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                          |                                                               |     | To match ChReq retrans. |
| 25                          |       | L!DL_UdatRqImmass                                                                                                                                                                                                                     | ImmAss_r13(TCV_agch, TCV_Rr, TCV_Fn, TCV_chd1, TimingAdv_r01) |     |                         |
| 26                          |       | L?DL_EstInPgRes                                                                                                                                                                                                                       | PgRes_01                                                      | (P) |                         |
| 27                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                             |                                                               |     | Restore Normal default  |
| 28                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                           |                                                               |     |                         |
|                             |       | <b>gsmOrDcs</b>                                                                                                                                                                                                                       |                                                               |     |                         |
| 29                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                              |                                                               |     |                         |
| 30                          |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4( TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_chd1 := ChDescrp_r02( TSPX_TmSlitDef, TSPX_TscDef)) |                                                               |     |                         |

|                           |                                                                                                                                                                                                                                                        |  |  |  |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| 31                        | [TSPC_DCS]                                                                                                                                                                                                                                             |  |  |  |
| 32                        | (TCV_ch := OC_SubchOfSdcch4(<br>TSPX_SDCCH4SubDef, C_CellA), TCV_sacch :=<br>OC_SubchOfSacch4( TSPX_SDCCH4SubDef,<br>C_CellA), TCV_chTch := C_FACCHF_A_1,<br>TCV_sacchTch := C_SACCHF_A_1, TCV_chd1 :=<br>ChDescrp_r02d( TSPX_TmSlitDef, TSPX_TscDef)) |  |  |  |
| <b>Detailed Comments:</b> |                                                                                                                                                                                                                                                        |  |  |  |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                       |                                                               |     |                         |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_6_12_4                                                                                                                                                          |                                                               |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                   |                                                               |     |                         |
| <b>Purpose:</b>             |       | To verify that the MS is able to correctly release a TCH/F after having received a CHANNEL RELEASE message, even if the SS does not L2 acknowledge the L2 DISC frame. |                                                               |     |                         |
| <b>Default:</b>             |       | OtherEventsFail_01                                                                                                                                                    |                                                               |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                 | CRef                                                          | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                    |                                                               |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                  |                                                               |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                       |                                                               |     |                         |
| 4                           |       | +gsmOrDcs                                                                                                                                                             |                                                               |     |                         |
| 5                           |       | +PreEnterIdleState_Comb04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlc, TSPX_Tsc, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                            |                                                               |     |                         |
| 6                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                        |                                                               |     |                         |
| 7                           | body  | +subtree1                                                                                                                                                             |                                                               |     |                         |
| 8                           |       | (TCV_Res := OM_ResumUAforDISC(TCV_chTch))                                                                                                                             |                                                               |     |                         |
| 9                           |       | (TCV_ch := OC_SubchOfSdcch8(TSPX_SDCCH8 SubDef, C_CellA, 1), TCV_sacch8 := OC_SubchOfSacch8(TSPX_SDCCH8 SubDef, C_CellA, 1))                                          |                                                               |     |                         |
| 10                          |       | +SDCCH8_A_def(C_Immass, TSPX_TmSlcDef, TSPX_TscDef, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                            |                                                               |     |                         |
| 11                          |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                        |                                                               |     |                         |
| 12                          |       | +subtree2                                                                                                                                                             |                                                               |     |                         |
|                             |       | <b>subtree1</b>                                                                                                                                                       |                                                               |     |                         |
| 13                          |       | L!DL_UdatRqPg1Rq                                                                                                                                                      | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                        |     |                         |
| 14                          |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                       | ChReq_01                                                      |     |                         |
| 15                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                          |                                                               |     | To match ChReq retrans. |
| 16                          |       | L!DL_UdatRqImm                                                                                                                                                        | ImmAss_r13(TCV_agch, TCV_Rr, TCV_Fn, TCV_chd1, TimingAdv_r01) |     |                         |
| 17                          |       | L?DL_EstInPgRes                                                                                                                                                       | PgRes_01                                                      |     |                         |
| 18                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                             |                                                               |     | Restore Normal default  |
| 19                          |       | (TCV_Res := OM_NoUAforDISC(TCV_chTch))                                                                                                                                |                                                               |     |                         |
| 20                          |       | L!DL_DatRqChRel                                                                                                                                                       | ChRel_01(TCV_chTch)                                           |     |                         |
| 21                          |       | L?DL_RelIn                                                                                                                                                            | DLRelInd_01                                                   |     |                         |
| 22                          |       | L?DL_RelIn                                                                                                                                                            | DLRelInd_01                                                   |     |                         |
| 23                          |       | START T_dly(2000)                                                                                                                                                     |                                                               |     |                         |
| 24                          |       | ?TIMEOUT T_dly                                                                                                                                                        |                                                               |     |                         |
| 25                          |       | START T_dly(3000)                                                                                                                                                     |                                                               |     |                         |
| 26                          |       | [OM_L2FrameRcvd(TCV_ch) = TRUE]                                                                                                                                       |                                                               | (F) |                         |
| 27                          |       | ?TIMEOUT T_dly                                                                                                                                                        |                                                               | (P) |                         |
|                             |       | <b>subtree2</b>                                                                                                                                                       |                                                               |     |                         |
| 28                          |       | START T_dly(12000)                                                                                                                                                    |                                                               |     |                         |
| 29                          |       | ?TIMEOUT T_dly                                                                                                                                                        |                                                               |     |                         |
| 30                          |       | L!DL_UdatRqPg1Rq                                                                                                                                                      | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                        |     |                         |
| 31                          |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                       | ChReq_01                                                      |     |                         |



|                           |                                                                                                                                                                                                                                                   |                                                                                                  |     |                         |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----|-------------------------|
| 32                        | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                      |                                                                                                  |     | To match ChReq retrans. |
| 33                        | +gsmOrDcs1                                                                                                                                                                                                                                        |                                                                                                  |     |                         |
| 34                        | L?DL_EstInPgRes                                                                                                                                                                                                                                   | PgRes_01                                                                                         | (P) |                         |
| 35                        | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                         |                                                                                                  |     | Restore Normal default  |
| 36                        | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                          |                                                                                                  |     |                         |
|                           | <b>gsmOrDcs</b>                                                                                                                                                                                                                                   |                                                                                                  |     |                         |
| 37                        | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                          |                                                                                                  |     |                         |
| 38                        | (TCV_ch := OC_SubchOfSdcch4(<br>TSPX_SDCCH4SubDef, C_CellA), TCV_sacch :=<br>OC_SubchOfSacch4( TSPX_SDCCH4SubDef,<br>C_CellA), TCV_chTch := C_FACCHF_A_1,<br>TCV_sacchTch := C_SACCHF_A_1, TCV_chd1 :=<br>ChDescrp_r02( TSPX_TmSltC, TSPX_TscC))  |                                                                                                  |     |                         |
| 39                        | [TSPC_DCS]                                                                                                                                                                                                                                        |                                                                                                  |     |                         |
| 40                        | (TCV_ch := OC_SubchOfSdcch4(<br>TSPX_SDCCH4SubDef, C_CellA), TCV_sacch :=<br>OC_SubchOfSacch4( TSPX_SDCCH4SubDef,<br>C_CellA), TCV_chTch := C_FACCHF_A_1,<br>TCV_sacchTch := C_SACCHF_A_1, TCV_chd1 :=<br>ChDescrp_r02d( TSPX_TmSltC, TSPX_TscC)) |                                                                                                  |     |                         |
|                           | <b>gsmOrDcs1</b>                                                                                                                                                                                                                                  |                                                                                                  |     |                         |
| 41                        | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                          |                                                                                                  |     |                         |
| 42                        | L!DL_UdatRqImm                                                                                                                                                                                                                                    | ImmAss_r08(TCV_ag<br>ch, TCV_Rr, TCV_Fn,<br>TSPX_TmSltDef,<br>TSPX_TscDef,<br>TimingAdv_r01)     |     |                         |
| 43                        | [TSPC_DCS]                                                                                                                                                                                                                                        |                                                                                                  |     |                         |
| 44                        | L!DL_UdatRqImm                                                                                                                                                                                                                                    | ImmAss_r08d(TCV_a<br>gch, TCV_Rr,<br>TCV_Fn,<br>TSPX_TmSltDef,<br>TSPX_TscDef,<br>TimingAdv_r01) |     |                         |
| <b>Detailed Comments:</b> |                                                                                                                                                                                                                                                   |                                                                                                  |     |                         |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                              |     |                         |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_6_13_1                                                                                                                                                                                                                                                                                                                                                                                              |                                                                              |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                       |                                                                              |     |                         |
| <b>Purpose:</b>             |       | To verify that the MS, after receiving an ASSIGNMENT COMMAND message with a starting time and channel descriptions both for before and after the starting time, and ready to access before the indicated time, performs correctly the assignment using the description for before the time, and eventually starts using the frequency parameters for after the time at the time indicated in the message. |                                                                              |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                           |                                                                              |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                     | CRef                                                                         | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                        |                                                                              |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                      |                                                                              |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                           |                                                                              |     |                         |
| 4                           |       | +PreEnterIdleState_r01(C_Immass, TCV_slot, TCV_tsc, 5,1, 0, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                 |                                                                              |     | 1.                      |
| 5                           |       | (TCV_ch := OC_SubchOfSdcch8(TSPX_SDCCH8SubA, C_CellA, 1), TCV_sacch8 := OC_SubchOfSacch8(TSPX_SDCCH8SubA, C_CellA, 1))                                                                                                                                                                                                                                                                                    |                                                                              |     |                         |
| 6                           |       | +SDCCH8_A_1_2(C_Immass, TSPX_TmSltA, TSPX_TscA, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                    |                                                                              |     | 2.                      |
| 7                           |       | +CCCH_group_Paging_group(TCV_Ccd0 A, TSPX_IMSI)                                                                                                                                                                                                                                                                                                                                                           |                                                                              |     |                         |
| 8                           |       | +channelForAss                                                                                                                                                                                                                                                                                                                                                                                            |                                                                              |     | 3.                      |
| 9                           | body  | +ltree_body                                                                                                                                                                                                                                                                                                                                                                                               |                                                                              |     |                         |
| 10                          |       | <b>ltree_body</b><br>L?DL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                                                     | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                                       |     |                         |
| 11                          |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                                                                                                                                                                                                                                                           | ChReq_01                                                                     |     |                         |
| 12                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                              |                                                                              |     | To match ChReq retrans. |
| 13                          |       | L?DL_UdatRqImm                                                                                                                                                                                                                                                                                                                                                                                            | ImmAss_r27(TCV_ag ch, TCV_Rr, TCV_Fn, TSPX_TmSltA, TSPX_TscA, TimingAdv_r01) |     | 4.                      |
| 14                          |       | L?DL_EstInPgRes                                                                                                                                                                                                                                                                                                                                                                                           | PgRes_01                                                                     |     |                         |
| 15                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                                 |                                                                              |     | Restore Normal default  |
| 16                          |       | (TCV_Fn := OM_ComingFn(TCV_ch), TCV_Null := OM_SendNextOn(TCV_ch, TCV_Fn))                                                                                                                                                                                                                                                                                                                                |                                                                              |     | 5.                      |
| 17                          |       | (TCV_AssCmd := AsgnCmd_r14(TSPX_TmSltB, TSPX_TscB, OC_StartTime(TCV_Fn, TSPX_Tm1, 1)))                                                                                                                                                                                                                                                                                                                    |                                                                              |     |                         |
| 18                          |       | +AssCh_complete(TCV_ch, TCV_chTch, TCV_AssCmd)                                                                                                                                                                                                                                                                                                                                                            |                                                                              |     |                         |
| 19                          |       | +gsmOrDcs                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                              |     | 6.                      |
| 20                          |       | <b>gsmOrDcs</b><br>[TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                                               |                                                                              |     |                         |
| 21                          |       | (TCV_Res := OM_FHCHK(TCV_sacchTch1))                                                                                                                                                                                                                                                                                                                                                                      |                                                                              |     |                         |
| 22                          |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                                                          |                                                                              | (P) |                         |
| 23                          |       | +PostMainLinkRel(TCV_chTch1)                                                                                                                                                                                                                                                                                                                                                                              |                                                                              |     |                         |
| 24                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                                                                         |                                                                              | (F) |                         |
| 25                          |       | +PostMainLinkRel(TCV_chTch1)                                                                                                                                                                                                                                                                                                                                                                              |                                                                              |     |                         |
| 26                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                                |                                                                              |     |                         |
| 27                          |       | (TCV_Res := OM_FHCHK(TCV_sacchTch1))                                                                                                                                                                                                                                                                                                                                                                      |                                                                              |     |                         |
| 28                          |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                                                          |                                                                              | (P) |                         |
| 29                          |       | +PostMainLinkRel(TCV_chTch1)                                                                                                                                                                                                                                                                                                                                                                              |                                                                              |     |                         |
| 30                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                                                                         |                                                                              | (F) |                         |
| 31                          |       | +PostMainLinkRel(TCV_chTch1)                                                                                                                                                                                                                                                                                                                                                                              |                                                                              |     |                         |

|    |                                                                                                                                                                                                                                                                                                          |  |     |
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|    | <b>channelForAss</b>                                                                                                                                                                                                                                                                                     |  |     |
| 32 | (TCV_n := BIT_TO_INT(TSPX_Chtp1))                                                                                                                                                                                                                                                                        |  |     |
| 33 | [TCV_n = 1]                                                                                                                                                                                                                                                                                              |  |     |
| 34 | (TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_chTch1 := C_FACCHF_A_2, TCV_sacchTch1 := C_SACCHF_A_2)                                                                                                                                                                                     |  |     |
| 35 | +FullRateCh_A_1_9(C_Ass, TSPX_TmSlitB, TSPX_TscB, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                 |  | 7.  |
| 36 | +FullRateCh_A_2_6(C_Ass, TSPX_TmSlitB, TSPX_TscB, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                 |  | 8.  |
| 37 | [(TCV_n = 2) OR (TCV_n = 3)]                                                                                                                                                                                                                                                                             |  |     |
| 38 | (TCV_chTch := OC_SubchOfFacchh(OC_LeastBits(TSPX_Chtp1, 1), C_CellA, 1), TCV_sacchTch := OC_SubchOfSacchh(OC_LeastBits(TSPX_Chtp1, 1), C_CellA, 1), TCV_chTch1 := OC_SubchOfFacchh(OC_LeastBits(TSPX_Chtp1, 1), C_CellA, 2), TCV_sacchTch1 := OC_SubchOfSacchh(OC_LeastBits(TSPX_Chtp1, 1), C_CellA, 2)) |  |     |
| 39 | +HalfRateCh_A_1_4(C_Ass, TSPX_TmSlitB, TSPX_TscB, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                 |  | 9.  |
| 40 | +HalfRateCh_A_2_3(C_Ass, TSPX_TmSlitB, TSPX_TscB, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                 |  | 10. |
| 41 | [(TCV_n >= 8) AND (TCV_n <= 15)]                                                                                                                                                                                                                                                                         |  |     |
| 42 | (TCV_chTch := OC_SubchOfSdcch8(OC_LeastBits(TSPX_Chtp1, 3), C_CellA, 2), TCV_sacchTch := OC_SubchOfSacch8(OC_LeastBits(TSPX_Chtp1, 3), C_CellA, 2), TCV_chTch1 := OC_SubchOfSdcch8(OC_LeastBits(TSPX_Chtp1, 3), C_CellA, 3), TCV_sacchTch1 := OC_SubchOfSacch8(OC_LeastBits(TSPX_Chtp1, 3), C_CellA, 3)) |  |     |
| 43 | +SDCCH8_A_2_1(C_Ass, TSPX_TmSlitB, TSPX_TscB, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                     |  | 11. |
| 44 | +SDCCH8_A_3_1(C_Ass, TSPX_TmSlitB, TSPX_TscB, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                     |  | 12. |

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Detailed Comments:</b> | <ol style="list-style-type: none"> <li>1. To setup a physical channel as BCCH, CCCH.</li> <li>2. To set a physical channel as hopping SDCCH8 channel, hopping parameters defined by PIXIT.</li> <li>3. To setup the before time and after time channels for ASSIGNMENT COMMAND.</li> <li>4. To assign the hopping SDCCH8 channel.</li> <li>5. To calculate the STARTING TIME.</li> <li>6. To check whether the after time frequency hopping is correct at the RF burst level.</li> <li>7. If the selected channel type is TCH/F, setup a physical channel as full rate channel for before time.</li> <li>8. If the selected channel type is TCH/F, setup a physical channel as full rate channel for after time.</li> <li>9. If the selected channel type is TCH/H, setup a physical channel as half rate channel for before time.</li> <li>10. If the selected channel type is TCH/H, setup a physical channel as half rate channel for after time.</li> <li>11. If the selected channel type is SDCCH8, setup a physical channel as SDCCH8 channel for before time.</li> <li>12. If the selected channel type is SDCCH8, setup a physical channel as SDCCH8 channel for after time.</li> </ol> |
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| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                    |                                                                             |     |                         |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_6_13_2                                                                                                                                                                                                                                                                                                                       |                                                                             |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                |                                                                             |     |                         |
| <b>Purpose:</b>             |       | To verify that the MS, after receiving an ASSIGNMENT COMMAND message with a starting time and channel descriptions both for before and after the starting time, performs correctly the assignment using the description for after the time if the indicated time has already elapsed when the Mobile Station is ready to transmit. |                                                                             |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                    |                                                                             |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                              | CRef                                                                        | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                 |                                                                             |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                               |                                                                             |     |                         |
| 3                           |       | +IdleUpdated(C_Cella, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                    |                                                                             |     |                         |
| 4                           |       | +PreEnterIdleState_r01(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                         |                                                                             |     | 1.                      |
| 5                           |       | (TCV_ch := OC_SubchOfSdcch8(TSPX_SDCCH8SubC, C_Cella, 1), TCV_sacch8 := OC_SubchOfSacch8(TSPX_SDCCH8SubC, C_Cella, 1))                                                                                                                                                                                                             |                                                                             |     |                         |
| 6                           |       | +SDCCH8_A_1_3(C_Immass, TSPX_TmSltB, TSPX_TscB, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                             |                                                                             |     | 2.                      |
| 7                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                                     |                                                                             |     |                         |
| 8                           |       | +channelForAss                                                                                                                                                                                                                                                                                                                     |                                                                             |     | 3.                      |
| 9                           | body  | LIDL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                   | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                                      |     |                         |
| 10                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq_msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                       | ChReq_01                                                                    |     |                         |
| 11                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                       |                                                                             |     | To match ChReq retrans. |
| 12                          |       | LIDL_UdatRqImm                                                                                                                                                                                                                                                                                                                     | ImmAss_r28(TCV_Rr, TCV_Fn, TCV_agch, TSPX_TmSltB, TSPX_TscB, TimingAdv_r01) |     | 4.                      |
| 13                          |       | L?DL_EstInPgRes                                                                                                                                                                                                                                                                                                                    | PgRes_01                                                                    |     |                         |
| 14                          |       | ACTIVATE(OtherEventsFail )                                                                                                                                                                                                                                                                                                         |                                                                             |     | Restore Normal default  |
| 15                          |       | (TCV_Fn := OM_ComingFn(TCV_ch), TCV_Null := OM_SendNextOn(TCV_ch, TCV_Fn))                                                                                                                                                                                                                                                         |                                                                             |     | 5.                      |
| 16                          |       | (TCV_AssCmd := AsgnCmd_r15(TSPX_TmSltC, TSPX_TscC, TSPX_TmSltB, TSPX_TscB, OC_StartTime(TCV_Fn, 5, 1)))                                                                                                                                                                                                                            |                                                                             |     |                         |
| 17                          |       | +AssCh_complete(TCV_ch, TCV_chTch, TCV_AssCmd)                                                                                                                                                                                                                                                                                     |                                                                             |     |                         |
| 18                          |       | +gsmOrDcs                                                                                                                                                                                                                                                                                                                          |                                                                             |     | 6.                      |
| 19                          |       | <b>gsmOrDcs</b><br>[TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                        |                                                                             |     |                         |
| 20                          |       | (TCV_Res := OM_FHCHK(TCV_sacchTch))                                                                                                                                                                                                                                                                                                |                                                                             |     |                         |
| 21                          |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                   |                                                                             | (P) |                         |
| 22                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                        |                                                                             |     |                         |
| 23                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                  |                                                                             | (F) |                         |
| 24                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                        |                                                                             |     |                         |
| 25                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                         |                                                                             |     |                         |
| 26                          |       | (TCV_Res := OM_FHCHK(TCV_sacchTch))                                                                                                                                                                                                                                                                                                |                                                                             |     |                         |
| 27                          |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                   |                                                                             | (P) |                         |

|    |                                                                                                                                                     |  |     |
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| 28 | +PostMainLinkRel(TCV_chTch)                                                                                                                         |  |     |
| 29 | [TCV_Res = FALSE]                                                                                                                                   |  | (F) |
| 30 | +PostMainLinkRel(TCV_chTch)                                                                                                                         |  |     |
|    | <b>channelForAss</b>                                                                                                                                |  |     |
| 31 | (TCV_n := BIT_TO_INT(TSPX_Chtp2))                                                                                                                   |  |     |
| 32 | [TCV_n = 1]                                                                                                                                         |  |     |
| 33 | (TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1)                                                                                           |  |     |
| 34 | +FullRateCh_A_1_10(C_Ass, TSPX_TmSltC, TSPX_TscC, TimingAdv_r01, '000'B, '001'B, '011'B)                                                            |  | 7.  |
| 35 | [(TCV_n = 2) OR (TCV_n = 3)]                                                                                                                        |  |     |
| 36 | (TCV_chTch := OC_SubchOfFacch(OC_LeastBits(TSPX_Chtp2, 1), C_CellA, 1), TCV_sacchTch := OC_SubchOfSacch(OC_LeastBits(TSPX_Chtp2, 1), C_CellA, 1))   |  |     |
| 37 | +HalfRateCh_A_1_5(C_Ass, TSPX_TmSltC, TSPX_TscC, TimingAdv_r01, '000'B, '001'B, '011'B)                                                             |  | 8.  |
| 38 | [(TCV_n >= 8) AND (TCV_n <= 15)]                                                                                                                    |  |     |
| 39 | (TCV_chTch := OC_SubchOfSdcch8(OC_LeastBits(TSPX_Chtp2, 3), C_CellA, 2), TCV_sacchTch := OC_SubchOfSacch8(OC_LeastBits(TSPX_Chtp2, 3), C_CellA, 2)) |  |     |
| 40 | +SDCCH8_A_2_2(C_Ass, TSPX_TmSltC, TSPX_TscC, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                 |  | 9.  |

**Detailed Comments:**

1. To setup a physical channel as BCCH, CCCH.
2. To set a physical channel as hopping SDCCH8 channel, hopping parameters defined by PIXIT.
3. To setup the after time channels for ASSIGNMENT COMMAND.
4. To assign the hopping SDCCH8 channel.
5. To calculate the STARTING TIME.
6. To check whether the after time frequency hopping is correct at the RF burst level.
7. If the selected channel type is TCH/F, setup a physical channel as full rate channel for after time.
8. If the selected channel type is TCH/H, setup a physical channel as half rate channel for after time.
9. If the selected channel type is SDCCH8, setup a physical channel as SDCCH8 channel for after time.

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                             |     |                         |
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| <b>Test Case Name:</b>      |       | TC_26_6_13_3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                             |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                             |     |                         |
| <b>Purpose:</b>             |       | To verify that the MS, after receiving a FREQUENCY REDEFINITION message and then an ASSIGNMENT COMMAND message with a starting time and channel descriptions both for before and after the starting time, failing the assignment and returning on the old channel, and ready to access before the time indicated in the FREQUENCY REDEFINITION, resumes transmission on the channels used at the time of the reception of the FREQUENCY REDEFINITION message and eventually starts using the frequency parameters at the time indicated in the FREQUENCY REDEFINITION message. |                                                                             |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                             |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Cref                                                                        | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                             |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                             |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                             |     |                         |
| 4                           |       | +PreEnterIdleState_r01(C_Immass, TCV_slot, TCV_tsc, 5,1, 0, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                             |     | 1.                      |
| 5                           |       | +channelsetup                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                             |     | 2.                      |
| 6                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                             |     |                         |
| 7                           | body  | LIDL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                                      |     |                         |
| 8                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ChReq_01                                                                    |     |                         |
| 9                           |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                             |     | To match ChReq retrans. |
| 10                          |       | LIDL_UdatRqImm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ImmAss_r29(TCV_Rr, TCV_Fn, TCV_agch, TSPX_TmSltd, TSPX_TscD, TimingAdv_r01) |     |                         |
| 11                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                             |     |                         |
|                             |       | <b>localtree</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                             |     |                         |
| 12                          |       | L?DL_EstInPgRes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PgRes_01                                                                    |     |                         |
| 13                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                             |     | Restore Normal default  |
| 14                          |       | (TCV_Fn := OM_ComingFn(TCV_ch), TCV_Strt := OC_StartTime(TCV_Fn, 5000, 0))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                             |     | 3.                      |
| 15                          |       | +gsmOrDcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                             |     |                         |
| 16                          |       | LIDL_DatRqFrqre (DL_DatRqFrqre.msg.strt := TCV_Strt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FrqRedf_02(TCV_ch, TSPX_TmSltd, TSPX_TscD)                                  |     | 4.                      |
| 17                          |       | (TCV_Null := OM_SendNextOn(TCV_ch, TCV_Fn))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                             |     |                         |
| 18                          |       | (TCV_AssCmd := AsgnCmd_r16(TSPX_TmSltd, TSPX_TscE, OC_StartTime(TCV_Fn, 4000, 1)))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                             |     |                         |
| 19                          |       | +AssCh_failure(TCV_ch, TCV_AssCmd, TRUE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                             |     |                         |
| 20                          |       | +gsmOrDcs1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                             |     | 6.                      |
|                             |       | <b>gsmOrDcs</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                             |     |                         |
| 21                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                             |     |                         |
| 22                          |       | (TCV_Null := OM_FreqDef(TCV_Strt, MobilAllc_r11, TCV_ch, ChDescrp_r34(TSPX_TmSltd, TSPX_TscD), CellChDes_02))                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                             |     |                         |
| 23                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                             |     |                         |
| 24                          |       | (TCV_Null := OM_FreqDef(TCV_Strt, MobilAllc_r11, TCV_ch, ChDescrp_r34(TSPX_TmSltd, TSPX_TscD), CellChDes_03))                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                             |     |                         |
|                             |       | <b>gsmOrDcs1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                             |     |                         |
| 25                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                             |     |                         |
| 26                          |       | (TCV_Res := OM_FHCHK(TCV_sacchTch))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                             |     |                         |
| 27                          |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                             | (P) |                         |

|    |                                                                                                                                                              |  |     |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|
| 28 | +PostMainLinkRel(TCV_ch)                                                                                                                                     |  |     |
| 29 | [TCV_Res = FALSE]                                                                                                                                            |  | (F) |
| 30 | +PostMainLinkRel(TCV_ch)                                                                                                                                     |  |     |
| 31 | [TSPC_DCS]                                                                                                                                                   |  |     |
| 32 | (TCV_Res := OM_FHCHK(TCV_sacchTch))                                                                                                                          |  |     |
| 33 | [TCV_Res = TRUE]                                                                                                                                             |  | (P) |
| 34 | +PostMainLinkRel(TCV_ch)                                                                                                                                     |  |     |
| 35 | [TCV_Res = FALSE]                                                                                                                                            |  | (F) |
| 36 | +PostMainLinkRel(TCV_ch)                                                                                                                                     |  |     |
|    | <b>channelsetup</b>                                                                                                                                          |  |     |
| 37 | (TCV_n := BIT_TO_INT(TSPX_Chtp3))                                                                                                                            |  |     |
| 38 | [TCV_n = 1]                                                                                                                                                  |  |     |
| 39 | (TCV_ch := C_FACCHF_A_1, TCV_sacchTch :=<br>C_SACCHF_A_1)                                                                                                    |  |     |
| 40 | +FullRateCh_A_1_11(C_Immass,<br>TSPX_TmSlitD, TSPX_TscD, TimingAdv_r01,<br>'000'B, '001'B, '011'B)                                                           |  | 7.  |
| 41 | [(TCV_n = 2) OR (TCV_n = 3)]                                                                                                                                 |  |     |
| 42 | (TCV_ch :=<br>OC_SubchOfFacchh(OC_LeastBits(TSPX_Chtp3,<br>1), C_CellA, 1), TCV_sacchTch :=<br>OC_SubchOfSacchh(OC_LeastBits(TSPX_Chtp3,<br>1), C_CellA, 1)) |  |     |
| 43 | +HalfRateCh_A_1_6(C_Immass,<br>TSPX_TmSlitD, TSPX_TscD, TimingAdv_r01,<br>'000'B, '001'B, '011'B)                                                            |  | 8.  |
| 44 | [(TCV_n >= 8) AND (TCV_n <= 15)]                                                                                                                             |  |     |
| 45 | (TCV_ch :=<br>OC_SubchOfSdcch8(OC_LeastBits(TSPX_Chtp3,<br>3), C_CellA, 1), TCV_sacchTch :=<br>OC_SubchOfSacch8(OC_LeastBits(TSPX_Chtp3,<br>3), C_CellA, 1)) |  |     |
| 46 | +SDCCH8_A_1_4(C_Immass, TSPX_TmSlitD,<br>TSPX_TscD, TimingAdv_r01, '000'B, '001'B,<br>'011'B)                                                                |  | 9.  |

**Detailed Comments:**

1. To setup a physical channel as BCCH, CCCH.
2. To set two physical channels, one as hopping channel for immediate assignment another one as hopping channel for after time channel, parameters defined by PIXIT.
3. To calculate the starting time for frequency redefinition.
4. To send FREQUENCY REDIFINITION message.
5. To calculate the starting time and send the ASSIGNMENT COMMAND on special frame TCV\_Fn. The assigned channel not activated in the tester.
6. To check whether the after time frequency hopping is correct at the RF burst level.
7. If the selected channel type is TCH/F, setup a physical channel as full rate channel for immediate assignment.
8. If the selected channel type is TCH/H, setup a physical channel as half rate channel for immediate assignment.
9. If the selected channel type is SDCCH8, setup a physical channel as SDCCH8 channel for immediate assignment.

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                             |   |                         |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_6_13_4                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                             |   |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                             |   |                         |
| <b>Purpose:</b>             |       | To verify that the MS, after receiving a FREQUENCY REDEFINITION message and then an ASSIGNMENT COMMAND message with a starting time and channel descriptions both for before and after the starting time, failing the assignment and returning on the old channel, and ready to access after the time indicated in the FREQUENCY REDEFINITION, resumes transmission using the frequency parameters indicated in the FREQUENCY REDEFINITION message. |                                                                             |   |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                             |   |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                               | CRef                                                                        | V | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                             |   |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                             |   |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                     |                                                                             |   |                         |
| 4                           |       | +PreEnterIdleState_r01(C_Immass, TCV_slot, TCV_tsc, 5,1, 0, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                           |                                                                             |   | 1.                      |
| 5                           |       | +channelsetup                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                             |   | 2.                      |
| 6                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                             |   |                         |
| 7                           | body  | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                                                                                                                    | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                                      |   |                         |
| 8                           |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                     | ChReq_01                                                                    |   |                         |
| 9                           |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                             |   | To match ChReq retrans. |
| 10                          |       | L!DL_UdatRqImmass                                                                                                                                                                                                                                                                                                                                                                                                                                   | ImmAss_r30(TCV_Rr, TCV_Fn, TCV_agch, TSPX_TmSlTF, TSPX_TscF, TimingAdv_r01) |   |                         |
| 11                          |       | L?DL_EstInPgRes                                                                                                                                                                                                                                                                                                                                                                                                                                     | PgRes_01                                                                    |   |                         |
| 12                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                             |   | Restore Normal default  |
| 13                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                             |   |                         |
|                             |       | <b>localtree</b>                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                             |   |                         |
| 14                          |       | (TCV_Fn := OM_ComingFn(TCV_ch), TCV_Strt := OC_StartTime(TCV_Fn, 10, 0))                                                                                                                                                                                                                                                                                                                                                                            |                                                                             |   |                         |
| 15                          |       | +gsmOrDcs                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                             |   | 3.                      |
| 16                          |       | L!DL_DatRqFrqre (DL_DatRqFrqre.msg.strt := TCV_Strt)                                                                                                                                                                                                                                                                                                                                                                                                | FrqRedf_03(TCV_ch, TSPX_TmSlTF, TSPX_TscF)                                  |   | 4.                      |
| 17                          |       | (TCV_Null := OM_SendNextOn(TCV_ch, TCV_Fn))                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                             |   |                         |
| 18                          |       | (TCV_AssCmd := AsgnCmd_r17(TSPX_TmSlTF, TSPX_TscF, OC_StartTime(TCV_Fn, 5000, 1)))                                                                                                                                                                                                                                                                                                                                                                  |                                                                             |   |                         |
| 19                          |       | +AssCh_failure(TCV_ch, TCV_AssCmd, TRUE)                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                             |   | 5.                      |
| 20                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                             |   |                         |
|                             |       | <b>gsmOrDcs</b>                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                             |   |                         |
| 21                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                             |   |                         |
| 22                          |       | (TCV_Null := OM_FreqDef(TCV_Strt, MobilAlc_r15, TCV_ch, ChDescrp_r38( TSPX_TmSlTF, TSPX_TscF), CellChDes_02))                                                                                                                                                                                                                                                                                                                                       |                                                                             |   |                         |
| 23                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                             |   |                         |
| 24                          |       | (TCV_Null := OM_FreqDef(TCV_Strt, MobilAlc_r15, TCV_ch, ChDescrp_r38( TSPX_TmSlTF, TSPX_TscF), CellChDes_03))                                                                                                                                                                                                                                                                                                                                       |                                                                             |   |                         |
|                             |       | <b>channelsetup</b>                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                             |   |                         |
| 25                          |       | (TCV_n := BIT_TO_INT(TSPX_Chtp5))                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                             |   |                         |
| 26                          |       | [TCV_n = 1]                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                             |   |                         |
| 27                          |       | (TCV_ch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1)                                                                                                                                                                                                                                                                                                                                                                                              |                                                                             |   |                         |
| 28                          |       | +FullRateCh_A_1_11(C_Immass,                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                             |   | 7.                      |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                            |    |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--|
| 29                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | TSPX_TmSlfF, TSPX_TscF, TimingAdv_r01,<br>'000'B, '001'B, '011'B)                                                                                                                          |    |  |
| 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | [(TCV_n = 2) OR (TCV_n = 3)]<br>(TCV_ch :=<br>OC_SubchOfFacch(OC_LeastBits(TSPX_Chtp5,<br>1), C_CellA, 1), TCV_sacchTch :=<br>OC_SubchOfSacch(OC_LeastBits(TSPX_Chtp5,<br>1), C_CellA, 1)) |    |  |
| 31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | +HalfRateCh_A_1_7(C_Immass,<br>TSPX_TmSlfF, TSPX_TscF, TimingAdv_r01,<br>'000'B, '001'B, '011'B)                                                                                           | 8. |  |
| 32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | [(TCV_n >= 8) AND (TCV_n <= 15)]                                                                                                                                                           |    |  |
| 33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (TCV_ch :=<br>OC_SubchOfSdcch8(OC_LeastBits(TSPX_Chtp3,<br>3), C_CellA, 1), TCV_sacchTch :=<br>OC_SubchOfSacch8(OC_LeastBits(TSPX_Chtp3,<br>3), C_CellA, 1))                               |    |  |
| 34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | +SDCCH8_A_1_5(C_Immass, TSPX_TmSlfF,<br>TSPX_TscF, TimingAdv_r01, '000'B, '001'B,<br>'011'B)                                                                                               | 9. |  |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                            |    |  |
| <ol style="list-style-type: none"> <li>1. To setup a physical channel as BCCH, CCCH.</li> <li>2. To set two physical channels, one as hopping channel for immediate assignment another one as hopping channel for after time channel, parameters defined by PIXIT.</li> <li>3. To calculate the starting time for frequency redefinition.</li> <li>4. To send FREQUENCY REDIFINITION message.</li> <li>5. To calculate the starting time and send the ASSIGNMENT COMMAND on special frame TCV_Fn. The assigned channel not activated in the tester.</li> <li>6. The expected ASSIGNMENT FAILURE message received on the channel defined by frequency redefinition.</li> <li>7. If the selected channel type is TCH/F, setup a physical channel as full rate channel for immediate assignment.</li> <li>8. If the selected channel type is TCH/H, setup a physical channel as half rate channel for immediate assignment.</li> <li>9. If the selected channel type is SDCCH8, setup a physical channel as SDCCH8 channel for immediate assignment.</li> </ol> |                                                                                                                                                                                            |    |  |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                         |                                                                             |     |                         |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_6_13_5                                                                                                                                                                                                                                                                                                                                                                            |                                                                             |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                     |                                                                             |     |                         |
| <b>Purpose:</b>             |       | To verify that the MS, after receiving a HANDOVER COMMAND message with a starting time and channel descriptions both for before and after the starting time, and ready to access before the time performs correctly the handover using the description for before the time, and then starts using the frequency parameters for after the time at the the time indicated in the message. |                                                                             |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                         |                                                                             |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                   | CRef                                                                        | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                      |                                                                             |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                    |                                                                             |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                         |                                                                             |     |                         |
| 4                           |       | +PreEnterIdleState_r01(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_r01, '000'B, '000'B, '011'B, '00'O)                                                                                                                                                                                                                                                                              |                                                                             |     | 1.                      |
| 5                           |       | (TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB))                                                                                                                                                                                                                                                                                                                           |                                                                             |     |                         |
| 6                           |       | +StartCellB_5(C_Immass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_r01, 0, '000'B, '000'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                    |                                                                             |     | 2.                      |
| 7                           |       | +channelsetup                                                                                                                                                                                                                                                                                                                                                                           |                                                                             |     | 3.                      |
| 8                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                                                                                          |                                                                             |     |                         |
| 9                           | body  | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                                                        | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                                      |     |                         |
| 10                          |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                                                                                                                                                                                                                                         | ChReq_01                                                                    |     |                         |
| 11                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                            |                                                                             |     | To match ChReq retrans. |
| 12                          |       | L!DL_UdatRqImm                                                                                                                                                                                                                                                                                                                                                                          | ImmAss_r31(TCV_Rr, TCV_Fn, TCV_agch, TSPX_TmSltG, TSPX_TscG, TimingAdv_r01) |     |                         |
| 13                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                              |                                                                             |     |                         |
|                             |       | <b>localtree</b>                                                                                                                                                                                                                                                                                                                                                                        |                                                                             |     |                         |
| 14                          |       | L?DL_EstInPgRes                                                                                                                                                                                                                                                                                                                                                                         | PgRes_01                                                                    |     |                         |
| 15                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                               |                                                                             |     | Restore Normal default  |
| 16                          |       | (TCV_Fn := OM_ComingFn(TCV_ch), TCV_Strt := OC_StartTime(TCV_Fn, TSPX_Tm2, 1), TCV_Null := OM_SendNextOn(TCV_ch, TCV_Fn))                                                                                                                                                                                                                                                               |                                                                             |     | 4.                      |
| 17                          |       | +gsmOrDcs                                                                                                                                                                                                                                                                                                                                                                               |                                                                             |     |                         |
| 18                          |       | L?DL_RacInHoacc                                                                                                                                                                                                                                                                                                                                                                         | HndOvAcc_02(TCV_chTch)                                                      |     |                         |
| 19                          |       | L!DL_DatRqPhyinfo                                                                                                                                                                                                                                                                                                                                                                       | PhyInfo_02(TCV_chTch, TimingAdv_r01)                                        |     |                         |
| 20                          |       | L?DL_EstIn                                                                                                                                                                                                                                                                                                                                                                              | DLEstInd_01                                                                 |     |                         |
| 21                          |       | L?DL_DatInHoCom                                                                                                                                                                                                                                                                                                                                                                         | HndOvCmp_01(TCV_chTch)                                                      |     |                         |
| 22                          |       | +gsmOrDcs1                                                                                                                                                                                                                                                                                                                                                                              |                                                                             |     |                         |
|                             |       | <b>gsmOrDcs1</b>                                                                                                                                                                                                                                                                                                                                                                        |                                                                             |     |                         |
| 23                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                                                |                                                                             |     |                         |
| 24                          |       | (TCV_Res := OM_FHCHK(TCV_sacchTch1))                                                                                                                                                                                                                                                                                                                                                    |                                                                             |     |                         |
| 25                          |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                                        |                                                                             | (P) |                         |
| 26                          |       | +PostMainLinkRel(TCV_chTch1)                                                                                                                                                                                                                                                                                                                                                            |                                                                             |     |                         |
| 27                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                                                       |                                                                             | (F) |                         |
| 28                          |       | +PostMainLinkRel(TCV_chTch1)                                                                                                                                                                                                                                                                                                                                                            |                                                                             |     |                         |
| 29                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                              |                                                                             |     |                         |
| 30                          |       | (TCV_Res := OM_FHCHK(TCV_sacchTch1))                                                                                                                                                                                                                                                                                                                                                    |                                                                             |     |                         |
| 31                          |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                                        |                                                                             | (P) |                         |
| 32                          |       | +PostMainLinkRel(TCV_chTch1)                                                                                                                                                                                                                                                                                                                                                            |                                                                             |     |                         |
| 33                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                                                       |                                                                             | (F) |                         |

|    |                                                                                                                                                                                                                                                                                                                                      |                                                     |     |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-----|
| 34 | +PostMainLinkRel(TCV_chTch1)                                                                                                                                                                                                                                                                                                         |                                                     |     |
|    | <b>gsmOrDcs</b>                                                                                                                                                                                                                                                                                                                      |                                                     |     |
| 35 | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                             |                                                     |     |
| 36 | (TCV_Null := OM_StartMsrReport(TCV_sacchTch))                                                                                                                                                                                                                                                                                        |                                                     |     |
| 37 | L?DL_UdatInMsrRpt (TCV_MsrRes :=<br>DL_UdatInMsrRpt.msg.msrr)                                                                                                                                                                                                                                                                        | MsrRept_02                                          |     |
| 38 | (TCV_Null :=<br>OM_StopMsrReport(TCV_sacchTch))                                                                                                                                                                                                                                                                                      |                                                     |     |
| 39 | LIDL_DatRqHoCmd<br>(DL_DatRqHoCmd.msg.strt := TCV_Strt)                                                                                                                                                                                                                                                                              | HndOv_32(TCV_ch,<br>TSPX_TmSlitDef,<br>TSPX_TscDef) |     |
| 40 | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                           |                                                     |     |
| 41 | LIDL_DatRqHoCmd (DL_DatRqHoCmd.msg.strt :=<br>TCV_Strt)                                                                                                                                                                                                                                                                              | HndOv_33(TCV_ch,<br>TSPX_TmSlitDef,<br>TSPX_TscDef) |     |
|    | <b>channelsetup</b>                                                                                                                                                                                                                                                                                                                  |                                                     |     |
| 42 | (TCV_ch :=<br>OC_SubchOfSdcch8(TSPX_SDCCH8SubB, C_CellA,<br>1), TCV_sacch8 :=<br>OC_SubchOfSacch8(TSPX_SDCCH8SubB, C_CellA,<br>1), TCV_n := BIT_TO_INT(TSPX_Chtp7))                                                                                                                                                                  |                                                     |     |
| 43 | +SDCCH8_A_1_6(C_Immass, TSPX_TmSlitG,<br>TSPX_TscG, TimingAdv_r01, '000'B, '000'B, '011'B)                                                                                                                                                                                                                                           |                                                     |     |
| 44 | [TCV_n = 1]                                                                                                                                                                                                                                                                                                                          |                                                     |     |
| 45 | (TCV_chTch1 := C_FACCHF_B_1,<br>TCV_sacchTch1 := C_SACCHF_B_1,<br>TCV_chTch := C_FACCHF_B_2,<br>TCV_sacchTch := C_SACCHF_B_2)                                                                                                                                                                                                        |                                                     |     |
| 46 | +FullRateCh_B_1_3(C_Asynho,<br>TSPX_TmSlitDef, TSPX_TscDef,<br>TimingAdv_r01, '000'B, '000'B, '011'B)                                                                                                                                                                                                                                |                                                     | 5.  |
| 47 | +FullRateCh_B_2_1(C_Asynho,<br>TSPX_TmSlitDef, TSPX_TscDef,<br>TimingAdv_r01, '000'B, '000'B, '011'B)                                                                                                                                                                                                                                |                                                     | 6.  |
| 48 | [(TCV_n = 2) OR (TCV_n = 3)]                                                                                                                                                                                                                                                                                                         |                                                     |     |
| 49 | (TCV_chTch1 :=<br>OC_SubchOfFacchh(OC_LeastBits(TSPX_Chtp<br>7, 1), C_CellB, 1), TCV_sacchTch1 :=<br>OC_SubchOfSacchh(OC_LeastBits(TSPX_Cht<br>p7, 1), C_CellB, 1), TCV_chTch :=<br>OC_SubchOfFacchh(OC_LeastBits(TSPX_Chtp<br>7, 1), C_CellB, 2), TCV_sacchTch :=<br>OC_SubchOfSacchh(OC_LeastBits(TSPX_Cht<br>p7, 1), C_CellB, 2)) |                                                     |     |
| 50 | +HalfRateCh_B_1_1(C_Asynho,<br>TSPX_TmSlitDef, TSPX_TscDef,<br>TimingAdv_r01, '000'B, '000'B, '011'B)                                                                                                                                                                                                                                |                                                     | 7.  |
| 51 | +HalfRateCh_B_2_1(C_Asynho,<br>TSPX_TmSlitDef, TSPX_TscDef,<br>TimingAdv_r01, '000'B, '000'B, '011'B)                                                                                                                                                                                                                                |                                                     | 8.  |
| 52 | [(TCV_n >= 8) AND (TCV_n <= 15)]                                                                                                                                                                                                                                                                                                     |                                                     |     |
| 53 | (TCV_chTch1 :=<br>OC_SubchOfSdcch8(OC_LeastBits(TSPX_Cht<br>p7, 3), C_CellB, 1), TCV_sacchTch1 :=<br>OC_SubchOfSacch8(OC_LeastBits(TSPX_Cht<br>p7, 3), C_CellB, 1), TCV_chTch :=<br>OC_SubchOfSdcch8(OC_LeastBits(TSPX_Cht<br>p7, 3), C_CellB, 2), TCV_sacchTch :=<br>OC_SubchOfSacch8(OC_LeastBits(TSPX_Cht<br>p7, 3), C_CellB, 2)) |                                                     |     |
| 54 | +SDCCH8_B_1_1(C_Asynho,<br>TSPX_TmSlitDef, TSPX_TscDef,<br>TimingAdv_r01, '000'B, '000'B, '011'B)                                                                                                                                                                                                                                    |                                                     | 9.  |
| 55 | +SDCCH8_B_2_1(C_Asynho,<br>TSPX_TmSlitDef, TSPX_TscDef,<br>TimingAdv_r01, '000'B, '000'B, '011'B)                                                                                                                                                                                                                                    |                                                     | 10. |

**Detailed Comments:**

1. To setup a physical channel as BCCH, CCCH for cell A.
2. To setup a physical channel as BCCH, CCCH for cell B.
3. To setup a physical channel as SDCCH8 in cell A and setup 2 physical channels as hopping channels in cell B.

4. To get the future frame number for sending HANOVER COMMAND and calculate starting time.
5. If the required channel is full rate channel, setup the after time full rate hopping channel.
6. If the required channel is full rate channel, setup the before time full rate hopping channel.
7. If the required channel is half rate channel, setup the after time half rate hopping channel.
8. If the required channel is half rate channel, setup the before time half rate hopping channel.
9. If the required channel is SDCCH8 channel, setup the after time SDCCH8 hopping channel.
10. If the required channel is SDCCH8 channel, setup the before time SDCCH8 hopping channel.

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                        |                                                                                 |    |                         |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_6_13_6                                                                                                                                                                                                                                                                           |                                                                                 |    |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                    |                                                                                 |    |                         |
| <b>Purpose:</b>             |       | To verify that the MS, after receiving a HANDOVER COMMAND message with a starting time and channel descriptions both for before and after the starting time, and ready to transmit after the indicated time, performs correctly the handover using the description for after the time. |                                                                                 |    |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                        |                                                                                 |    |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                  | CRef                                                                            | V  | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                     |                                                                                 |    |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                   |                                                                                 |    |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                        |                                                                                 |    |                         |
| 4                           |       | +PreEnterIdleState_r01(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_r01, '000'B, '000'B, '011'B, '00'O)                                                                                                                                                                             |                                                                                 | 1. |                         |
| 5                           |       | (TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                                                                                                                                          |                                                                                 |    |                         |
| 6                           |       | +StartCellB_5(C_Immass, TSPX_TmSltB, TSPX_TscB, TimingAdv_r01, 0, '000'B, '000'B, '011'B, '00'O)                                                                                                                                                                                       |                                                                                 | 2. |                         |
| 7                           |       | +channelsetup                                                                                                                                                                                                                                                                          |                                                                                 | 3. |                         |
| 8                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                         |                                                                                 |    |                         |
| 9                           | body  | LIDL_UdatRqPg1Rq                                                                                                                                                                                                                                                                       | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                                          |    |                         |
| 10                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq, msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                          | ChReq_01                                                                        |    |                         |
| 11                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                           |                                                                                 |    | To match ChReq retrans. |
| 12                          |       | LIDL_UdatRqImmass                                                                                                                                                                                                                                                                      | ImmAss_r32(TCV_Rr, TCV_Fn, TCV_agch, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_r01) |    |                         |
| 13                          |       | +localtree                                                                                                                                                                                                                                                                             |                                                                                 |    |                         |
| 14                          |       | <b>localtree</b><br>L?DL_EstInPgRes                                                                                                                                                                                                                                                    | PgRes_01                                                                        |    |                         |
| 15                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                              |                                                                                 |    | Restore Normal default  |
| 16                          |       | (TCV_Fn := OM_ComingFn(TCV_ch), TCV_Strt := OC_StartTime(TCV_Fn, 5, 1), TCV_Null := OM_SendNextOn(TCV_ch, TCV_Fn))                                                                                                                                                                     |                                                                                 |    | 4.                      |
| 17                          |       | +gsmOrDcs                                                                                                                                                                                                                                                                              |                                                                                 |    |                         |
| 18                          |       | L?DL_RaInHoacc                                                                                                                                                                                                                                                                         | HndOvAcc_02(TCV_chTch)                                                          |    |                         |
| 19                          |       | LIDL_DatRqPhyinfo                                                                                                                                                                                                                                                                      | PhyInfo_02(TCV_chTch, TimingAdv_r01)                                            |    |                         |
| 20                          |       | L?DL_EstIn                                                                                                                                                                                                                                                                             | DLEstInd_01                                                                     |    |                         |
| 21                          |       | L?DL_DatInHoCom                                                                                                                                                                                                                                                                        | HndOvCmp_01(TCV_chTch)                                                          |    |                         |
| 22                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                            |                                                                                 |    |                         |
| 23                          |       | <b>gsmOrDcs</b><br>[TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                            |                                                                                 |    |                         |
| 24                          |       | LIDL_DatRqHoCmd (DL_DatRqHoCmd.msg.strt := TCV_Strt)                                                                                                                                                                                                                                   | HndOv_34(TCV_ch, TSPX_TmSltB, TSPX_TscB)                                        |    |                         |
| 25                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                             |                                                                                 |    |                         |
| 26                          |       | LIDL_DatRqHoCmd (DL_DatRqHoCmd.msg.strt := TCV_Strt)                                                                                                                                                                                                                                   | HndOv_35(TCV_ch, TSPX_TmSltB, TSPX_TscB)                                        |    |                         |
| 27                          |       | <b>channelsetup</b><br>(TCV_ch := OC_SubchOfSdcch8(TSPX_SDCCH8SubC, C_CellA, 1), TCV_sacch8 := OC_SubchOfSacch8(TSPX_SDCCH8SubC, C_CellA,                                                                                                                                              |                                                                                 |    |                         |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|
| 28<br>29<br>30<br>31<br>32<br>33<br>34<br>35<br>36<br>37                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <pre> 1), TCV_n := BIT_TO_INT(TSPX_Chtp8)) +SDCCH8_A_1_7(C_Immash, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_r01, '000'B, '000'B, '011'B) [TCV_n = 1] (TCV_chTch := C_FACCHF_B_1, TCV_sacchTch := C_SACCHF_B_1) +FullRateCh_B_1_4(C_Asynho, TSPX_TmSlitB, TSPX_TscB, TimingAdv_r01, '000'B, '000'B, '011'B) [(TCV_n = 2) OR (TCV_n = 3)] (TCV_chTch := OC_SubchOfFacchh(OC_LeastBits(TSPX_Chtp 8, 1), C_CellB, 1), TCV_sacchTch := OC_SubchOfSacchh(OC_LeastBits(TSPX_Cht p8, 1), C_CellB, 1)) +HalfRateCh_B_1_2(C_Asynho, TSPX_TmSlitB, TSPX_TscB, TimingAdv_r01, '000'B, '000'B, '011'B) [(TCV_n &gt;= 8) AND (TCV_n &lt;= 15)] (TCV_chTch := OC_SubchOfSdcch8(OC_LeastBits(TSPX_Cht p8, 3), C_CellB, 1), TCV_sacchTch := OC_SubchOfSacch8(OC_LeastBits(TSPX_Cht p8, 3), C_CellB, 1)) +SDCCH8_B_1_2(C_Asynho, TSPX_TmSlitB, TSPX_TscB, TimingAdv_r01, '000'B, '000'B, '011'B) </pre> |  | 5.<br><br>6.<br><br>7. |
| <p><b>Detailed Comments:</b></p> <ol style="list-style-type: none"> <li>1. To setup a physical channel as BCCH, CCCH for cell A.</li> <li>2. To setup a physical channel as BCCH, CCCH for cell B.</li> <li>3. To setup a physical channel as SDCCH8 in cell A and setup a physical channel as hopping channels in cell B.</li> <li>4. To get the future frame number for sending HANDOVER COMMAND and calculate starting time.</li> <li>5. If the required channel is full rate channel, setup the after time full rate hopping channel.</li> <li>6. If the required channel is half rate channel, setup the after time half rate hopping channel.</li> <li>7. If the required channel is SDCCH8 channel, setup the after time SDCCH8 hopping channel.</li> </ol> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                        |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                              |     |                         |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_6_13_7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                              |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                              |     |                         |
| <b>Purpose:</b>             |       | To verify that the MS, after receiving a FREQUENCY REDEFINITION message and then an HANDOVER COMMAND message with a starting time and channel descriptions both for before and after the starting time, failing the handover, and ready to access the old channel before the time indicated in the FREQUENCY REDEFINITION, resumes transmission on the channels used at the time of the reception of the FREQUENCY REDEFINITION message and eventually starts using the new frequency parameters at the time indicated in the FREQUENCY REDEFINITION message. |                                                                              |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                              |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CRef                                                                         | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                              |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                              |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                              |     |                         |
| 4                           |       | +PreEnterIdleState_r01(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_r01, '000'B, '000'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                              | 1.  |                         |
| 5                           |       | +channelsetup                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                              | 3.  |                         |
| 6                           |       | (TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCCH4SubDef, C_CellA))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                              |     |                         |
| 7                           |       | +StartCellB_5(C_Immass, TSPX_TmSlitD, TSPX_TscD, TimingAdv_r01, 0, '000'B, '000'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                              | 2.  |                         |
| 8                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                              |     |                         |
| 9                           | body  | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                                       |     |                         |
| 10                          |       | L?DL_RaclnChRq (TCV_Rr := DL_RaclnChRq.msg.ecau_rrf, TCV_Fn := DL_RaclnChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ChReq_01                                                                     |     |                         |
| 11                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                              |     | To match ChReq retrans. |
| 12                          |       | L!DL_UdatRqImmass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ImmAss_r33(TCV_Rr, TCV_Fn, TCV_agch, TSPX_TmSlitC, TSPX_TscC, TimingAdv_r01) |     |                         |
| 13                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                              |     |                         |
| 14                          |       | <b>localtree</b><br>L?DL_EstlnPgRes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PgRes_01                                                                     |     |                         |
| 15                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                              |     | Restore Normal default  |
| 16                          |       | (TCV_Fn := OM_ComingFn(TCV_ch), TCV_Strt := OC_StartTime(TCV_Fn, 5000, 0))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                              | 4.  |                         |
| 17                          |       | +gsmOrDcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                              |     |                         |
| 18                          |       | L!DL_DatRqFrqre (DL_DatRqFrqre.msg.strt := TCV_Strt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | FrqRedf_04(TCV_ch, TSPX_TmSlitC, TSPX_TscC)                                  | 5.  |                         |
| 19                          |       | (TCV_Null := OM_SendNextOn(TCV_ch, TCV_Fn), TCV_Strt := OC_StartTime(TCV_Fn, 4000, 1))                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                              | 6.  |                         |
| 20                          |       | +gsmOrDcs1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                              |     |                         |
| 21                          |       | L?DL_Estln                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DLEstInd_01                                                                  |     |                         |
| 22                          |       | L?DL_DatlnHofl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | HndOvFI_02(TCV_ch)                                                           |     |                         |
| 23                          |       | +gsmOrDcs2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                              | 7.  |                         |
| 24                          |       | <b>gsmOrDcs2</b><br>[TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                              |     |                         |
| 25                          |       | (TCV_Res := OM_FHCHK(TCV_sacchTch))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                              |     |                         |
| 26                          |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                              | (P) |                         |
| 27                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                              |     |                         |
| 28                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                              | (F) |                         |
| 29                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                              |     |                         |
| 30                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                              |     |                         |
| 31                          |       | (TCV_Res := OM_FHCHK(TCV_sacchTch))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                              |     |                         |
| 32                          |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                              | (P) |                         |

|                           |                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |     |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|
| 33                        | +PostMainLinkRel(TCV_ch)                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |     |
| 34                        | [TCV_Res = FALSE]                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | (F) |     |
| 35                        | +PostMainLinkRel(TCV_ch)                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |     |
|                           | <b>gsmOrDcs</b>                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |     |
| 36                        | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |     |
| 37                        | (TCV_Null := OM_FreqDef(TCV_Strt, MobilAlc_r25,<br>TCV_ch, ChDescrp_r48( TSPX_TmSltC,<br>TSPX_TscC), CellChDes_02))                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |     |
| 38                        | [TSPC_DCS]                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |     |
| 39                        | (TCV_Null := OM_FreqDef(TCV_Strt, MobilAlc_r25,<br>TCV_ch, ChDescrp_r48( TSPX_TmSltC,<br>TSPX_TscC), CellChDes_03))                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |     |
|                           | <b>gsmOrDcs1</b>                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |     |
| 40                        | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |     |
| 41                        | L!DL_DatRqHoCmd (DL_DatRqHoCmd.msg.strt :=<br>TCV_Strt)                                                                                                      | HndOv_36(TCV_ch,<br>TSPX_TmSltD,<br>TSPX_TscD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |     |
| 42                        | [TSPC_DCS]                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |     |
| 43                        | L!DL_DatRqHoCmd (DL_DatRqHoCmd.msg.strt :=<br>TCV_Strt)                                                                                                      | HndOv_37(TCV_ch,<br>TSPX_TmSltD,<br>TSPX_TscD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |     |
|                           | <b>channelsetup</b>                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |     |
| 44                        | (TCV_n := BIT_TO_INT(TSPX_Chtp9))                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |     |
| 45                        | [TCV_n = 1]                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |     |
| 46                        | (TCV_ch := C_FACCHF_A_1, TCV_sacchTch :=<br>C_SACCHF_A_1)                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |     |
| 47                        | +FullRateCh_A_1_14(C_Immass,<br>TSPX_TmSltC, TSPX_TscC, TimingAdv_r01,<br>'000'B, '000'B, '011'B)                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     | 8.  |
| 48                        | [(TCV_n = 2) OR (TCV_n = 3)]                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |     |
| 49                        | (TCV_ch :=<br>OC_SubchOfFacch(OC_LeastBits(TSPX_Chtp9,<br>1), C_CellA, 1), TCV_sacchTch :=<br>OC_SubchOfSacch(OC_LeastBits(TSPX_Chtp9,<br>1), C_CellA, 1))   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |     |
| 50                        | +HalfRateCh_A_1_8(C_Immass,<br>TSPX_TmSltC, TSPX_TscC, TimingAdv_r01,<br>'000'B, '000'B, '011'B)                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     | 9.  |
| 51                        | [(TCV_n >= 8) AND (TCV_n <= 15)]                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |     |
| 52                        | (TCV_ch :=<br>OC_SubchOfSdcch8(OC_LeastBits(TSPX_Chtp9,<br>3), C_CellA, 1), TCV_sacchTch :=<br>OC_SubchOfSacch8(OC_LeastBits(TSPX_Chtp9,<br>3), C_CellA, 1)) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |     |
| 53                        | +SDCCH8_A_1_8(C_Immass, TSPX_TmSltC,<br>TSPX_TscC, TimingAdv_r01, '000'B, '000'B,<br>'011'B)                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     | 10. |
| <b>Detailed Comments:</b> |                                                                                                                                                              | <ol style="list-style-type: none"> <li>1. To setup a physical channel as BCCH, CCCH.</li> <li>2. To set a physical channel as BCCH, CCCH for Cell B.</li> <li>3. To setup a physical channel for immediate assignmemnt.</li> <li>4. To calculate the starting time for frequency redefinition.</li> <li>5. To send FREQUENCY REDIFINITION message.</li> <li>6. To calculate the starting time and send the HANDOVER COMMAND on special frame TCV_Fn.<br/>The assigned channel not activated in the tester.</li> <li>7. To check whether the after time frequency hopping is correct at the RF burst level.</li> <li>8. If the selected channel type is TCH/F, setup a physical channel as full rate channel for immediate assignment.</li> <li>9. If the selected channel type is TCH/H, setup a physical channel as half rate channel for immediate assignment.</li> <li>10. If the selected channel type is SDCCH8, setup a physical channel as SDCCH8 channel for immediate assignment.</li> </ol> |     |     |



| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                              |   |                         |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|---|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_6_13_8                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                              |   |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                              |   |                         |
| <b>Purpose:</b>             |       | To verify that the MS, after receiving a FREQUENCY REDEFINITION message and then an HANDOVER COMMAND message with a starting time and channel descriptions both for before and after the starting time, failing the handover, and returning on the old channel, and ready to access after the time indicated in the FREQUENCY REDEFINITION, resumes transmission using the new frequency parameters indicated in the FREQUENCY REDEFINITION message. |                                                                              |   |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                              |   |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                | CRef                                                                         | V | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                              |   |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                              |   |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                      |                                                                              |   |                         |
| 4                           |       | +PreEnterIdleState_r01(C_Immass, TCV_slot, TCV_tsc, 5,1, 0, TimingAdv_r01, '000'B, '000'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                            |                                                                              |   | 1.                      |
| 5                           |       | +channelsetup                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                              |   | 3.                      |
| 6                           |       | (TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                                                                                                                                                                                                                                                                                                        |                                                                              |   |                         |
| 7                           |       | +StartCellB_5(C_Immass, TSPX_TmSlitE, TSPX_TscE, TimingAdv_r01, 0, '000'B, '000'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                    |                                                                              |   | 2.                      |
| 8                           |       | +CCCH_group_Paging_group(TCV_Cc d0A, TSPX_IMSI)                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                              |   |                         |
| 9                           | body  | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                                                                                                                     | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                                       |   |                         |
| 10                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq, msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                        | ChReq_01                                                                     |   |                         |
| 11                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                              |   | To match ChReq retrans. |
| 12                          |       | L!DL_UdatRqImmass                                                                                                                                                                                                                                                                                                                                                                                                                                    | ImmAss_r34(TCV_Rr, TCV_Fn, TCV_agch, TSPX_TmSlitD, TSPX_TscD, TimingAdv_r01) |   |                         |
| 13                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                              |   |                         |
| 14                          |       | <b>localtree</b><br>L?DL_EstInPgRes                                                                                                                                                                                                                                                                                                                                                                                                                  | PgRes_01                                                                     |   |                         |
| 15                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                              |   | Restore Normal default  |
| 16                          |       | (TCV_Fn := OM_ComingFn(TCV_ch), TCV_Strt := OC_StartTime(TCV_Fn, 10, 0))                                                                                                                                                                                                                                                                                                                                                                             |                                                                              |   | 4.                      |
| 17                          |       | +gsmOrDcs                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                              |   |                         |
| 18                          |       | L!DL_DatRqFrqre (DL_DatRqFrqre.msg.strt := TCV_Strt)                                                                                                                                                                                                                                                                                                                                                                                                 | FrqRedf_05(TCV_ch, TSPX_TmSlitD, TSPX_TscD)                                  |   | 5.                      |
| 19                          |       | (TCV_Null := OM_SendNextOn(TCV_ch, TCV_Fn), TCV_Strt := OC_StartTime(TCV_Fn, 5000, 1))                                                                                                                                                                                                                                                                                                                                                               |                                                                              |   | 6.                      |
| 20                          |       | +gsmOrDcs1                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                              |   |                         |
| 21                          |       | L?DL_EstIn                                                                                                                                                                                                                                                                                                                                                                                                                                           | DLEstInd_01                                                                  |   |                         |
| 22                          |       | L?DL_DatInHofl                                                                                                                                                                                                                                                                                                                                                                                                                                       | HndOvFI_02(TCV_ch)                                                           |   | 7.                      |
| 23                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                              |   |                         |
| 24                          |       | <b>gsmOrDcs</b><br>[TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                              |   |                         |
| 25                          |       | (TCV_Null := OM_FreqDef(TCV_Strt, MobilAlc_r29, TCV_ch, ChDescrp_r54( TSPX_TmSlitD, TSPX_TscD), CellChDes_02))                                                                                                                                                                                                                                                                                                                                       |                                                                              |   |                         |
| 26                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                              |   |                         |
| 27                          |       | (TCV_Null := OM_FreqDef(TCV_Strt, MobilAlc_r29, TCV_ch, ChDescrp_r54( TSPX_TmSlitD, TSPX_TscD), CellChDes_03))                                                                                                                                                                                                                                                                                                                                       |                                                                              |   |                         |
| 28                          |       | <b>gsmOrDcs1</b><br>[TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                              |   |                         |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                              |                                                 |     |
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| 29                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | LIDL_DatRqHoCmd (DL_DatRqHoCmd.msg.strt :=<br>TCV_Strt)                                                                                                      | HndOv_38(TCV_ch,<br>TSPX_TmSlitE,<br>TSPX_TscE) |     |
| 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | [TSPC_DCS]                                                                                                                                                   |                                                 |     |
| 31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | LIDL_DatRqHoCmd (DL_DatRqHoCmd.msg.strt :=<br>TCV_Strt)                                                                                                      | HndOv_39(TCV_ch,<br>TSPX_TmSlitE,<br>TSPX_TscE) |     |
| <b>channelsetup</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                              |                                                 |     |
| 32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | (TCV_n := BIT_TO_INT(TSPX_Chtp9))                                                                                                                            |                                                 |     |
| 33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | [TCV_n = 1]                                                                                                                                                  |                                                 |     |
| 34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | (TCV_ch := C_FACCHF_A_1, TCV_sacchTch :=<br>C_SACCHF_A_1)                                                                                                    |                                                 |     |
| 35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | +FullRateCh_A_1_15(C_Immass,<br>TSPX_TmSlitD, TSPX_TscD, TimingAdv_r01,<br>'000'B, '000'B, '011'B)                                                           |                                                 | 8.  |
| 36                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | [(TCV_n = 2) OR (TCV_n = 3)]                                                                                                                                 |                                                 |     |
| 37                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | (TCV_ch :=<br>OC_SubchOfFacchh(OC_LeastBits(TSPX_Chtp9,<br>1), C_CellA, 1), TCV_sacchTch :=<br>OC_SubchOfSacchh(OC_LeastBits(TSPX_Chtp9,<br>1), C_CellA, 1)) |                                                 |     |
| 38                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | +HalfRateCh_A_1_9(C_Immass,<br>TSPX_TmSlitD, TSPX_TscD, TimingAdv_r01,<br>'000'B, '000'B, '011'B)                                                            |                                                 | 9.  |
| 39                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | [(TCV_n >= 8) AND (TCV_n <= 15)]                                                                                                                             |                                                 |     |
| 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | (TCV_ch :=<br>OC_SubchOfSdcch8(OC_LeastBits(TSPX_Chtp9,<br>3), C_CellA, 1), TCV_sacchTch :=<br>OC_SubchOfSacch8(OC_LeastBits(TSPX_Chtp9,<br>3), C_CellA, 1)) |                                                 |     |
| 41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | +SDCCH8_A_1_9(C_Immass, TSPX_TmSlitD,<br>TSPX_TscD, TimingAdv_r01, '000'B, '000'B,<br>'011'B)                                                                |                                                 | 10. |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                              |                                                 |     |
| <ol style="list-style-type: none"> <li>1. To setup a physical channel as BCCH, CCCH.</li> <li>2. To set a physical channel as BCCH, CCCH for Cell B.</li> <li>3. To setup a physical channel for immediate assignment.</li> <li>4. To calculate the starting time for frequency redefinition.</li> <li>5. To send FREQUENCY REDFINITION message.</li> <li>6. To calculate the starting time and send the HANDOVER COMMAND on special frame TCV_Fn.<br/>The assigned channel not activated in the tester.</li> <li>7. The HANDOVER FAILURE message received on the channel using the after time hopping parameters of the frequency redefinition message.</li> <li>8. If the selected channel type is TCH/F, setup a physical channel as full rate channel for immediate assignment.</li> <li>9. If the selected channel type is TCH/H, setup a physical channel as half rate channel for immediate assignment.</li> <li>10. If the selected channel type is SDCCH8, setup a physical channel as SDCCH8 channel for immediate assignment.</li> </ol> |                                                                                                                                                              |                                                 |     |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                           |                                                                              |     |                         |
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| <b>Test Case Name:</b>      |       | TC_26_6_13_9                                                                                                                                                                                                                                                                                                                                                                              |                                                                              |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                                                       |                                                                              |     |                         |
| <b>Purpose:</b>             |       | To verify that the MS, after receiving an IMMEDIATE ASSIGNMENT message with a starting time and channel descriptions both for before and after the starting time, and ready to access before the indicated time, performs correctly the assignment using the description for before the time, and then starts using the frequency parameters for after the time indicated in the message. |                                                                              |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                           |                                                                              |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                     | CRef                                                                         | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                        |                                                                              |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                      |                                                                              |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                           |                                                                              |     |                         |
| 4                           |       | +PreEnterIdleState_r01(C_Immass, TCV_slot, TCV_tsc, 5,1, 0, TimingAdv_r01, '000'B, '000'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                 |                                                                              | 1.  |                         |
| 5                           |       | +channelsetup                                                                                                                                                                                                                                                                                                                                                                             |                                                                              | 2.  |                         |
| 6                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                                                                                            |                                                                              |     |                         |
| 7                           | body  | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                                                          | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                                       |     |                         |
| 8                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                              | ChReq_01                                                                     |     |                         |
| 9                           |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                              |                                                                              |     | To match ChReq retrans. |
| 10                          |       | (TCV_Fn := OM_ComingFn(TCV_ch), TCV_Strt := OC_StartTime(TCV_Fn, TSPX_Tm3, 1))                                                                                                                                                                                                                                                                                                            |                                                                              | 3.  |                         |
| 11                          |       | +gsmOrDcs1                                                                                                                                                                                                                                                                                                                                                                                |                                                                              | 4.  |                         |
| 12                          |       | (TCV_Null := OM_SendNextOn(TCV_ch, TCV_Fn))                                                                                                                                                                                                                                                                                                                                               |                                                                              |     |                         |
| 13                          |       | L!DL_UdatRqImmass                                                                                                                                                                                                                                                                                                                                                                         | ImmAss_r35(TCV_Rr, TCV_Fn, TCV_agch, TSPX_TmSlitF, TSPX_TscF, TimingAdv_r01) |     |                         |
| 14                          |       | L?DL_EstInPgRes                                                                                                                                                                                                                                                                                                                                                                           | PgRes_02(TCV_ch)                                                             |     |                         |
| 15                          |       | ACTIVATE(OtherEventsFail )                                                                                                                                                                                                                                                                                                                                                                |                                                                              |     | Restore Normal default  |
| 16                          |       | +gsmOrDcs                                                                                                                                                                                                                                                                                                                                                                                 |                                                                              | 5.  |                         |
| 17                          |       | <b>gsmOrDcs</b><br>[TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                               |                                                                              |     |                         |
| 18                          |       | (TCV_Res := OM_FHCHK(TCV_sacchTch))                                                                                                                                                                                                                                                                                                                                                       |                                                                              |     |                         |
| 19                          |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                                          |                                                                              | (P) |                         |
| 20                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                  |                                                                              |     |                         |
| 21                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                                                         |                                                                              | (F) |                         |
| 22                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                  |                                                                              |     |                         |
| 23                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                |                                                                              |     |                         |
| 24                          |       | (TCV_Res := OM_FHCHK(TCV_sacchTch))                                                                                                                                                                                                                                                                                                                                                       |                                                                              |     |                         |
| 25                          |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                                          |                                                                              | (P) |                         |
| 26                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                  |                                                                              |     |                         |
| 27                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                                                         |                                                                              | (F) |                         |
| 28                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                  |                                                                              |     |                         |
| 29                          |       | <b>gsmOrDcs1</b><br>[TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                              |                                                                              |     |                         |
| 30                          |       | (TCV_Null := OM_FreqDef(TCV_Strt, MobilAllc_r32, TCV_ch, ChDescrp_r55(TSPX_TmSlitF, TSPX_TscF), CellChDes_02))                                                                                                                                                                                                                                                                            |                                                                              |     |                         |
| 31                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                |                                                                              |     |                         |
| 32                          |       | (TCV_Null := OM_FreqDef(TCV_Strt, MobilAllc_r32, TCV_ch, ChDescrp_r55(TSPX_TmSlitF, TSPX_TscF), CellChDes_03))                                                                                                                                                                                                                                                                            |                                                                              |     |                         |

|                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |                                                                 |
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| <p>33<br/>34<br/>35<br/>36<br/>37<br/>38<br/>39<br/>40<br/>41<br/>42</p> | <pre> <b>channelsetup</b> (TCV_n := BIT_TO_INT(TSPX_Chtp13)) [TCV_n = 1] (TCV_ch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1) +FullRateCh_A_1_16(C_Immass, TSPX_TmSlfF, TSPX_TscF, TimingAdv_r01, '000'B, '000'B, '011'B) [(TCV_n = 2) OR (TCV_n = 3)] (TCV_ch := OC_SubchOfFacchh(OC_LeastBits(TSPX_Chtp1 3, 1), C_Cella, 1), TCV_sacchTch := OC_SubchOfSacchh(OC_LeastBits(TSPX_Chtp1 3, 1), C_Cella, 1)) +HalfRateCh_A_1_10(C_Immass, TSPX_TmSlfF, TSPX_TscF, TimingAdv_r01, '000'B, '000'B, '011'B) [(TCV_n &gt;= 8) AND (TCV_n &lt;= 15)] (TCV_ch := OC_SubchOfSdcch8(OC_LeastBits(TSPX_Chtp1 3, 3), C_Cella, 1), TCV_sacchTch := OC_SubchOfSacch8(OC_LeastBits(TSPX_Chtp1 3, 3), C_Cella, 1)) +SDCCH8_A_1_10(C_Immass, TSPX_TmSlfF, TSPX_TscF, TimingAdv_r01, '000'B, '000'B, '011'B) </pre>                                                 |  |  | <p>6.<br/><br/><br/><br/><br/><br/>7.<br/><br/><br/><br/>8.</p> |
| <p><b>Detailed Comments:</b></p>                                         | <ol style="list-style-type: none"> <li>1. To setup a physical channel as BCCH, CCCH.</li> <li>2. To setup a physical channel for immediate assignmemnt.</li> <li>3. To calculate the starting time for frequency parameters change.</li> <li>4. To inform the test system to change frequency parameters after starting time.</li> <li>5. To check whether the MS transmitting on the after time frequency parameters.</li> <li>6. If the selected channel type is TCH/F, setup a physical channel as full rate channel for immediate assignment before time.</li> <li>7. If the selected channel type is TCH/H, setup a physical channel as half rate channel for immediate assignment before time.</li> <li>8. If the selected channel type is SDCCH8, setup a physical channel as SDCCH8 channel for immediate assignment before time.</li> </ol> |  |  |                                                                 |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                           |                                                                             |     |                         |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_6_13_10                                                                                                                                                                                                                                                                                                                                             |                                                                             |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/RR/                                                                                                                                                                                                                                                                                                                                       |                                                                             |     |                         |
| <b>Purpose:</b>             |       | To verify that the MS, after receiving an IMMEDIATE ASSIGNMENT message with a starting time and channel descriptions both for before and after the starting time, performs correctly the assignment using the frequencies and hopping sequence for after the time if the indicated time has already elapsed when the MOBILE Station is ready to transmit. |                                                                             |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                           |                                                                             |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                     | CRef                                                                        | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                        |                                                                             |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                      |                                                                             |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                           |                                                                             |     |                         |
| 4                           |       | +PreEnterIdleState_r01(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_r01, '000'B, '000'B, '011'B, '00'O)                                                                                                                                                                                                                                                |                                                                             |     | 1.                      |
| 5                           |       | +channelsetup                                                                                                                                                                                                                                                                                                                                             |                                                                             |     | 2.                      |
| 6                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                                                            |                                                                             |     |                         |
| 7                           | body  | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                          | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                                      |     |                         |
| 8                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                              | ChReq_01                                                                    |     |                         |
| 9                           |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                              |                                                                             |     | To match ChReq retrans. |
| 10                          |       | (TCV_Fn := OM_ComingFn(TCV_ch), TCV_Strt := OC_StartTime(TCV_Fn, 5, 1))                                                                                                                                                                                                                                                                                   |                                                                             |     | 3.                      |
| 11                          |       | +gsmOrDcs1                                                                                                                                                                                                                                                                                                                                                |                                                                             |     |                         |
| 12                          |       | (TCV_Null := OM_SendNextOn(TCV_ch, TCV_Fn))                                                                                                                                                                                                                                                                                                               |                                                                             |     |                         |
| 13                          |       | L!DL_UdatRqImm                                                                                                                                                                                                                                                                                                                                            | ImmAss_r36(TCV_Rr, TCV_Fn, TCV_agch, TSPX_TmSltG, TSPX_TscG, TimingAdv_r01) |     |                         |
| 14                          |       | L?DL_EstInPgRes                                                                                                                                                                                                                                                                                                                                           | PgRes_02(TCV_ch)                                                            |     | 4.                      |
| 15                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                 |                                                                             |     | Restore Normal default  |
| 16                          |       | +gsmOrDcs                                                                                                                                                                                                                                                                                                                                                 |                                                                             |     |                         |
| <b>gsmOrDcs</b>             |       |                                                                                                                                                                                                                                                                                                                                                           |                                                                             |     |                         |
| 17                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                  |                                                                             |     |                         |
| 18                          |       | (TCV_Res := OM_FHCHK(TCV_sacchTch))                                                                                                                                                                                                                                                                                                                       |                                                                             |     |                         |
| 19                          |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                          |                                                                             | (P) |                         |
| 20                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                  |                                                                             |     |                         |
| 21                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                         |                                                                             | (F) |                         |
| 22                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                  |                                                                             |     |                         |
| <b>[TSPC_DCS]</b>           |       |                                                                                                                                                                                                                                                                                                                                                           |                                                                             |     |                         |
| 24                          |       | (TCV_Res := OM_FHCHK(TCV_sacchTch))                                                                                                                                                                                                                                                                                                                       |                                                                             |     |                         |
| 25                          |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                          |                                                                             | (P) |                         |
| 26                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                  |                                                                             |     |                         |
| 27                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                         |                                                                             | (F) |                         |
| 28                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                  |                                                                             |     |                         |
| <b>gsmOrDcs1</b>            |       |                                                                                                                                                                                                                                                                                                                                                           |                                                                             |     |                         |
| 29                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                  |                                                                             |     |                         |
| 30                          |       | (TCV_Null := OM_FreqDef(TCV_Strt, MobilAllc_r33, TCV_ch, ChDescrp_r56(TSPX_TmSltG, TSPX_TscG), CellChDes_02))                                                                                                                                                                                                                                             |                                                                             |     |                         |
| <b>[TSPC_DCS]</b>           |       |                                                                                                                                                                                                                                                                                                                                                           |                                                                             |     |                         |
| 31                          |       | (TCV_Null := OM_FreqDef(TCV_Strt, MobilAllc_r33, TCV_ch, ChDescrp_r56(TSPX_TmSltG, TSPX_TscG), CellChDes_03))                                                                                                                                                                                                                                             |                                                                             |     |                         |
| 32                          |       | (TCV_Null := OM_FreqDef(TCV_Strt, MobilAllc_r33, TCV_ch, ChDescrp_r56(TSPX_TmSltG, TSPX_TscG), CellChDes_03))                                                                                                                                                                                                                                             |                                                                             |     |                         |

|                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |                                                                           |
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| <p>33<br/>34<br/>35<br/>36<br/>37<br/>38<br/>39<br/>40<br/>41<br/>42</p> | <p><b>channelsetup</b><br/>(TCV_n := BIT_TO_INT(TSPX_Chtp14))<br/>[TCV_n = 1]<br/>(TCV_ch := C_FACCHF_A_1, TCV_sacchTch :=<br/>C_SACCHF_A_1)<br/>+FullRateCh_A_1_17(C_Immass,<br/>TSPX_TmSlTg, TSPX_TscG, TimingAdv_r01,<br/>'000'B, '000'B, '011'B)<br/>[(TCV_n = 2) OR (TCV_n = 3)]<br/>(TCV_ch :=<br/>OC_SubchOfFacchh(OC_LeastBits(TSPX_Chtp1<br/>4, 1), C_CellA, 1), TCV_sacchTch :=<br/>OC_SubchOfSacchh(OC_LeastBits(TSPX_Chtp1<br/>4, 1), C_CellA, 1))<br/>+HalfRateCh_A_1_11(C_Immass,<br/>TSPX_TmSlTg, TSPX_TscG, TimingAdv_r01,<br/>'000'B, '000'B, '011'B)<br/>[(TCV_n &gt;= 8) AND (TCV_n &lt;= 15)]<br/>(TCV_ch :=<br/>OC_SubchOfSdcch8(OC_LeastBits(TSPX_Chtp1<br/>4, 3), C_CellA, 1), TCV_sacchTch :=<br/>OC_SubchOfSacch8(OC_LeastBits(TSPX_Chtp1<br/>4, 3), C_CellA, 1))<br/>+SDCCH8_A_1_11(C_Immass, TSPX_TmSlTg,<br/>TSPX_TscG, TimingAdv_r01, '000'B, '000'B,<br/>'011'B)</p> |  |  | <p>5.<br/><br/><br/><br/><br/><br/>6.<br/><br/><br/><br/><br/><br/>7.</p> |
| <p><b>Detailed Comments:</b></p>                                         | <ol style="list-style-type: none"> <li>1. To setup a physical channel as BCCH, CCCH.</li> <li>2. To setup a physical channel for immediate assignment.</li> <li>3. To calculate the starting time for immediate assignment.</li> <li>4. To paging response message received on the channel with after time frequency parameters.</li> <li>5. If the selected channel type is TCH/F, setup a physical channel as full rate channel for immediate assignment after time.</li> <li>6. If the selected channel type is TCH/H, setup a physical channel as half rate channel for immediate assignment after time.</li> <li>7. If the selected channel type is SDCCH8, setup a physical channel as SDCCH8 channel for immediate assignment after time.</li> </ol>                                                                                                                                        |  |  |                                                                           |

## Test Group MM

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                 |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_7_1                                                                                                                                                                                                                                                                                                                       |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/MM/                                                                                                                                                                                                                                                                                                             |      |   |          |
| <b>Purpose:</b>             |       | To verify that the MS is able to receive and acknowledge a new TMSI by means of an explicit TMSI reallocation procedure. To verify that the MS has stored the TMSI in a non-volatile memory. The implicit reallocation procedure is tested in section 26.7.4.1.                                                                 |      |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                 |      |   |          |
| <b>Comments:</b>            |       | Initial Conditions of MS:<br>The MS has valid TMSI(TMS1), CKSN and Kc.It is "idle updated" on cell B.<br>The initial conditions will be arrived in procedures of PREAMBLE.<br><br>Required SIM card: default<br><br>Foreseen final state of the MS:<br>The MS has valid TMSI(TMS1), CKSN and Kc.It is "idle updated" on cell A. |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                           | CRef | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                              |      |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                            |      |   |          |
| 3                           |       | +IdleUpdated(C_CellB, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                 |      |   |          |
| 4                           |       | +Varinit_fixB                                                                                                                                                                                                                                                                                                                   |      |   |          |
| 5                           |       | +IdleState_2cellMM2(C_CellB, C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                      |      |   |          |
| 6                           |       | +PreEstRRC_MM(MiTmsi_01, TCV_cksn, TCV_Ccd0B, TimingAdv_r01)                                                                                                                                                                                                                                                                    |      |   |          |
| 7                           |       | +Cipherring_on(TCV_ch)                                                                                                                                                                                                                                                                                                          |      |   |          |
| 8                           |       | +ltree_body                                                                                                                                                                                                                                                                                                                     |      |   |          |
|                             |       | <b>ltree_body</b>                                                                                                                                                                                                                                                                                                               |      |   |          |
| 9                           |       | +TmsiReallocation(MiTmsi_02, C_lacellB)                                                                                                                                                                                                                                                                                         |      |   | 1)       |
| 10                          |       | +ChanRel(TCV_ch)                                                                                                                                                                                                                                                                                                                |      |   |          |
| 11                          |       | +SwitchoffOrPowerdown                                                                                                                                                                                                                                                                                                           |      |   |          |
| 12                          |       | START T_dly(10000)                                                                                                                                                                                                                                                                                                              |      |   |          |
| 13                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                  |      |   |          |
| 14                          |       | +SwitchonOrPowerup                                                                                                                                                                                                                                                                                                              |      |   |          |
| 15                          |       | +WaitForInService                                                                                                                                                                                                                                                                                                               |      |   |          |
| 16                          |       | +PreEstRRC_MM( MiTmsi_02, TCV_cksn, TCV_Ccd0B, TimingAdv_r01)                                                                                                                                                                                                                                                                   |      |   | 2)       |
| 17                          |       | +ChanRel(TCV_ch)                                                                                                                                                                                                                                                                                                                |      |   |          |
| 18                          |       | +Varinit_fixA                                                                                                                                                                                                                                                                                                                   |      |   | 3)       |
| 19                          |       | +ltree_switchcell                                                                                                                                                                                                                                                                                                               |      |   |          |
| 20                          |       | +PreEstRRC_MM(MiTmsi_02, TCV_cksn, TCV_Ccd0A, TimingAdv_r01)                                                                                                                                                                                                                                                                    |      |   | 6)       |
| 21                          |       | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                                            |      |   |          |
|                             |       | <b>ltree_switchcell</b>                                                                                                                                                                                                                                                                                                         |      |   |          |
| 22                          |       | +LowRfLev_Cellnotavail(C_CellB)                                                                                                                                                                                                                                                                                                 |      |   | 4)       |
| 23                          |       | +MM_LUP_tmsirealloc(MiTmsi_01, MiTmsi_02, C_lacellB, TCV_lac, TCV_cksn, TimingAdv_r01)                                                                                                                                                                                                                                          |      |   | 5)       |
| 24                          |       | +ChanRel(TCV_ch)                                                                                                                                                                                                                                                                                                                |      |   |          |
| <b>Detailed Comments:</b>   |       | 1) new TMSI from PIXIT, test body starts from here.<br>2) RR connection with the new tmsi 2.<br>3) Initialisation of variables for cell A.<br>4) The RF level of cell B is lowered until the MS selects cell A and starts the Location Update.<br>5) Location Update from cell B to A.<br>6) RR connection with the new tmsi 1  |      |   |          |

| Test Case Dynamic Behaviour                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |                                                                                                 |      |   |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Case Name:</b> TC_26_7_2_1                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |                                                                                                 |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/MM/                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |                                                                                                 |      |   |          |
| <b>Purpose:</b> 1) To check that a Mobile Station correctly responds to an Authentication(TCV_ch) Request message by<br>sending an Authentication(TCV_ch) Response message with the SRES information field set to the same<br>value as the one produced by the authentication algorithm in the network.<br>2) To check that a Mobile Station indicates in a Paging Response message the ciphering key sequence number which was allocated to it through the authentication procedure. |       |                                                                                                 |      |   |          |
| <b>Default:</b> OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |                                                                                                 |      |   |          |
| <b>Comments:</b> Initial Conditions of MS:<br>The MS has valid TMSI, CKSN(CKSN1) and Kc.It is "idle updated" on the cell.<br><br>Foreseen final state of the MS:<br>The MS has valid TMSI(TMSI1), CKSN and Kc.It is "idle updated" on cell A.                                                                                                                                                                                                                                         |       |                                                                                                 |      |   |          |
| Nr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Label | Behaviour Description                                                                           | CRef | V | Comments |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       | START T_guard(300)                                                                              |      |   |          |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                            |      |   |          |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O) |      |   |          |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       | +PreEstRRC_MM(MiTmsi_01, TCV_cksn, TCV_Ccd0A, TimingAdv_r01)                                    |      |   |          |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       | (TCV_cksn:= TSPX_CKSNB)                                                                         |      |   |          |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | body  | +Authentication(TCV_ch, TCV_cksn)                                                               |      |   |          |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       | +ChanRel(TCV_ch)                                                                                |      |   |          |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       | +PreEstRRC_MM( MiTmsi_01, TCV_cksn, TCV_Ccd0A, TimingAdv_r01)                                   |      |   | 1)       |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | post  | +ChanRel_end(TCV_ch)                                                                            |      |   |          |
| <b>Detailed Comments:</b> 1) RR-Establishment with a new CKSN                                                                                                                                                                                                                                                                                                                                                                                                                         |       |                                                                                                 |      |   |          |



### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_26_7_2_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Group:</b>          | GSM_L3_MS_v4160/MM/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purpose:</b>        | <p>1) To check that ,after reception of an Authentication Reject message, the Mobile Station:</p> <p>1.1 does not perform normal location updating</p> <p>1.2 does not perform periodic location updating</p> <p>1.3 does not respond to paging with TMSI</p> <p>1.4 rejects any request from CM entity for MM connection except for emergency call</p> <p>1.5 does not perform IMSI detach if deactivated</p> <p>2) To check that, after reception of an Authentication Reject message the Mobile Station, if it supports speech, accepts a request for an emergency call by sending a CHANNEL REQUEST message with the establishment cause set to "emergency call" and includes an IMEI as mobile identity in the CM SERVICE REQUEST message.</p> <p>3) To check that, after reception of an Authentication Reject message and after having been deactivated and reactivated, the MS performs location updating using its IMSI as mobile identity and indicates deleted LAI and CKSN.</p> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Comments:</b>       | <p>Initial Conditions of MS:<br/>The MS has valid TMSI, CKSN2 and Kc.It is "idle updated" on cell B.</p> <p>Foreseen final state of the MS:<br/>The MS has valid TMSI, CKSN and Kc.It is "idle updated" on cell A.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

| Nr | Label | Behaviour Description                                                                                      | CRef               | V | Comments |
|----|-------|------------------------------------------------------------------------------------------------------------|--------------------|---|----------|
| 1  |       | START T_guard(600)                                                                                         |                    |   |          |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                       |                    |   |          |
| 3  |       | +IdleUpdated(C_CellB, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)            |                    |   |          |
| 4  |       | +Varinit_fixB                                                                                              |                    |   |          |
| 5  |       | (TCV_cksn:=TSPX_CKSNB)                                                                                     |                    |   |          |
| 6  |       | +IdleState_2cellMM3(C_CellB, C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 1, '000'B, '001'B, '011'B, '01'O) |                    |   |          |
| 7  | body  | +PreEstRRC_MM(MiTmsi_01, TCV_cksn, TCV_Ccd0B, TimingAdv_r01)                                               |                    |   |          |
| 8  |       | +Authentication(TCV_ch, TCV_cksn)                                                                          |                    |   |          |
| 9  |       | LIDL_DatRqAuthRej                                                                                          | AuthRej_01(TCV_ch) |   |          |
| 10 |       | +ChanRel(TCV_ch)                                                                                           |                    |   |          |
| 11 |       | +MM_no_paging(MiTmsi_01,3000, TCV_Ccd0B)                                                                   |                    |   | 2)       |
| 12 |       | START T_dly(15000)                                                                                         |                    |   |          |
| 13 |       | ?TIMEOUT T_dly                                                                                             |                    |   |          |
| 14 |       | +MM_no_cmservices(3000)                                                                                    |                    |   | 3)       |
| 15 |       | +MM_check_ecall1(TimingAdv_r01)                                                                            |                    |   | 4)       |
| 16 |       | +ltree_switchcelltoA                                                                                       |                    |   |          |
| 17 |       | +MM_no_norm_lup(30000)                                                                                     |                    |   | 5)       |
| 18 |       | +ltree_continue                                                                                            |                    |   |          |
|    |       | <b>ltree_continue</b>                                                                                      |                    |   |          |
| 19 |       | +MM_noperiodicLup                                                                                          |                    |   | 6)       |
| 20 |       | +MM_noimsidetach(3000)                                                                                     |                    |   | 7)       |
| 21 |       | +MM_LUPauth2( MiTmsi_01iei,Milmsi_01, C_lacdeleted, TCV_lac, C_cksn_nokey, TCV_cksn, TimingAdv_r01)        |                    |   | 8)       |
| 22 | post  | +ChanRel_end(TCV_ch)                                                                                       |                    |   |          |
|    |       | <b>ltree_switchcelltoA</b>                                                                                 |                    |   |          |
| 23 |       | +Varinit_fixA                                                                                              |                    |   |          |
| 24 |       | +LowRfLev_Cellnotavail(C_CellB)                                                                            |                    |   |          |

|                           |                                                                                                                                       |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>Detailed Comments:</b> | <p>1) Initial condition: CKSN2, which different from default value.</p> <p>2) Check of purpose 1.3</p> <p>3) Check of purpose 1.4</p> |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------|

- 4) Check of purpose 1.4, emergency call  
 5) Check of purpose 1.1  
 6) Check of purpose 1.2  
 7) Check of purpose 1.5  
 8) Check normal location update after SimOutIn or SwitchOnOff or PowerOnOff.

### Test Case Dynamic Behaviour

**Test Case Name:** TC\_26\_7\_3\_1  
**Group:** GSM\_L3\_MS\_v4160/MM/  
**Purpose:** 1) To verify that the MS sends identity information as requested by the system in the following cases: IMSI and TMSI are requested in non-ciphered mode, IMEI is requested in ciphered mode.  
 2) To verify that the MS sends its IMEI, when requested to do so, in non-ciphered mode.  
 3) To verify that the MS sends its IMEISV, when requested to do so, in non-ciphered mode.  
**Default:** OtherEventsFail  
**Comments:** Initial Conditions of MS:  
 The MS has valid TMSI. It is "idle updated" on the cell.  
  
 Foreseen final state of the MS:  
 The MS has valid TMSI. It is "idle updated" on the cell.  
 In the 11.10 there are two test sequences. In TTCN they are combined to only one.

| Nr | Label | Behaviour Description                                                                           | CRef | V | Comments |
|----|-------|-------------------------------------------------------------------------------------------------|------|---|----------|
| 1  |       | START T_guard(300)                                                                              |      |   |          |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                            |      |   |          |
| 3  |       | +IdleUpdated(C_Cella, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O) |      |   |          |
| 4  | body  | +PreEstRRC_MM(MiTmsi_01, TCV_cks, TCV_Ccd0A, TimingAdv_r01)                                     |      |   |          |
| 5  |       | +IdentityRequest(C_IMSI, Milmsi_01)                                                             |      |   |          |
| 6  |       | +IdentityRequest( C_TMSI, MiTmsi_01)                                                            |      |   |          |
| 7  |       | +Ciphering_on(TCV_ch)                                                                           |      |   |          |
| 8  |       | +IdentityRequest(C_IMEI, Milmei_01)                                                             |      |   |          |
| 9  |       | +Ciphering_off(TCV_ch)                                                                          |      |   |          |
| 10 |       | +IdentityRequest(C_IMEI, Milmei_01)                                                             |      |   |          |
| 11 |       | +IdentityRequest( C_IMEISV, Milmeisv_01)                                                        |      |   |          |
| 12 | post  | +ChanRel_end(TCV_ch)                                                                            |      |   |          |

**Detailed Comments:**

### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_26_7_3_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Group:</b>          | GSM_L3_MS_v4160/MM/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purpose:</b>        | To check that the MS behaves correctly when activated with an IMSI of length less than the maximum length. In this condition, the MS shall: <ol style="list-style-type: none"> <li>1. perform location updating</li> <li>2. answer to paging with IMSI</li> <li>3. give the correct IMSI when asked by an IDENTITY REQUEST</li> <li>4. attempt CM connection establishment when requested to</li> <li>5. attempt call re-establishment when needed</li> <li>6. attempt IMSI detach when needed</li> <li>7. erase its TMSI when the IMSI is sent by the network in a LOCATION UPDATING ACCEPT or a TMSI REALLOCATION COMMAND message.</li> </ol> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Comments:</b>       | Initial Conditions of MS:<br>The MS has no valid TMSI. It is "idle updated" on the cell. The IMSI has the value '001011234'.<br>This test case shall use the SIM Card 2 with 'IMSI=001011234' and HPLMN_search_period=6min.<br>Foreseen final state of the MS:<br>The MS has no valid TMSI. It is "idle updated" on the cell.                                                                                                                                                                                                                                                                                                                   |

| Nr | Label | Behaviour Description                                                                                               | CRef              | V | Comments                |
|----|-------|---------------------------------------------------------------------------------------------------------------------|-------------------|---|-------------------------|
| 1  |       | START T_guard(300)                                                                                                  |                   |   |                         |
| 2  |       | +BasicServiceMT(TSPX_MTBscSvcB,TSPX_MTChRateB,TSPX_MT_ImmConnB)                                                     |                   |   |                         |
| 3  |       | (TCV_Null := OO_SIM2Ins())                                                                                          |                   |   |                         |
| 4  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                |                   |   |                         |
| 5  |       | +IdleUpdated(C_CellA, C_ImmMass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                    |                   |   |                         |
| 6  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA)) |                   |   |                         |
| 7  |       | +StartCellA_MM5(C_ImmMass, TCV_slot, TCV_tsc, TimingAdv_r01, 1, '000'B, '001'B, '011'B, '00'O)                      |                   |   |                         |
| 8  |       | +PreEstRRC_MM(MiTmsi_01, TCV_cksn, TCV_Ccd0A, TimingAdv_r01)                                                        |                   |   |                         |
| 9  |       | +TmsiReallocation(Milmsi_31, C_lacellA)                                                                             |                   |   |                         |
| 10 |       | +ChanRel(TCV_ch)                                                                                                    |                   |   |                         |
| 11 |       | +ltree_continue_body                                                                                                |                   |   |                         |
|    |       | <b>ltree_continue_body</b>                                                                                          |                   |   |                         |
| 12 |       | +ltree_check_idreqimsi                                                                                              |                   |   | 1)                      |
| 13 |       | +PreEnterCCstateU10(TCV_Setup_mt, C_Ass, TCV_slot, TCV_tsc, TimingAdv_r01, '000'B, '001'B, '011'B)                  |                   |   |                         |
| 14 |       | +StopSACCH(TCV_sacch)                                                                                               |                   |   |                         |
| 15 |       | +ltree_check_reestablish_imsi                                                                                       |                   |   | 2)                      |
| 16 |       | +ltree_check_tmsi_imsi                                                                                              |                   |   | 3)                      |
| 17 |       | +ltree_check_imsidetach(C_AGCH_A_1)                                                                                 |                   |   | 4)                      |
| 18 |       | +ltree_check_luppoweron                                                                                             |                   |   | 5)                      |
| 19 |       | +ltree_check_luplacchange                                                                                           |                   |   | 6)                      |
| 20 |       | +ltree_check_cmservreqimsi                                                                                          |                   |   | 7)                      |
| 21 |       | +ChanRel_end(TCV_ch)                                                                                                |                   |   |                         |
|    |       | <b>ltree_check_idreqimsi</b>                                                                                        |                   |   |                         |
| 22 |       | +PreEstRRC_MM(Milmsi_31, TCV_cksn, TCV_Ccd0A, TimingAdv_r01)                                                        |                   |   |                         |
| 23 |       | +IdentityRequest(C_IMSI, Milmsi_31)                                                                                 |                   |   |                         |
|    |       | <b>ltree_check_reestablish_imsi</b>                                                                                 |                   |   |                         |
| 24 |       | L?DL_RaInChRq ( TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                       | ChReq_10          |   |                         |
| 25 |       | ACTIVATE(OtherEventsFail_02)                                                                                        |                   |   | To match ChReq retrans. |
| 26 |       | LIDL_UdatRqImmMass                                                                                                  | ImmAss_01Def(TCV_ |   |                         |

|                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                       |                                                                          |     |                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-----|-------------------------|
| 27                                                                                                                                                                                                                                                                                                                                                                                    | L?DL_EstInCmreRq                                                                                      | agch,<br>TCV_Rr,TCV_Fn,<br>TCV_slot,TCV_tsc,<br>TimingAdv_r01)           |     |                         |
| 28                                                                                                                                                                                                                                                                                                                                                                                    | ACTIVATE(OtherEventsFail)                                                                             |                                                                          |     | Restore Normal default  |
| 29                                                                                                                                                                                                                                                                                                                                                                                    | +TmsiReallocation(MiTmsi_01, C_lacellA)                                                               | CmreReq_03                                                               |     |                         |
| 30                                                                                                                                                                                                                                                                                                                                                                                    | <b>Itree_check_tmsi_imsi</b><br>+PreEstRRC_MM(MiTmsi_01, TCV_cks, TCV_Ccd0A, TimingAdv_r01)           |                                                                          |     |                         |
| 31                                                                                                                                                                                                                                                                                                                                                                                    | +Authentication(TCV_ch, TCV_cks)                                                                      |                                                                          |     |                         |
| 32                                                                                                                                                                                                                                                                                                                                                                                    | +TmsiReallocation(Milmsi_31, C_lacellA)                                                               |                                                                          |     |                         |
| 33                                                                                                                                                                                                                                                                                                                                                                                    | +ChanRel(TCV_ch)                                                                                      |                                                                          | (P) |                         |
| 34                                                                                                                                                                                                                                                                                                                                                                                    | <b>Itree_check_imsidetach(ch: LOGICCH)</b><br>+ImsiDetach(Milmsi_31, ch, TimingAdv_r01)               |                                                                          |     |                         |
| 35                                                                                                                                                                                                                                                                                                                                                                                    | <b>Itree_check_luppoweron</b><br>+SwitchOnOrPowerup                                                   |                                                                          |     |                         |
| 36                                                                                                                                                                                                                                                                                                                                                                                    | +MM_LUP2(MiTmsi_01iei, Milmsi_31, TCV_lac, TCV_lac, TimingAdv_r01)                                    |                                                                          |     |                         |
| 37                                                                                                                                                                                                                                                                                                                                                                                    | <b>Itree_check_luplacchange</b><br>(TCV_lac:= C_lacellB)                                              |                                                                          |     |                         |
| 38                                                                                                                                                                                                                                                                                                                                                                                    | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                  |                                                                          |     |                         |
| 39                                                                                                                                                                                                                                                                                                                                                                                    | +StartCellA_MM2(C_Immass,TCV_slot, TCV_tsc, 5, 1, 1, 0, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O) |                                                                          |     |                         |
| 40                                                                                                                                                                                                                                                                                                                                                                                    | START T_dly(30000)                                                                                    |                                                                          |     |                         |
| 41                                                                                                                                                                                                                                                                                                                                                                                    | ?TIMEOUT T_dly                                                                                        |                                                                          |     |                         |
| 42                                                                                                                                                                                                                                                                                                                                                                                    | +MM_LUP_imsi(Milmsi_31, MiTmsi_01, TCV_lac, TimingAdv_r01)                                            |                                                                          |     |                         |
| 43                                                                                                                                                                                                                                                                                                                                                                                    | +ChanRel(TCV_ch)                                                                                      |                                                                          | (P) |                         |
| 44                                                                                                                                                                                                                                                                                                                                                                                    | <b>Itree_check_cmserveqimsi</b><br>+AttmpFullRateCall                                                 |                                                                          |     |                         |
| 45                                                                                                                                                                                                                                                                                                                                                                                    | +BasicServiceMO(TSPX_MO_BscSvc_FRCall, C_Full)                                                        |                                                                          |     |                         |
| 46                                                                                                                                                                                                                                                                                                                                                                                    | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq, msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                         | ChReq_17                                                                 |     |                         |
| 47                                                                                                                                                                                                                                                                                                                                                                                    | ACTIVATE(OtherEventsFail_02)                                                                          |                                                                          |     | To match ChReq retrans. |
| 48                                                                                                                                                                                                                                                                                                                                                                                    | L!DL_UdatRqImmass                                                                                     | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_r01) |     |                         |
| 49                                                                                                                                                                                                                                                                                                                                                                                    | L?DL_EstInCmsRq                                                                                       | CmserReq_30(Milmsi_31)                                                   | (P) |                         |
| 50                                                                                                                                                                                                                                                                                                                                                                                    | ACTIVATE(OtherEventsFail)                                                                             |                                                                          |     | Restore Normal default  |
| 51                                                                                                                                                                                                                                                                                                                                                                                    | <b>Itree_varinitA</b><br>+Varinit_fixA                                                                |                                                                          |     |                         |
| <b>Detailed Comments:</b> <ul style="list-style-type: none"> <li>0) Initial condition: no valid TMSI, test body starts here.</li> <li>1) check of purpose 2. and 3.</li> <li>2) check of purpose 5.</li> <li>3) check of purpose 7.</li> <li>4) check of purpose 6.</li> <li>5) check of purpose 1.</li> <li>6) check of purpose 1. and 7.</li> <li>7) check of purpose 4.</li> </ul> |                                                                                                       |                                                                          |     |                         |

### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_26_7_4_1                                                                                                                                                                                                                                                                                  |
| <b>Group:</b>          | GSM_L3_MS_v4160/MM/                                                                                                                                                                                                                                                                          |
| <b>Purpose:</b>        | To test the behaviour of the MS if the network accepts the location updating of the MS. For the network response three different cases are identified:<br>1) TMSI is allocated,<br>2) Location updating accept contains neither TMSI nor IMSI,<br>3) Location updating accept contains IMSI. |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                              |
| <b>Comments:</b>       | Initial Conditions of MS:<br>The MS has valid TMSI(TMSI1), CKSN(CKSN1) and Kc.It is "idle updated" on cell A.<br><br>Foreseen final state of the MS:<br>The MS has no valid TMSI and no CKSN. It is "idle updated" on cell B.                                                                |

| Nr | Label | Behaviour Description                                                                                                                                                            | CRef                                                                             | V   | Comments                |
|----|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----|-------------------------|
| 1  |       | START T_guard(300)                                                                                                                                                               |                                                                                  |     |                         |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                             |                                                                                  |     |                         |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                  |                                                                                  |     |                         |
| 4  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB)) |                                                                                  |     |                         |
| 5  |       | +IdleState_2cellMM3(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 1, '000'B, '001'B, '011'B, '01'O)                                                                       |                                                                                  |     |                         |
| 6  | body  | +Varinit_fixB                                                                                                                                                                    |                                                                                  |     |                         |
| 7  |       | +ltree_switchcelltoB_LupPag1                                                                                                                                                     |                                                                                  |     |                         |
| 8  |       | +Varinit_fixA                                                                                                                                                                    |                                                                                  |     |                         |
| 9  |       | +ltree_switchcelltoA_LupPag                                                                                                                                                      |                                                                                  |     |                         |
| 10 |       | +Varinit_fixB                                                                                                                                                                    |                                                                                  |     |                         |
| 11 |       | +ltree_switchcelltoB_LupPag2                                                                                                                                                     |                                                                                  |     |                         |
| 12 |       | +ChanRel_end(TCV_ch)                                                                                                                                                             |                                                                                  |     |                         |
|    |       | <b>ltree_switchcelltoB_LupPag1</b>                                                                                                                                               |                                                                                  |     |                         |
| 13 |       | +LowRfLev_Cellnotavail(C_CellA)                                                                                                                                                  |                                                                                  |     |                         |
| 14 |       | +MM_LUP2(MiTmsi_02iei, MiTmsi_01, C_lacellA, C_lacellB, TimingAdv_r01)                                                                                                           |                                                                                  |     |                         |
| 15 |       | +WaitForInService                                                                                                                                                                |                                                                                  |     |                         |
| 16 |       | +PreEstRRC_MM(MiTmsi_02, TCV_cksn, TCV_Ccd0A, TimingAdv_r01)                                                                                                                     |                                                                                  |     |                         |
| 17 |       | +ChanRel(TCV_ch)                                                                                                                                                                 |                                                                                  |     |                         |
|    |       | <b>ltree_switchcelltoA_LupPag</b>                                                                                                                                                |                                                                                  |     |                         |
| 18 |       | +ChangeRfLev_2Cells(C_CellA, 63, C_CellB, 53)                                                                                                                                    |                                                                                  |     |                         |
| 19 |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                     | ChReq_09                                                                         |     |                         |
| 20 |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                     |                                                                                  |     | To match ChReq retrans. |
| 21 |       | LIDL_UdatRqImmass                                                                                                                                                                | ImmAss_20(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_r01) |     |                         |
| 22 |       | L?DL_EstInLupRq                                                                                                                                                                  | LocUp_30(MiTmsi_02, TCV_ch, C_lacellB, TCV_cksn)                                 |     |                         |
| 23 |       | ACTIVATE(OtherEventsFail)                                                                                                                                                        |                                                                                  |     | Restore Normal default  |
| 24 |       | LIDL_DatRqLupAcp                                                                                                                                                                 | LocAcp_32(TCV_ch, C_lacellA)                                                     | (P) |                         |
| 25 |       | +ChanRel(TCV_ch)                                                                                                                                                                 |                                                                                  |     |                         |
| 26 |       | +WaitForInService                                                                                                                                                                |                                                                                  |     |                         |
| 27 |       | +PreEstRRC_MM(MiTmsi_02, TCV_cksn, TCV_Ccd0A, TimingAdv_r01)                                                                                                                     |                                                                                  |     |                         |
| 28 |       | +ChanRel(TCV_ch)                                                                                                                                                                 |                                                                                  |     |                         |

|                           |                                                                                     |                                                                                              |     |                         |
|---------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----|-------------------------|
| 29                        | <b>Itree_switchcelltoB_LupPag2</b>                                                  |                                                                                              |     |                         |
| 30                        | +LowRfLev_Cellnotavail(C_CellA)                                                     |                                                                                              |     |                         |
| 31                        | L?DL_RaclnChRq (TCV_Rr := DL_RaclnChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaclnChRq.fn) | ChReq_09                                                                                     |     |                         |
| 32                        | ACTIVATE(OtherEventsFail_02)<br>LIDL_UdatRqImmss                                    | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>TimingAdv_r01) |     | To match ChReq retrans. |
| 33                        | L?DL_EstInLupRq                                                                     | LocUp_30(MiTmsi_02<br>, TCV_ch, C_lacellA,<br>TCV_cksn)                                      |     |                         |
| 34                        | ACTIVATE(OtherEventsFail)                                                           |                                                                                              |     | Restore Normal default  |
| 35                        | LIDL_DatRqLupAcp                                                                    | LocAcp_30(Milmsi_0<br>1iei, TCV_ch,<br>C_lacellA)                                            | (P) |                         |
| 36                        | +ChanRel(TCV_ch)                                                                    |                                                                                              |     |                         |
| 37                        | +WaitForInService                                                                   |                                                                                              |     |                         |
| 38                        | +MM_no_paging(MiTmsi_02, 5000,<br>TCV_Ccd0B)                                        |                                                                                              |     |                         |
| 39                        | +PreEstRRC_MM( Milmsi_01,<br>TCV_cksn, TCV_Ccd0A,<br>TimingAdv_r01)                 |                                                                                              |     |                         |
| <b>Detailed Comments:</b> |                                                                                     |                                                                                              |     |                         |

| Test Case Dynamic Behaviour                                                                                                                                                                                                  |       |                                                                                                            |      |   |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Case Name:</b> TC_26_7_4_2_1                                                                                                                                                                                         |       |                                                                                                            |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/MM/                                                                                                                                                                                            |       |                                                                                                            |      |   |          |
| <b>Purpose:</b> To test the behaviour of the MS if the network rejects the location updating of the MS with the cause "IMSI unknown in HLR", "illegal MS" or "Illegal ME".                                                   |       |                                                                                                            |      |   |          |
| <b>Default:</b> OtherEventsFail                                                                                                                                                                                              |       |                                                                                                            |      |   |          |
| <b>Comments:</b> Initial Conditions of MS:<br>The MS has no valid TMSI and no CKSN. It is "idle updated" on cell A.<br>Foreseen final state of the MS:<br>The MS has valid TMSI and no CKSN. It is "idle updated" on cell A. |       |                                                                                                            |      |   |          |
| Nr                                                                                                                                                                                                                           | Label | Behaviour Description                                                                                      | CRef | V | Comments |
| 1                                                                                                                                                                                                                            |       | START T_guard(1500)                                                                                        |      |   |          |
| 2                                                                                                                                                                                                                            |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                       |      |   |          |
| 3                                                                                                                                                                                                                            |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)            |      |   |          |
| 4                                                                                                                                                                                                                            |       | +Varinit_fixA                                                                                              |      |   |          |
| 5                                                                                                                                                                                                                            |       | (TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB))                                              |      |   |          |
| 6                                                                                                                                                                                                                            |       | +IdleState_2cellMM3(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 1, '000'B, '001'B, '011'B, '01'O) |      |   |          |
| 7                                                                                                                                                                                                                            | body  | +ltree_switchcelltoB                                                                                       |      |   |          |
| 8                                                                                                                                                                                                                            |       | +MM_LupRej(C_rc_imsiunknownhrl, TimingAdv_r01)                                                             |      |   |          |
| 9                                                                                                                                                                                                                            |       | +ltree_main                                                                                                |      |   |          |
| 10                                                                                                                                                                                                                           |       | +ChanRel(TCV_ch)                                                                                           |      |   |          |
| 11                                                                                                                                                                                                                           |       | +continue                                                                                                  |      |   |          |
|                                                                                                                                                                                                                              |       | <b>continue</b>                                                                                            |      |   |          |
| 12                                                                                                                                                                                                                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                       |      |   |          |
| 13                                                                                                                                                                                                                           |       | +IdleState_2cellMM2(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O) |      |   |          |
| 14                                                                                                                                                                                                                           |       | +ltree_switchcelltoB                                                                                       |      |   |          |
| 15                                                                                                                                                                                                                           |       | +MM_LupRej(C_rc_illegal_ms, TimingAdv_r01)                                                                 |      |   |          |
| 16                                                                                                                                                                                                                           |       | +ltree_main                                                                                                |      |   |          |
| 17                                                                                                                                                                                                                           |       | +ChanRel(TCV_ch)                                                                                           |      |   |          |
| 18                                                                                                                                                                                                                           |       | +IdleState_2cellMM2(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O) |      |   |          |
| 19                                                                                                                                                                                                                           |       | +ltree_switchcelltoB                                                                                       |      |   |          |
| 20                                                                                                                                                                                                                           |       | +MM_LupRej(C_rc_illegal_me, TimingAdv_r01)                                                                 |      |   |          |
| 21                                                                                                                                                                                                                           |       | +ltree_main                                                                                                |      |   |          |
| 22                                                                                                                                                                                                                           | post  | +ChanRel_end(TCV_ch)                                                                                       |      |   |          |
|                                                                                                                                                                                                                              |       | <b>ltree_main</b>                                                                                          |      |   |          |
| 23                                                                                                                                                                                                                           |       | +ltree_switchcelltoA                                                                                       |      |   |          |
| 24                                                                                                                                                                                                                           |       | +MM_no_norm_lup(30000)                                                                                     |      |   |          |
| 25                                                                                                                                                                                                                           |       | +MM_noperiodicLup                                                                                          |      |   |          |
| 26                                                                                                                                                                                                                           |       | +MM_no_paging(Milmsi_01,3, TCV_Ccd0A)                                                                      |      |   |          |
| 27                                                                                                                                                                                                                           |       | +MM_no_paging(MiTmsi_01,3000, TCV_Ccd0A)                                                                   |      |   |          |
| 28                                                                                                                                                                                                                           |       | +MM_no_cmsservices(3000)                                                                                   |      |   |          |
| 29                                                                                                                                                                                                                           |       | +MM_check_ecall1(TimingAdv_r01)                                                                            |      |   |          |
| 30                                                                                                                                                                                                                           |       | +MM_noimsidetach(3000)                                                                                     |      |   |          |
| 31                                                                                                                                                                                                                           |       | +MM_LUPauth2(MiTmsi_01iei, Milmsi_01, C_lacdeleted, TCV_lac, C_cksnokey, TCV_cksno, TimingAdv_r01)         |      |   |          |
|                                                                                                                                                                                                                              |       | <b>ltree_switchcelltoA</b>                                                                                 |      |   |          |
| 32                                                                                                                                                                                                                           |       | +Varinit_fixA                                                                                              |      |   |          |
| 33                                                                                                                                                                                                                           |       | +LowRfLev_Cellnotavail(C_CellB)                                                                            |      |   |          |

|                           |                                                  |  |  |  |
|---------------------------|--------------------------------------------------|--|--|--|
| 34                        | Itree_switchcelltoB                              |  |  |  |
| 35                        | +Varinit_fixB<br>+LowRfLev_Cellnotavail(C_CellA) |  |  |  |
| <b>Detailed Comments:</b> |                                                  |  |  |  |



| Test Case Dynamic Behaviour                                                                                                                                                 |       |                                                                                                           |      |   |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Case Name:</b> TC_26_7_4_2_2_1                                                                                                                                      |       |                                                                                                           |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/MM/                                                                                                                                           |       |                                                                                                           |      |   |          |
| <b>Purpose:</b> To test the behaviour of the MS if the network rejects the location updating of the MS with the cause "PLMN not allowed".                                   |       |                                                                                                           |      |   |          |
| <b>Default:</b> OtherEventsFail                                                                                                                                             |       |                                                                                                           |      |   |          |
| <b>Comments:</b> Initial conditions for the Mobile Station:<br>- The MS has a valid TMSI. It is "idle updated" on cell C.<br>- The MS is in manual mode for PLMN selection. |       |                                                                                                           |      |   |          |
| Final state of the Mobile Station:<br>Idle Updated with TMSI on cell C. The MS is in automatic mode for PLMN selection.                                                     |       |                                                                                                           |      |   |          |
| Nr                                                                                                                                                                          | Label | Behaviour Description                                                                                     | CRef | V | Comments |
| 1                                                                                                                                                                           |       | START T_guard(720)                                                                                        |      |   |          |
| 2                                                                                                                                                                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                      |      |   |          |
| 3                                                                                                                                                                           |       | +IdleUpdated(C_CellC, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)           |      |   |          |
| 4                                                                                                                                                                           |       | +ltree_varinitC                                                                                           |      |   |          |
| 5                                                                                                                                                                           |       | +IdleState_cellC(C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O)            |      |   |          |
| 6                                                                                                                                                                           |       | (TCV_Null := OO_PLMNselModeMan())                                                                         |      |   |          |
| 7                                                                                                                                                                           | body  | +SwitchoffOrPowerdown                                                                                     |      |   |          |
| 8                                                                                                                                                                           |       | +StopCellC                                                                                                |      |   |          |
| 9                                                                                                                                                                           |       | +ltree_varinitB                                                                                           |      |   |          |
| 10                                                                                                                                                                          |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                      |      |   |          |
| 11                                                                                                                                                                          |       | +Start_2cellsPLMN2(C_CellB, C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 1, '000'B, '001'B, '011'B, '01'O) |      |   |          |
| 12                                                                                                                                                                          |       | +SwitchonOrPowerup                                                                                        |      |   |          |
| 13                                                                                                                                                                          |       | +ltree_plmnsel(C_PLMN_2)                                                                                  |      |   |          |
| 14                                                                                                                                                                          |       | +MM_LupRej(C_rc_plmn_not, TimingAdv_r01)                                                                  |      |   | 1)       |
| 15                                                                                                                                                                          |       | +MM_noperiodicLup                                                                                         |      |   | 2)       |
| 16                                                                                                                                                                          |       | +MM_noimsidetach(3000)                                                                                    |      |   | 3)       |
| 17                                                                                                                                                                          |       | +ltree_switchcelltoA                                                                                      |      |   |          |
| 18                                                                                                                                                                          |       | +ltree_continue                                                                                           |      |   |          |
|                                                                                                                                                                             |       | <b>ltree_continue</b>                                                                                     |      |   |          |
| 19                                                                                                                                                                          |       | +MM_no_norm_lup(60000)                                                                                    |      |   | 4)       |
| 20                                                                                                                                                                          |       | +MM_check_ecall1(TimingAdv_r01)                                                                           |      |   | 5)       |
| 21                                                                                                                                                                          |       | +MM_no_cmservices(3000)                                                                                   |      |   | 5)       |
| 22                                                                                                                                                                          |       | +SwitchoffOrPowerdown                                                                                     |      |   |          |
| 23                                                                                                                                                                          |       | +StopCellA                                                                                                |      |   |          |
| 24                                                                                                                                                                          |       | +StopCellB                                                                                                |      |   |          |
| 25                                                                                                                                                                          |       | +ltree_varinitC                                                                                           |      |   |          |
| 26                                                                                                                                                                          |       | +IdleState_cellC(C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O)            |      |   | 6)       |
| 27                                                                                                                                                                          |       | (TCV_lac:=C_lacdeleted, TCV_cksn:=C_cksn_nokey)                                                           |      |   |          |
| 28                                                                                                                                                                          |       | +SwitchonOrPowerup                                                                                        |      |   |          |
| 29                                                                                                                                                                          |       | +ltree_plmnsel2                                                                                           |      |   |          |
| 30                                                                                                                                                                          |       | +MM_LUP2(MiTmsi_01iei, Milmsi_01, TCV_lac, TCV_lac, TimingAdv_r01)                                        |      |   | 7)       |
|                                                                                                                                                                             |       | <b>ltree_switchcelltoA</b>                                                                                |      |   |          |
| 31                                                                                                                                                                          |       | +ltree_varinitA                                                                                           |      |   |          |
| 32                                                                                                                                                                          |       | +LowRfLev_Cellnotavail(C_CellB)                                                                           |      |   |          |
|                                                                                                                                                                             |       | <b>ltree_plmnsel(par_plmn:OCTETSTRING)</b>                                                                |      |   |          |

|    |                                    |  |  |  |
|----|------------------------------------|--|--|--|
| 33 | [TSPC_AutoAutoMode = FALSE]        |  |  |  |
| 34 | (TCV_Null := OO_SelPLMN(par_plmn)) |  |  |  |
|    | <b>ltree_plmnsel2</b>              |  |  |  |
| 35 | [TSPC_AutoAutoMode=FALSE]          |  |  |  |
| 36 | (TCV_Null := OO_PLMNselModeAuto()) |  |  |  |
|    | <b>ltree_varinitA</b>              |  |  |  |
| 37 | +Varinit_fixA                      |  |  |  |
|    | <b>ltree_varinitB</b>              |  |  |  |
| 38 | +Varinit_fixB                      |  |  |  |
|    | <b>ltree_varinitC</b>              |  |  |  |
| 39 | +Varinit_fixC                      |  |  |  |

**Detailed Comments:**

1) Location updating rejected with cause = PLMN not allowed.

MS shall

- 2) not perform periodic updating
- 3) not perform IMSI detach when switched off.
- 4) not perform normal location updating after switching to a new LAC in the same PLMN and when that PLMN is not selected manually.
- 5) reject any request from CM entity for MM connection other than for emergency call.
- 6) switch to a new cell with a new PLMN.
- 7) perform normal location updating after entering in a new PLMN

| Test Case Dynamic Behaviour                                                                                                                                                 |       |                                                                                                           |                                                                                  |     |                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b> TC_26_7_4_2_2_2                                                                                                                                      |       |                                                                                                           |                                                                                  |     |                         |
| <b>Group:</b> GSM_L3_MS_v4160/MM/                                                                                                                                           |       |                                                                                                           |                                                                                  |     |                         |
| <b>Purpose:</b> To test the behaviour of the MS if the network rejects the location updating of the MS with the cause "PLMN not allowed".                                   |       |                                                                                                           |                                                                                  |     |                         |
| <b>Default:</b> OtherEventsFail                                                                                                                                             |       |                                                                                                           |                                                                                  |     |                         |
| <b>Comments:</b> Initial conditions for the Mobile Station:<br>- The MS has a valid TMSI. It is "idle updated" on cell C.<br>- The MS is in manual mode for PLMN selection. |       |                                                                                                           |                                                                                  |     |                         |
| Final state of the Mobile Station:<br>Idle Updated with TMSI on cell C. The MS is in automatic mode for PLMN selection.                                                     |       |                                                                                                           |                                                                                  |     |                         |
| Nr                                                                                                                                                                          | Label | Behaviour Description                                                                                     | CRef                                                                             | V   | Comments                |
| 1                                                                                                                                                                           |       | START T_guard(720)                                                                                        |                                                                                  |     |                         |
| 2                                                                                                                                                                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                      |                                                                                  |     |                         |
| 3                                                                                                                                                                           |       | +IdleUpdated(C_CellC, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)           |                                                                                  |     |                         |
| 4                                                                                                                                                                           |       | +ltree_varinitC                                                                                           |                                                                                  |     |                         |
| 5                                                                                                                                                                           |       | +IdleState_cellC(C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O)            |                                                                                  |     |                         |
| 6                                                                                                                                                                           |       | (TCV_Null := OO_PLMNselModeMan())                                                                         |                                                                                  |     |                         |
| 7                                                                                                                                                                           | body  | +SwitchoffOrPowerdown                                                                                     |                                                                                  |     |                         |
| 8                                                                                                                                                                           |       | +StopCellC                                                                                                |                                                                                  |     |                         |
| 9                                                                                                                                                                           |       | +ltree_varinitB                                                                                           |                                                                                  |     |                         |
| 10                                                                                                                                                                          |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                      |                                                                                  |     |                         |
| 11                                                                                                                                                                          |       | +Start_2cellsPLMN2(C_CellB, C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 1, '000'B, '001'B, '011'B, '01'O) |                                                                                  |     |                         |
| 12                                                                                                                                                                          |       | +SwitchonOrPowerup                                                                                        |                                                                                  |     |                         |
| 13                                                                                                                                                                          |       | +ltree_plmnsl(C_PLMN_2)                                                                                   |                                                                                  |     |                         |
| 14                                                                                                                                                                          |       | +MM_LupRej(C_rc_plmn_not, TimingAdv_r01)                                                                  |                                                                                  |     | 1)                      |
| 15                                                                                                                                                                          |       | (TCV_lac:=C_lacdeleted, TCV_cksn:= C_cksn_nokey)                                                          |                                                                                  |     |                         |
| 16                                                                                                                                                                          |       | +ltree_continue                                                                                           |                                                                                  |     |                         |
| 17                                                                                                                                                                          |       | <b>ltree_continue</b>                                                                                     |                                                                                  |     |                         |
| 18                                                                                                                                                                          |       | (TCV_Null := OO_PLMNselModeMan())                                                                         |                                                                                  |     | 2)                      |
| 19                                                                                                                                                                          |       | (TCV_Null := OO_SelPLMN(C_PLMN_2))                                                                        |                                                                                  |     |                         |
| 20                                                                                                                                                                          |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                           | ChReq_09                                                                         |     |                         |
| 21                                                                                                                                                                          |       | ACTIVATE(OtherEventsFail_02)                                                                              |                                                                                  |     | To match ChReq retrans. |
| 22                                                                                                                                                                          |       | LIDL_UdatRqImmass                                                                                         | ImmAss_20(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_r01) |     |                         |
| 23                                                                                                                                                                          |       | L?DL_EstInLupRq                                                                                           | LocUp_30(Milmsi_01, TCV_ch, TCV_lac, TCV_cksn)                                   | (P) |                         |
| 24                                                                                                                                                                          |       | ACTIVATE(OtherEventsFail)                                                                                 |                                                                                  |     | Restore Normal default  |
| 25                                                                                                                                                                          |       | +ChanRel(TCV_ch)                                                                                          |                                                                                  |     |                         |
| 26                                                                                                                                                                          |       | +SwitchoffOrPowerdown                                                                                     |                                                                                  |     |                         |
| 27                                                                                                                                                                          |       | +StopCellA                                                                                                |                                                                                  |     |                         |
| 28                                                                                                                                                                          |       | +StopCellB                                                                                                |                                                                                  |     |                         |
| 29                                                                                                                                                                          |       | +ltree_varinitC                                                                                           |                                                                                  |     |                         |
| 30                                                                                                                                                                          |       | +IdleState_cellC(C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O)            |                                                                                  |     |                         |
|                                                                                                                                                                             |       | +ltree_continue2                                                                                          |                                                                                  |     |                         |
|                                                                                                                                                                             |       | <b>ltree_continue2</b>                                                                                    |                                                                                  |     |                         |

|                           |                                                                        |                                                                                                                                                                                                     |  |  |
|---------------------------|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 31                        | +SwitchOnOrPowerup                                                     |                                                                                                                                                                                                     |  |  |
| 32                        | +ltree_plmnsel2                                                        |                                                                                                                                                                                                     |  |  |
| 33                        | +MM_LUP2( MiTmsi_01iei, Milmsi_01, TCV_lac,<br>TCV_lac, TimingAdv_r01) |                                                                                                                                                                                                     |  |  |
|                           | <b>ltree_plmnsel(par_plmn:OCTETSTRING)</b>                             |                                                                                                                                                                                                     |  |  |
| 34                        | [TSPC_AutoAutoMode=FALSE]                                              |                                                                                                                                                                                                     |  |  |
| 35                        | (TCV_Null := OO_SelPLMN(par_plmn))                                     |                                                                                                                                                                                                     |  |  |
|                           | <b>ltree_plmnsel2</b>                                                  |                                                                                                                                                                                                     |  |  |
| 36                        | [TSPC_AutoAutoMode=FALSE]                                              |                                                                                                                                                                                                     |  |  |
| 37                        | (TCV_Null := OO_PLMNselModeAuto())                                     |                                                                                                                                                                                                     |  |  |
|                           | <b>ltree_varinitC</b>                                                  |                                                                                                                                                                                                     |  |  |
| 38                        | +Varinit_fixC                                                          |                                                                                                                                                                                                     |  |  |
|                           | <b>ltree_varinitB</b>                                                  |                                                                                                                                                                                                     |  |  |
| 39                        | +Varinit_fixB                                                          |                                                                                                                                                                                                     |  |  |
| <b>Detailed Comments:</b> |                                                                        | 1) Location updating rejected with cause = PLMN not allowed.<br>2) MS shall perform normal location updating after switching to a new LAC in the same PLMN and when that PLMN is selected manually. |  |  |

| Test Case Dynamic Behaviour                                                                                                                                                                                                                       |       |                                                                                                            |      |   |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Case Name:</b> TC_26_7_4_2_3                                                                                                                                                                                                              |       |                                                                                                            |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/MM/                                                                                                                                                                                                                 |       |                                                                                                            |      |   |          |
| <b>Purpose:</b> To test the behaviour of the MS if the network rejects the location updating of the MS with the cause "Location Area not allowed".<br>To test that the MS deletes the list of forbidden location areas after switching of the MS. |       |                                                                                                            |      |   |          |
| <b>Default:</b> OtherEventsFail                                                                                                                                                                                                                   |       |                                                                                                            |      |   |          |
| <b>Comments:</b> Initial conditions for the Mobile Station:<br>- The MS has a valid TMSI. It is "idle updated" on cell A.<br><br>Initial conditions for the Mobile Station:<br>- The MS has a valid TMSI. It is "idle updated" on cell A.         |       |                                                                                                            |      |   |          |
| Nr                                                                                                                                                                                                                                                | Label | Behaviour Description                                                                                      | CRef | V | Comments |
| 1                                                                                                                                                                                                                                                 |       | START T_guard(720)                                                                                         |      |   |          |
| 2                                                                                                                                                                                                                                                 |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                       |      |   |          |
| 3                                                                                                                                                                                                                                                 |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)            |      |   |          |
| 4                                                                                                                                                                                                                                                 |       | +Varinit_fixA                                                                                              |      |   |          |
| 5                                                                                                                                                                                                                                                 |       | (TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB))                                              |      |   |          |
| 6                                                                                                                                                                                                                                                 |       | +IdleState_2cellMM3(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 1, '000'B, '001'B, '011'B, '01'O) |      |   |          |
| 7                                                                                                                                                                                                                                                 | body  | +ltree_switchcelltoB                                                                                       |      |   |          |
| 8                                                                                                                                                                                                                                                 |       | +MM_LupRej(C_rc_LAnotallowed, TimingAdv_r01)                                                               |      |   | 1)       |
| 9                                                                                                                                                                                                                                                 |       | +MM_noperiodicLup                                                                                          |      |   | 2)       |
| 10                                                                                                                                                                                                                                                |       | +MM_no_paging(MiTmsi_01, 3000, TCV_Ccd0B)                                                                  |      |   | 3)       |
| 11                                                                                                                                                                                                                                                |       | +MM_no_cmsservices(3000)                                                                                   |      |   | 4)       |
| 12                                                                                                                                                                                                                                                |       | +MM_check_ecall1(TimingAdv_r01)                                                                            |      |   | 4)       |
| 13                                                                                                                                                                                                                                                |       | +MM_noimsidetach(3000)                                                                                     |      |   | 5)       |
| 14                                                                                                                                                                                                                                                |       | (TCV_lac:=C_lacdeleted, TCV_cksn:=C_cksn_nokey)                                                            |      |   |          |
| 15                                                                                                                                                                                                                                                |       | +MM_LupRej2(C_rc_LAnotallowed, Milmsi_01, TCV_lac, TimingAdv_r01)                                          |      |   | 6)       |
| 16                                                                                                                                                                                                                                                |       | +ltree_switchcelltoA                                                                                       |      |   |          |
| 17                                                                                                                                                                                                                                                |       | +MM_LUPAuth1(MiTmsi_01iei, TCV_lac, TCV_cksn, TimingAdv_r01)                                               |      |   | 7)       |
| 18                                                                                                                                                                                                                                                |       | +ChanRel_end(TCV_ch)                                                                                       |      |   |          |
| 19                                                                                                                                                                                                                                                |       | <b>ltree_switchcelltoA</b>                                                                                 |      |   |          |
| 20                                                                                                                                                                                                                                                |       | +Varinit_fixA<br>+LowRfLev_Cellnotavail(C_CellB)                                                           |      |   |          |
| 21                                                                                                                                                                                                                                                |       | <b>ltree_switchcelltoB</b>                                                                                 |      |   |          |
| 22                                                                                                                                                                                                                                                |       | +Varinit_fixB<br>+LowRfLev_Cellnotavail(C_CellA)                                                           |      |   |          |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                         |       |                                                                                                            |      |   |          |
| 1) Reject of Location Updating with the cause Location Area is not allowed.                                                                                                                                                                       |       |                                                                                                            |      |   |          |
| MS shall                                                                                                                                                                                                                                          |       |                                                                                                            |      |   |          |
| 2) not perform periodic updating                                                                                                                                                                                                                  |       |                                                                                                            |      |   |          |
| 3) not perform paging with TMSI                                                                                                                                                                                                                   |       |                                                                                                            |      |   |          |
| 4) reject any request from CM entity for MM connection other than for emergency call.                                                                                                                                                             |       |                                                                                                            |      |   |          |
| 5) not perform IMSI detach when switched off.                                                                                                                                                                                                     |       |                                                                                                            |      |   |          |
| 6) delete list of forbidden LAs after switch off and perform normal location updating                                                                                                                                                             |       |                                                                                                            |      |   |          |
| 7) perform normal location updating after entering in a new Location Area.                                                                                                                                                                        |       |                                                                                                            |      |   |          |

| Test Case Dynamic Behaviour                                                                                                                                                                                                                                                                                                                                                                           |       |                                                                                                           |                                                                                  |     |                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b> TC_26_7_4_2_4_1                                                                                                                                                                                                                                                                                                                                                                |       |                                                                                                           |                                                                                  |     |                         |
| <b>Group:</b> GSM_L3_MS_v4160/MM/                                                                                                                                                                                                                                                                                                                                                                     |       |                                                                                                           |                                                                                  |     |                         |
| <b>Purpose:</b> Test purpose 1                                                                                                                                                                                                                                                                                                                                                                        |       |                                                                                                           |                                                                                  |     |                         |
| To test that on receipt of a rejection using the Roaming cause code, the MS ceases trying to update on that cell, that this situation continues for at least one periodic location interval period, and that the corresponding list is re-set by powering down the MS (the requirement in TS GSM 04.08 is that the list shall be retained for at least 12 hours. This aspect is not formally tested). |       |                                                                                                           |                                                                                  |     |                         |
| <b>Default:</b> OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                       |       |                                                                                                           |                                                                                  |     |                         |
| <b>Comments:</b> This testcase includes only the procedure of part 1 of GSM 11.10-1, section 26.7.4.2.4.                                                                                                                                                                                                                                                                                              |       |                                                                                                           |                                                                                  |     |                         |
| Initial Conditions of MS:<br>The MS has valid TMSI, CKSN and Kc.It is "idle updated" on cell B.                                                                                                                                                                                                                                                                                                       |       |                                                                                                           |                                                                                  |     |                         |
| Foreseen final state of the MS:<br>The MS has no valid TMSI and no CKSN. It is "idle updated" on cell A.                                                                                                                                                                                                                                                                                              |       |                                                                                                           |                                                                                  |     |                         |
| Nr                                                                                                                                                                                                                                                                                                                                                                                                    | Label | Behaviour Description                                                                                     | CRef                                                                             | V   | Comments                |
| 1                                                                                                                                                                                                                                                                                                                                                                                                     |       | START T_guard(720)                                                                                        |                                                                                  |     |                         |
| 2                                                                                                                                                                                                                                                                                                                                                                                                     |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                      |                                                                                  |     |                         |
| 3                                                                                                                                                                                                                                                                                                                                                                                                     |       | +IdleUpdated(C_CellB, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)           |                                                                                  |     |                         |
| 4                                                                                                                                                                                                                                                                                                                                                                                                     |       | +ltree_varinitB                                                                                           |                                                                                  |     |                         |
| 5                                                                                                                                                                                                                                                                                                                                                                                                     |       | +IdleState_2cellMM(C_CellB, C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 1, '000'B, '001'B, '011'B, '01'O) |                                                                                  |     |                         |
| 6                                                                                                                                                                                                                                                                                                                                                                                                     | body  | +ltree_switchcelltoA                                                                                      |                                                                                  |     |                         |
| 7                                                                                                                                                                                                                                                                                                                                                                                                     |       | +MM_LupRej(C_rc_roamingnot, TimingAdv_r01)                                                                |                                                                                  |     | 1)                      |
| 8                                                                                                                                                                                                                                                                                                                                                                                                     |       | +MM_noperiodicLup                                                                                         |                                                                                  |     | 2)                      |
| 9                                                                                                                                                                                                                                                                                                                                                                                                     |       | +SwitchoffOrPowerdown                                                                                     |                                                                                  |     | 3)                      |
| 10                                                                                                                                                                                                                                                                                                                                                                                                    |       | +SwitchonOrPowerup                                                                                        |                                                                                  |     | 3)                      |
| 11                                                                                                                                                                                                                                                                                                                                                                                                    |       | (TCV_Null := OO_PLMNselModeAuto())                                                                        |                                                                                  |     |                         |
| 12                                                                                                                                                                                                                                                                                                                                                                                                    |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                              | ChReq_09                                                                         |     | 3)                      |
| 13                                                                                                                                                                                                                                                                                                                                                                                                    |       | ACTIVATE(OtherEventsFail_02)                                                                              |                                                                                  |     | To match ChReq retrans. |
| 14                                                                                                                                                                                                                                                                                                                                                                                                    |       | LIDL_UdatRqImmass                                                                                         | ImmAss_20(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_r01) |     |                         |
| 15                                                                                                                                                                                                                                                                                                                                                                                                    |       | L?DL_EstInLupRq                                                                                           | LocUp_01                                                                         |     |                         |
| 16                                                                                                                                                                                                                                                                                                                                                                                                    |       | ACTIVATE(OtherEventsFail)                                                                                 |                                                                                  |     | Restore Normal default  |
| 17                                                                                                                                                                                                                                                                                                                                                                                                    |       | LIDL_DatRqLupAcp                                                                                          | LocAcp_31(TCV_ch, TCV_lac)                                                       | (P) | 4)                      |
| 18                                                                                                                                                                                                                                                                                                                                                                                                    |       | +ChanRel_end(TCV_ch)                                                                                      |                                                                                  |     |                         |
| 19                                                                                                                                                                                                                                                                                                                                                                                                    |       | <b>ltree_switchcelltoA</b>                                                                                |                                                                                  |     |                         |
| 20                                                                                                                                                                                                                                                                                                                                                                                                    |       | +ltree_varinitA<br>+LowRfLev_Cellnotavail(C_CellB)                                                        |                                                                                  |     |                         |
| 21                                                                                                                                                                                                                                                                                                                                                                                                    |       | <b>ltree_varinitA</b><br>+Varinit_fixA                                                                    |                                                                                  |     |                         |
| 22                                                                                                                                                                                                                                                                                                                                                                                                    |       | <b>ltree_varinitB</b><br>+Varinit_fixB                                                                    |                                                                                  |     |                         |
| <b>Detailed Comments:</b> 1) Reject of Location Updating with the cause Roaming is not allowed.                                                                                                                                                                                                                                                                                                       |       |                                                                                                           |                                                                                  |     |                         |
| MS shall                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                                                                           |                                                                                  |     |                         |
| 2) not perform periodic updating                                                                                                                                                                                                                                                                                                                                                                      |       |                                                                                                           |                                                                                  |     |                         |
| 3) reset the list of "forbidden location areas for national roaming" when powered down.                                                                                                                                                                                                                                                                                                               |       |                                                                                                           |                                                                                  |     |                         |
| 4) Location Updating Accept with LAI belonging to PLMN2 and without Mobile Identity.                                                                                                                                                                                                                                                                                                                  |       |                                                                                                           |                                                                                  |     |                         |

| Test Case Dynamic Behaviour                                                                                                                           |       |                                                                                                           |      |   |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Case Name:</b> TC_26_7_4_2_4_2                                                                                                                |       |                                                                                                           |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/MM/                                                                                                                     |       |                                                                                                           |      |   |          |
| <b>Purpose:</b> Test purpose 2                                                                                                                        |       |                                                                                                           |      |   |          |
| To test that if no cell is available, the MS does not answer to paging with TMSI, rejects a request from CM entity except other than emergency calls. |       |                                                                                                           |      |   |          |
| <b>Default:</b> OtherEventsFail                                                                                                                       |       |                                                                                                           |      |   |          |
| <b>Comments:</b> This testcase includes only the procedure of part 2 of GSM 11.10-1, section 26.7.4.2.4.                                              |       |                                                                                                           |      |   |          |
| Initial Conditions of MS:<br>The MS has valid TMSI, CKSN and Kc.It is "idle updated" on cell B.                                                       |       |                                                                                                           |      |   |          |
| Foreseen final state of the MS:<br>The MS has no valid TMSI and no CKSN. It is in the "limited service" state on cell A.                              |       |                                                                                                           |      |   |          |
| Nr                                                                                                                                                    | Label | Behaviour Description                                                                                     | CRef | V | Comments |
| 1                                                                                                                                                     |       | START T_guard(360)                                                                                        |      |   |          |
| 2                                                                                                                                                     |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                      |      |   |          |
| 3                                                                                                                                                     |       | +IdleUpdated(C_CellB, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)           |      |   |          |
| 4                                                                                                                                                     |       | +Varinit_fixB                                                                                             |      |   |          |
| 5                                                                                                                                                     |       | +IdleState_2cellMM(C_CellB, C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 1, '000'B, '001'B, '011'B, '01'O) |      |   |          |
| 6                                                                                                                                                     |       | +ltree_body                                                                                               |      |   |          |
| <b>ltree_body</b>                                                                                                                                     |       |                                                                                                           |      |   |          |
| 7                                                                                                                                                     |       | +ltree_switchcelltoA_Cellavail                                                                            |      |   |          |
| 8                                                                                                                                                     |       | +MM_LupRej(C_rc_roamingnot, TimingAdv_r01)                                                                |      |   | 1)       |
| 9                                                                                                                                                     |       | +Varinit_fixB                                                                                             |      |   |          |
| 10                                                                                                                                                    |       | +MM_LupRej(C_rc_roamingnot, TimingAdv_r01)                                                                |      |   | 2)       |
| 11                                                                                                                                                    |       | +MM_no_norm_lup(120000)                                                                                   |      |   | 4)       |
| 12                                                                                                                                                    |       | +MM_no_paging(MiTmsi_01,3000, TCV_Ccd0B)                                                                  |      |   | 3b)      |
| 13                                                                                                                                                    |       | +Varinit_fixA                                                                                             |      |   |          |
| 14                                                                                                                                                    |       | +MM_no_paging( MiTmsi_01,3000, TCV_Ccd0A)                                                                 |      |   | 3a)      |
| 15                                                                                                                                                    |       | +MM_no_cmsservices(3000)                                                                                  |      |   | 4)       |
| 16                                                                                                                                                    |       | +MM_check_ecall3(TimingAdv_r01)                                                                           |      |   | 4)       |
| 17                                                                                                                                                    |       | +ChanRel_end(TCV_ch)                                                                                      |      |   |          |
| <b>ltree_switchcelltoA_Cellavail</b>                                                                                                                  |       |                                                                                                           |      |   |          |
| 18                                                                                                                                                    |       | +Varinit_fixA                                                                                             |      |   |          |
| 19                                                                                                                                                    |       | +LowRfLev_Cellavailable(C_CellB)                                                                          |      |   |          |
| <b>Detailed Comments:</b>                                                                                                                             |       |                                                                                                           |      |   |          |
| 1) Reject of Location Updating with the cause Roaming is not allowed.                                                                                 |       |                                                                                                           |      |   |          |
| MS shall                                                                                                                                              |       |                                                                                                           |      |   |          |
| 2) perform normal updating when a new location area is entered.                                                                                       |       |                                                                                                           |      |   |          |
| 3a) not respond to paging with TMSI in cell a.                                                                                                        |       |                                                                                                           |      |   |          |
| 3b) not respond to paging with TMSI in cell b.                                                                                                        |       |                                                                                                           |      |   |          |
| 4) reject any request from CM entity for MM connection other than for emergency call.                                                                 |       |                                                                                                           |      |   |          |

| Test Case Dynamic Behaviour          |       |                                                                                                                                                                                                                                                                                                                |      |   |          |
|--------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Case Name:</b>               |       | TC_26_7_4_2_4_3                                                                                                                                                                                                                                                                                                |      |   |          |
| <b>Group:</b>                        |       | GSM_L3_MS_v4160/MM/                                                                                                                                                                                                                                                                                            |      |   |          |
| <b>Purpose:</b>                      |       | Test purpose 3<br>To test that at least 6 entries can be held in the list of "forbidden location areas for roaming" (the requirement in TS GSM 04.08 is to store at least 10 entries. This is not fully tested by the this procedure).                                                                         |      |   |          |
| <b>Default:</b>                      |       | OtherEventsFail                                                                                                                                                                                                                                                                                                |      |   |          |
| <b>Comments:</b>                     |       | This testcase includes only the procedure of part 3 of GSM 11.10-1, section 26.7.4.2.4.<br><br>Initial Conditions of MS:<br>The MS has valid TMSI, CKSN and Kc.It is "idle updated" on cell B.<br><br>Foreseen final state of the MS:<br>The MS has no valid TMSI and no CKSN. It is "idle updated" on cell A. |      |   |          |
| Nr                                   | Label | Behaviour Description                                                                                                                                                                                                                                                                                          | CRef | V | Comments |
| 1                                    |       | START T_guard(1020)                                                                                                                                                                                                                                                                                            |      |   |          |
| 2                                    |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                           |      |   |          |
| 3                                    |       | +IdleUpdated(C_CellB, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                |      |   |          |
| 4                                    |       | +ltree_varinitB                                                                                                                                                                                                                                                                                                |      |   |          |
| 5                                    |       | +IdleState_2cellMM(C_CellB, C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 1, '000'B, '001'B, '011'B, '01'O)                                                                                                                                                                                                      |      |   |          |
| 6                                    | body  | +ltree_switchcelltoA_Cellavail                                                                                                                                                                                                                                                                                 |      |   |          |
| 7                                    |       | +MM_LupRej(C_rc_roamingnot, TimingAdv_r01)                                                                                                                                                                                                                                                                     |      |   | 1)       |
| 8                                    |       | +ltree_varinitB                                                                                                                                                                                                                                                                                                |      |   |          |
| 9                                    |       | +MM_LupRej(C_rc_roamingnot, TimingAdv_r01)                                                                                                                                                                                                                                                                     |      |   | 2)       |
| 10                                   |       | +ltree_varinitA                                                                                                                                                                                                                                                                                                |      |   |          |
| 11                                   |       | +ChgLAC_A(C_LAC_3,1, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                            |      |   |          |
| 12                                   |       | +MM_LupRej(C_rc_roamingnot, TimingAdv_r01)                                                                                                                                                                                                                                                                     |      |   | 2)       |
| 13                                   |       | +ltree_continue                                                                                                                                                                                                                                                                                                |      |   |          |
| <b>ltree_continue</b>                |       |                                                                                                                                                                                                                                                                                                                |      |   |          |
| 14                                   |       | +ltree_varinitB                                                                                                                                                                                                                                                                                                |      |   |          |
| 15                                   |       | +ChgLAC_B(C_LAC_4, 1, '000'B, '001'B, '011'B, '01'O)                                                                                                                                                                                                                                                           |      |   |          |
| 16                                   |       | +MM_LupRej(C_rc_roamingnot, TimingAdv_r01)                                                                                                                                                                                                                                                                     |      |   | 2)       |
| 17                                   |       | +ChgLAC_A(C_LAC_5, 1, '000'B, '001'B, '011'B, '01'O)                                                                                                                                                                                                                                                           |      |   |          |
| 18                                   |       | +MM_LupRej(C_rc_roamingnot, TimingAdv_r01)                                                                                                                                                                                                                                                                     |      |   | 2)       |
| 19                                   |       | +ltree_varinitB                                                                                                                                                                                                                                                                                                |      |   |          |
| 20                                   |       | +ChgLAC_B(C_LAC_6, 1, '000'B, '001'B, '011'B, '01'O)                                                                                                                                                                                                                                                           |      |   |          |
| 21                                   |       | +MM_LupRej(C_rc_roamingnot, TimingAdv_r01)                                                                                                                                                                                                                                                                     |      |   | 2)       |
| 22                                   |       | START T_dly(420000)                                                                                                                                                                                                                                                                                            |      |   | 3)       |
| 23                                   |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                 |      | P |          |
| <b>ltree_switchcelltoA_Cellavail</b> |       |                                                                                                                                                                                                                                                                                                                |      |   |          |
| 24                                   |       | +ltree_varinitA                                                                                                                                                                                                                                                                                                |      |   |          |
| 25                                   |       | +LowRfLev_Cellavailable(C_CellB)                                                                                                                                                                                                                                                                               |      |   |          |
| <b>ltree_varinitA</b>                |       |                                                                                                                                                                                                                                                                                                                |      |   |          |
| 26                                   |       | +Varinit_fixA                                                                                                                                                                                                                                                                                                  |      |   |          |
| <b>ltree_varinitB</b>                |       |                                                                                                                                                                                                                                                                                                                |      |   |          |
| 27                                   |       | +Varinit_fixB                                                                                                                                                                                                                                                                                                  |      |   |          |
| <b>Detailed Comments:</b>            |       | 1) Reject of Location Updating with the cause Roaming is not allowed.                                                                                                                                                                                                                                          |      |   |          |



- MS shall
- 2) perform normal updating when a new location area is entered.
  - 3) not perform periodic updating

### Test Case Dynamic Behaviour

**Test Case Name:** TC\_26\_7\_4\_2\_4\_4  
**Group:** GSM\_L3\_MS\_v4160/MM/  
**Purpose:** Test purpose 4  
 To test that if a cell of the Home PLMN is available then the MS returns to it in preference to any other available cell.  
**Default:** OtherEventsFail  
**Comments:** This testcase includes only the procedure of part 4 of GSM 11.10-1, section 26.7.4.2.4.

Initial Conditions of MS:  
 The MS has valid TMSI, CKSN and Kc.It is "idle updated" on cell A.

Foreseen final state of the MS:  
 The MS has no valid TMSI and no CKSN. It is "idle updated" on cell C.

| Nr | Label | Behaviour Description                                                                                                                                                                 | CRef | V | Comments |
|----|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| 1  |       | START T_guard(960)                                                                                                                                                                    |      |   |          |
| 2  |       | +Varinit_fixA                                                                                                                                                                         |      |   |          |
| 3  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                  |      |   |          |
| 4  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                       |      |   |          |
| 5  |       | (TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB), TCV_sacch_C := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellC)) |      |   |          |
| 6  |       | +IdleState_3cellMMA(C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 1, '000'B, '001'B, '011'B, '01'O)                                                                                     |      |   |          |
| 7  |       | +MM_LUPper(TCV_lac, TimingAdv_r01)                                                                                                                                                    |      |   | 1)       |
| 8  |       | +ChgLAI_C(C_PLMN_Home, 1, '000'B, '001'B, '011'B, '01'O)                                                                                                                              |      |   | 2)       |
| 9  |       | +MM_LUPperrej(C_rc_roamingnot, TimingAdv_r01)                                                                                                                                         |      |   | 3)       |
| 10 |       | +Varinit_fixC                                                                                                                                                                         |      |   |          |
| 11 |       | +MM_LUP3(C_PLMN_Home, TCV_lac, TimingAdv_r01)                                                                                                                                         |      |   | 4)       |

**Detailed Comments:**

- 1) Periodic Updating in cell A.
- 2) LAI change to HPLMN
- 3) Reject of Periodic Location Updating with the cause Roaming is not allowed in cell A.
- 4) MS shall periodically search to Home PLMN.

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                |                                                                                  |     |                         |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_7_4_2_4_5                                                                                                                                                                                                                                                                                                |                                                                                  |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/MM/                                                                                                                                                                                                                                                                                            |                                                                                  |     |                         |
| <b>Purpose:</b>             |       | Test purpose 5<br>To test that if the SIM is removed the list of "forbidden location areas for roaming" is cleared.                                                                                                                                                                                            |                                                                                  |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                |                                                                                  |     |                         |
| <b>Comments:</b>            |       | This testcase includes only the procedure of part 5 of GSM 11.10-1, section 26.7.4.2.4.<br><br>Initial Conditions of MS:<br>The MS has valid TMSI, CKSN and Kc.It is "idle updated" on cell B.<br><br>Foreseen final state of the MS:<br>The MS has no valid TMSI and no CKSN. It is "idle updated" on cell A. |                                                                                  |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                          | CRef                                                                             | V   | Comments                |
| 1                           |       | [TSPC_SIMRmv = TRUE]                                                                                                                                                                                                                                                                                           |                                                                                  |     |                         |
| 2                           |       | START T_guard(720)                                                                                                                                                                                                                                                                                             |                                                                                  |     |                         |
| 3                           |       | +ltree_varinitB                                                                                                                                                                                                                                                                                                |                                                                                  |     |                         |
| 4                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                           |                                                                                  |     |                         |
| 5                           |       | +IdleUpdated(C_CellA, C_Immss, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                 |                                                                                  |     |                         |
| 6                           |       | +IdleState_2cellMM(C_CellB, C_Immss, TCV_slot, TCV_tsc, TimingAdv_r01, 1, '000'B, '001'B, '011'B, '01'O)                                                                                                                                                                                                       |                                                                                  |     |                         |
| 7                           | body  | +ltree_switchcelltoA_Cellavailable                                                                                                                                                                                                                                                                             |                                                                                  |     |                         |
| 8                           |       | +MM_LupRej(C_rc_roamingnot, TimingAdv_r01)                                                                                                                                                                                                                                                                     |                                                                                  |     | 1)                      |
| 9                           |       | +MM_noperiodicLup                                                                                                                                                                                                                                                                                              |                                                                                  |     |                         |
| 10                          |       | +RemoveSIM                                                                                                                                                                                                                                                                                                     |                                                                                  |     | 2)                      |
| 11                          |       | START T_dly(3000)                                                                                                                                                                                                                                                                                              |                                                                                  |     |                         |
| 12                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                 |                                                                                  | (P) |                         |
| 13                          |       | +InsertSIM                                                                                                                                                                                                                                                                                                     |                                                                                  |     | 3)                      |
| 14                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq, msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                  | ChReq_09                                                                         |     | 4)                      |
| 15                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                   |                                                                                  |     | To match ChReq retrans. |
| 16                          |       | L!DL_UdatRqImmss                                                                                                                                                                                                                                                                                               | ImmAss_20(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_r01) |     |                         |
| 17                          |       | L?DL_EstInLupRq                                                                                                                                                                                                                                                                                                | LocUp_02                                                                         |     |                         |
| 18                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                      |                                                                                  |     | Restore Normal default  |
| 19                          |       | LIDL_DatRqLupAcp                                                                                                                                                                                                                                                                                               | LocAcp_32(TCV_ch, TCV_lac)                                                       | (P) | no MI                   |
| 20                          |       | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                           |                                                                                  |     |                         |
| 21                          |       | [TSPC_SIMRmv = FALSE]                                                                                                                                                                                                                                                                                          |                                                                                  | I   |                         |
| 22                          |       | <b>ltree_switchcelltoA_Cellavailable</b><br>+ltree_varinitA                                                                                                                                                                                                                                                    |                                                                                  |     |                         |
| 23                          |       | +LowRfLev_Cellavailable(C_CellB)                                                                                                                                                                                                                                                                               |                                                                                  |     |                         |
| 24                          |       | <b>ltree_varinitA</b><br>+Varinit_fixA                                                                                                                                                                                                                                                                         |                                                                                  |     |                         |
| 25                          |       | <b>ltree_varinitB</b><br>+Varinit_fixB                                                                                                                                                                                                                                                                         |                                                                                  |     |                         |
| <b>Detailed Comments:</b>   |       | 1) Reject of Location Updating in cell B.<br>2) The SIM is removed.<br>3) The SIM is inserted<br>4) The MS shall reset the list of "forbidden location areas for roaming" when SIM is removed.                                                                                                                 |                                                                                  |     |                         |

| Test Case Dynamic Behaviour                                                                                                                                                                                                                                                                                             |       |                                                                                                            |          |     |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------|----------|-----|----------|
| <b>Test Case Name:</b> TC_26_7_4_3_1                                                                                                                                                                                                                                                                                    |       |                                                                                                            |          |     |          |
| <b>Group:</b> GSM_L3_MS_v4160/MM/                                                                                                                                                                                                                                                                                       |       |                                                                                                            |          |     |          |
| <b>Purpose:</b> To verify that when during the RR connection establishment phase of a location updating procedure, channel requests are not answered by the network, after expiry of T3213 (= 4s in Phase 2) and when the cell reselection procedure is finished the complete procedure is repeated if still necessary. |       |                                                                                                            |          |     |          |
| <b>Default:</b> OtherEventsFail                                                                                                                                                                                                                                                                                         |       |                                                                                                            |          |     |          |
| <b>Comments:</b> Initial Conditions of MS:<br>The MS has valid TMSI, CKSN and Kc.It is "idle updated" on cell B.<br><br>Foreseen final state of the MS:<br>The MS has no valid TMSI and no CKSN. It is "idle updated" on cell A.                                                                                        |       |                                                                                                            |          |     |          |
| Nr                                                                                                                                                                                                                                                                                                                      | Label | Behaviour Description                                                                                      | CRef     | V   | Comments |
| 1                                                                                                                                                                                                                                                                                                                       |       | START T_guard(300)                                                                                         |          |     |          |
| 2                                                                                                                                                                                                                                                                                                                       |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                       |          |     |          |
| 3                                                                                                                                                                                                                                                                                                                       |       | +IdleUpdated(C_CellB, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)            |          |     |          |
| 4                                                                                                                                                                                                                                                                                                                       |       | +ltree_varinitB                                                                                            |          |     |          |
| 5                                                                                                                                                                                                                                                                                                                       |       | +IdleState_2cellMM2(C_CellB, C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O) |          |     |          |
| 6                                                                                                                                                                                                                                                                                                                       | body  | +ltree_switchcelltoA_Cellavailable                                                                         |          |     | 1)       |
| 7                                                                                                                                                                                                                                                                                                                       |       | (TCV_Cnt:=0)                                                                                               |          |     |          |
| 8                                                                                                                                                                                                                                                                                                                       |       | REPEAT ltree_ra UNTIL [TCV_Cnt = (TSPX_MaxRetrans+1)]                                                      |          |     | 2)       |
| 9                                                                                                                                                                                                                                                                                                                       |       | START T_dly(4000)                                                                                          |          |     |          |
| 10                                                                                                                                                                                                                                                                                                                      |       | ?TIMEOUT T_dly                                                                                             |          | (P) | 3)       |
| 11                                                                                                                                                                                                                                                                                                                      |       | +MM_LUP_imsi1(MiTmsi_01, C_lacellB, TCV_lac, TimingAdv_r01)                                                |          |     | 4)       |
| 12                                                                                                                                                                                                                                                                                                                      |       | +ChanRel(TCV_ch)                                                                                           |          |     |          |
| 13                                                                                                                                                                                                                                                                                                                      |       | +ltree_switchcelltoB                                                                                       |          |     | 5)       |
| 14                                                                                                                                                                                                                                                                                                                      |       | (TCV_Cnt:=0)                                                                                               |          |     |          |
| 15                                                                                                                                                                                                                                                                                                                      |       | REPEAT ltree_ra UNTIL [TCV_Cnt = (TSPX_MaxRetrans+1)]                                                      |          |     | 6)       |
| 16                                                                                                                                                                                                                                                                                                                      |       | +ltree_cellA_available                                                                                     |          |     | 7)       |
| 17                                                                                                                                                                                                                                                                                                                      |       | START T_dly(6000)                                                                                          |          |     |          |
| 18                                                                                                                                                                                                                                                                                                                      |       | ?TIMEOUT T_dly                                                                                             |          | P   | 8)       |
| <b>ltree_switchcelltoA_Cellavailable</b>                                                                                                                                                                                                                                                                                |       |                                                                                                            |          |     |          |
| 19                                                                                                                                                                                                                                                                                                                      |       | +ltree_varinitA                                                                                            |          |     |          |
| 20                                                                                                                                                                                                                                                                                                                      |       | +LowRfLev_Cellavailable(C_CellB)                                                                           |          |     |          |
| <b>ltree_cellA_available</b>                                                                                                                                                                                                                                                                                            |       |                                                                                                            |          |     |          |
| 21                                                                                                                                                                                                                                                                                                                      |       | +ltree_varinitA                                                                                            |          |     |          |
| 22                                                                                                                                                                                                                                                                                                                      |       | +IncrRfLev_Cellavail( C_CellA)                                                                             |          |     |          |
| 23                                                                                                                                                                                                                                                                                                                      |       | +LowRfLev_Cellavailable(C_CellB)                                                                           |          |     |          |
| <b>ltree_switchcelltoB</b>                                                                                                                                                                                                                                                                                              |       |                                                                                                            |          |     |          |
| 24                                                                                                                                                                                                                                                                                                                      |       | +ltree_varinitB                                                                                            |          |     |          |
| 25                                                                                                                                                                                                                                                                                                                      |       | +LowRfLev_Cellavailable(C_CellA)                                                                           |          |     |          |
| 26                                                                                                                                                                                                                                                                                                                      |       | +IncrRfLev_Cellavail( C_CellB)                                                                             |          |     |          |
| <b>ltree_ra</b>                                                                                                                                                                                                                                                                                                         |       |                                                                                                            |          |     |          |
| 27                                                                                                                                                                                                                                                                                                                      |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq. msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                           | ChReq_09 |     |          |
| <b>ltree_varinitA</b>                                                                                                                                                                                                                                                                                                   |       |                                                                                                            |          |     |          |
| 28                                                                                                                                                                                                                                                                                                                      |       | +Varinit_fixA                                                                                              |          |     |          |
| <b>ltree_varinitB</b>                                                                                                                                                                                                                                                                                                   |       |                                                                                                            |          |     |          |
| 29                                                                                                                                                                                                                                                                                                                      |       | +Varinit_fixB                                                                                              |          |     |          |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                               |       |                                                                                                            |          |     |          |
| 1) MS shall selects cell A, cell B is not available.                                                                                                                                                                                                                                                                    |       |                                                                                                            |          |     |          |
| 2) To send Max-Retrans+1 times Channel Requests in cell A                                                                                                                                                                                                                                                               |       |                                                                                                            |          |     |          |

- 3) MS shall not try to establish a connection during a period of a cell reselection (4 seconds).
- 4) MS shall perform a normal location updating procedure as it is necessary.
- 5) Cell A is not available and MS shall switches to cell B
- 6) To send Max-Retrans+1 times Channel Requests in cell B
- 7) Cell A is available again.
- 8) MS shall not repeat the complete procedure if the original cause of the normal location updating procedure has disappeared.

| Test Case Dynamic Behaviour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |                                                                                                            |      |   |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Case Name:</b> TC_26_7_4_3_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       |                                                                                                            |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/MM/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |                                                                                                            |      |   |          |
| <b>Purpose:</b> To verify that the MS performs normal location updating procedures when its attempt counter is smaller than 4. To check that the MS does not perform the IMSI detach procedure when "idle not updated". To verify that when "idle not updated" the MS can perform an emergency call. To verify that when "idle not updated" the MS uses requests from CM layer other than emergency call as triggering of a normal location updating procedure. To verify that the MS performs a normal location updating procedure if it enters a new cell while being "idle not updated". |       |                                                                                                            |      |   |          |
| <b>Default:</b> OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |                                                                                                            |      |   |          |
| <b>Comments:</b> Initial Conditions of MS:<br>The MS has valid TMSI and CKSN. It is "idle updated" on cell A.<br><br>Foreseen final state of the MS:<br>The MS has valid TMSI and CKSN. It is "idle updated" on cell A.                                                                                                                                                                                                                                                                                                                                                                     |       |                                                                                                            |      |   |          |
| Nr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Label | Behaviour Description                                                                                      | CRef | V | Comments |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       | START T_guard(360)                                                                                         |      |   |          |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                       |      |   |          |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)            |      |   |          |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       | +ltree_varinitA                                                                                            |      |   |          |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       | (TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB))                                              |      |   |          |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       | +IdleState_2cellMM4(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 1, '000'B, '001'B, '011'B, '00'O) |      |   |          |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | body  | +ltree_confreq1                                                                                            |      |   | 1)       |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       | +ltree_confreq2                                                                                            |      |   | 2)       |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       | +ltree_confreq3                                                                                            |      |   | 3)       |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | +ltree_confreq4                                                                                            |      |   | 4)       |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | +ltree_confreq6                                                                                            |      |   | 6)       |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | +ChanRel_end(TCV_ch)                                                                                       |      |   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       | <b>ltree_confreq1</b>                                                                                      |      |   |          |
| 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | +ltree_Anotsuitable                                                                                        |      |   |          |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | +MM_LupRej2(C_rc_protocolerror, MiTmsi_01, C_lacellA, TimingAdv_r01)                                       |      |   | 1.1)     |
| 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | START T_dly(C_T_T3211min)                                                                                  |      |   | 1.2)     |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | ?TIMEOUT T_dly                                                                                             |      |   |          |
| 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | +ltree_lup_init(Milmsi_01, C_lacdeleted, C_cksnokey)                                                       |      |   | 1.2)     |
| 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | (TCV_Null := OM_StopTran(TCV_ch, "dummy"))                                                                 |      |   |          |
| 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | (TCV_Null := OM_WaitnomoreSacchinUL(TCV_sacch_B))                                                          |      |   |          |
| 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | START T_dly( C_T_T3211min)                                                                                 |      |   | 1.3)     |
| 21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | ?TIMEOUT T_dly                                                                                             |      |   |          |
| 22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | +ltree_lup_init(Milmsi_01, C_lacdeleted, C_cksnokey)                                                       |      |   | 1.2)     |
| 23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | +ChanRel(TCV_ch)                                                                                           |      |   |          |
| 24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | START T_dly( C_T_T3211min)                                                                                 |      |   |          |
| 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | ?TIMEOUT T_dly                                                                                             |      |   |          |
| 26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | +MM_LUPauth2(MiTmsi_01iei, Milmsi_01, C_lacdeleted, TCV_lac, C_cksnokey, TCV_cksno, TimingAdv_r01)         |      |   | 1.2)     |
| 27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | +ChanRel(TCV_ch)                                                                                           |      |   |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       | <b>ltree_confreq2</b>                                                                                      |      |   |          |
| 28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | +ltree_switchcelltoA_Bnotsuitable                                                                          |      |   |          |
| 29                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | +MM_LupRej2(C_rc_conditIEerror, MiTmsi_01, C_lacellA, TimingAdv_r01)                                       |      |   | 1.2)     |
| 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | (TCV_Null := OM_PgFill(C_CellA, PgReqTp1_30(MiTmsi_01)))                                                   |      |   |          |
| 31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | START T_dly(8000)                                                                                          |      |   |          |
| 32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | ?TIMEOUT T_dly                                                                                             |      |   | (P)      |

|    |                                                                                                     |                                                                                  |     |                         |
|----|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----|-------------------------|
| 33 | +ltree2_send                                                                                        |                                                                                  |     |                         |
| 34 | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                        | ChReq_09                                                                         |     | 2.3)                    |
| 35 | ACTIVATE(OtherEventsFail_02)                                                                        |                                                                                  |     | To match ChReq retrans. |
| 36 | LIDL_UdatRqImmss                                                                                    | ImmAss_20(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_r01) |     |                         |
| 37 | L?DL_EstInLupRq                                                                                     | LocUp_02                                                                         |     |                         |
| 38 | ACTIVATE(OtherEventsFail)                                                                           |                                                                                  |     | Restore Normal default  |
| 39 | LIDL_DatRqLupRej                                                                                    | LocRej_01(C_rc_conditlError, TCV_ch)                                             | (P) |                         |
| 40 | +ChanRel(TCV_ch)                                                                                    |                                                                                  |     |                         |
| 41 | ?TIMEOUT T_dly                                                                                      |                                                                                  | (P) |                         |
| 42 | +ltree2_send                                                                                        |                                                                                  |     |                         |
|    | <b>ltree2_send</b>                                                                                  |                                                                                  |     |                         |
| 43 | (TCV_Null:=OM_PgFill(C_CellA, PgReqTp1Norm))                                                        |                                                                                  |     |                         |
| 44 | START T_dly(4000)                                                                                   |                                                                                  |     |                         |
| 45 | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                        | ChReq_09                                                                         |     | 2.3)                    |
| 46 | ACTIVATE(OtherEventsFail_02)                                                                        |                                                                                  |     | To match ChReq retrans. |
| 47 | LIDL_UdatRqImmss                                                                                    | ImmAss_20(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_r01) |     |                         |
| 48 | L?DL_EstInLupRq                                                                                     | LocUp_02                                                                         |     |                         |
| 49 | ACTIVATE(OtherEventsFail)                                                                           |                                                                                  |     | Restore Normal default  |
| 50 | LIDL_DatRqLupRej                                                                                    | LocRej_01(C_rc_conditlError, TCV_ch)                                             | (P) |                         |
| 51 | +ChanRel(TCV_ch)                                                                                    |                                                                                  |     |                         |
| 52 | ?TIMEOUT T_dly                                                                                      |                                                                                  |     |                         |
| 53 | +MM_noimsidetach(3000)                                                                              |                                                                                  |     |                         |
| 54 | +MM_LUPauth2( MiTmsi_01iei, Milmsi_01, C_lacdeleted, TCV_lac, C_cksnokey, TCV_cksno, TimingAdv_r01) |                                                                                  |     |                         |
| 55 | +ChanRel(TCV_ch)                                                                                    |                                                                                  |     |                         |
|    | <b>ltree_confreq3</b>                                                                               |                                                                                  |     |                         |
| 56 | +ltree_switchcelltoB_Anotsuitable                                                                   |                                                                                  |     |                         |
| 57 | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                        | ChReq_09                                                                         |     |                         |
| 58 | ACTIVATE(OtherEventsFail_02)                                                                        |                                                                                  |     | To match ChReq retrans. |
| 59 | LIDL_UdatRqImmss                                                                                    | ImmAss_20(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_r01) |     |                         |
| 60 | L?DL_EstInLupRq                                                                                     | LocUp_30(MiTmsi_01, TCV_ch, TCV_lac, TCV_cksno)                                  |     |                         |
| 61 | ACTIVATE(OtherEventsFail)                                                                           |                                                                                  |     | Restore Normal default  |
| 62 | START T_dly(C_T_T3210)                                                                              |                                                                                  |     |                         |
| 63 | (TCV_Cntstart := FALSE)                                                                             |                                                                                  |     |                         |
| 64 | REPEAT ltree_auth UNTIL [TCV_Cntstart = TRUE]                                                       |                                                                                  |     | 3.1)                    |
| 65 | START T_dly( 3000)                                                                                  |                                                                                  |     |                         |
| 66 | ?TIMEOUT T_dly                                                                                      |                                                                                  |     |                         |
| 67 | +MM_check_ecall2(Milmsi_01, C_cksnokey, TimingAdv_r01)                                              |                                                                                  |     | 3.2)                    |
| 68 | START T_dly( 15000)                                                                                 |                                                                                  |     |                         |
| 69 | ?TIMEOUT T_dly                                                                                      |                                                                                  | (F) | 3.3)                    |
| 70 | +ChanRel(TCV_ch)                                                                                    |                                                                                  |     |                         |
| 71 | L?DL_RaInChRq (TCV_Rr                                                                               | ChReq_09                                                                         |     | 3.3)                    |

|     |                                                                                                   |                                                                                              |     |                         |
|-----|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----|-------------------------|
| 72  | := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn :=<br>DL_RaInChRq.fn)<br>ACTIVATE(OtherEventsF<br>ail_02) |                                                                                              |     | To match ChReq retrans. |
| 73  | +ltree_continue(<br>MiTmsi_01iei,<br>Milmsi_01)                                                   |                                                                                              |     |                         |
| 74  | <b>ltree_continue(newtmsi: MI; lup_mi:MI)</b><br>L!DL_UdatRqImmss                                 | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>TimingAdv_r01) |     |                         |
| 75  | L?DL_EstInLupRq                                                                                   | LocUp_30(lup_mi,<br>TCV_ch,<br>C_lacdeleted,<br>TCV_cksn)                                    |     |                         |
| 76  | ACTIVATE(OtherEventsFail)                                                                         |                                                                                              |     | Restore Normal default  |
| 77  | +Authentication(TCV_ch, TCV_cksn)                                                                 |                                                                                              |     |                         |
| 78  | L!DL_DatRqLupAcp                                                                                  | LocAcp_30(newtmsi,<br>TCV_ch, TCV_lac)                                                       |     |                         |
| 79  | L?DL_DatInTmsireCom                                                                               | TmsiReallocCmp_02(<br>TCV_ch)                                                                | (P) |                         |
| 80  | +ChanRel(TCV_ch)                                                                                  |                                                                                              |     |                         |
| 81  | <b>ltree_auth</b><br>L!DL_DatRqAuthRq                                                             | AuthReq_30(TCV_ch,<br>TCV_cksn)                                                              |     |                         |
| 82  | L?DL_DatInAuthRes (TCV_Sres :=<br>DL_DatInAuthRes.msg.sres)                                       | AuthRes_01                                                                                   |     |                         |
| 83  | (TCV_Res := OC_ChkSRES(TCV_Sres,<br>TSPX_Ki, TSPX_RANDDef), TCV_Cntstart1:=<br>TRUE)              |                                                                                              |     |                         |
| 84  | [TCV_Res = FALSE]                                                                                 |                                                                                              | (F) |                         |
| 85  | [TCV_Res = TRUE]                                                                                  |                                                                                              | (P) |                         |
| 86  | ?TIMEOUT T_dly                                                                                    |                                                                                              |     |                         |
| 87  | (TCV_Cntstart := TRUE)                                                                            |                                                                                              | (P) |                         |
| 88  | <b>ltree_confreq4</b><br>+ltree_switchcelltoA_Bnotsuitable                                        |                                                                                              |     |                         |
| 89  | +ltree_lup_init(MiTmsi_01, C_laccellB, TCV_cksn)                                                  |                                                                                              |     |                         |
| 90  | (TCV_Null := OM_StopTran(TCV_ch, "dummy"))                                                        |                                                                                              |     |                         |
| 91  | (TCV_Null:= OM_WaitnomoreSacchinUL(<br>TCV_sacch))                                                |                                                                                              |     |                         |
| 92  | +AttmPCall                                                                                        |                                                                                              |     |                         |
| 93  | +BasicServiceMO(TSPX_MO_BscSvc_Any<br>Call, TSPX_MO_rate_AnyCall)                                 |                                                                                              |     |                         |
| 94  | +MM_LUP_imsi( MiTmsi_01, Milmsi_01,<br>C_lacdeleted, TimingAdv_r01)                               |                                                                                              |     | 4.2)                    |
| 95  | L?DL_DatInTmsireCom                                                                               | TmsiReallocCmp_02(<br>TCV_ch)                                                                |     |                         |
| 96  | +ChanRel(TCV_ch)                                                                                  |                                                                                              |     |                         |
| 97  | START T_dly( 10000)                                                                               |                                                                                              |     | 4.3)                    |
| 98  | ?TIMEOUT T_dly                                                                                    |                                                                                              | (P) |                         |
| 99  | L?DL_RaInChRq (TCV_Rr :=<br>DL_RaInChRq.msg.ecau_rrf,<br>TCV_Fn := DL_RaInChRq.fn)                | ChReq_02                                                                                     |     | 4.3)                    |
| 100 | ACTIVATE(OtherEventsFail_02<br>)                                                                  |                                                                                              |     | To match ChReq retrans. |
| 101 | CANCEL T_dly                                                                                      |                                                                                              |     |                         |
| 102 | L!DL_UdatRqImmss                                                                                  | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>TimingAdv_r01) |     |                         |
| 103 | L?DL_EstInCmsRq                                                                                   | CmserReq_31(MiTms<br>i_01,C_cksn_nokey)                                                      | (P) |                         |
| 104 | ACTIVATE(OtherEvent                                                                               |                                                                                              |     | Restore Normal default  |

|                                                                                                              |                                                                                                     |                                                                                              |     |                         |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----|-------------------------|
| 105                                                                                                          | sFail)<br>+ChanRel(TCV_ch)                                                                          |                                                                                              |     |                         |
| 106                                                                                                          | <b>Itree_confreq6</b>                                                                               |                                                                                              |     |                         |
| 107                                                                                                          | +Itree_switchcelltoB_Anotsuitable                                                                   |                                                                                              |     |                         |
| 108                                                                                                          | +Itree_lup_init(MiTmsi_01, C_lacellA,<br>C_cksn_nokey)                                              |                                                                                              |     |                         |
| 109                                                                                                          | LIDL_DatRqChRel START T_dly(<br>C_T_T3211_80)                                                       | ChRel_20(TCV_ch)                                                                             |     |                         |
| 110                                                                                                          | L?DL_Relln                                                                                          | DLRelInd_01                                                                                  | (P) | 6.1)                    |
| 111                                                                                                          | +Itree_switchcelltoA_Bnotsuitable                                                                   |                                                                                              |     |                         |
| 112                                                                                                          | L?DL_RaclnChRq (TCV_Rr :=<br>DL_RaclnChRq. msg.ecau_rrf, TCV_Fn :=<br>DL_RaclnChRq.fn) CANCEL T_dly | ChReq_09                                                                                     |     | 6.2)                    |
| 113                                                                                                          | ACTIVATE(OtherEventsFail_02)                                                                        |                                                                                              |     | To match ChReq retrans. |
| 114                                                                                                          | LIDL_UdatRqImm                                                                                      | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>TimingAdv_r01) |     |                         |
| 115                                                                                                          | L?DL_EstlnLupRq                                                                                     | LocUp_30(Milmsi_01,<br>TCV_ch,<br>C_lacdeleted,<br>C_cksn_nokey)                             |     |                         |
| 116                                                                                                          | ACTIVATE(OtherEventsFail)                                                                           |                                                                                              |     | Restore Normal default  |
| 117                                                                                                          | +Authentication(TCV_ch,<br>TCV_cksn)                                                                |                                                                                              |     |                         |
| 118                                                                                                          | LIDL_DatRqLupAcp                                                                                    | LocAcp_30(MiTmsi_0<br>1iei, TCV_ch,<br>TCV_lac)                                              |     |                         |
| 119                                                                                                          | L?DL_DatlnTmsireCom                                                                                 | TmsiReallocCmp_02(<br>TCV_ch)                                                                | (P) |                         |
| 120                                                                                                          | ?TIMEOUT T_dly<br>+ChanRel(TCV_ch)                                                                  |                                                                                              | (F) |                         |
| 121                                                                                                          | <b>Itree_lup_init(mi: MI; lac: OCTETSTRING; cksn:<br/>CKSN)</b>                                     |                                                                                              |     |                         |
| 122                                                                                                          | L?DL_RaclnChRq (TCV_Rr := DL_RaclnChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaclnChRq.fn)                 | ChReq_09                                                                                     |     |                         |
| 123                                                                                                          | ACTIVATE(OtherEventsFail_02)                                                                        |                                                                                              |     | To match ChReq retrans. |
| 124                                                                                                          | LIDL_UdatRqImm                                                                                      | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>TimingAdv_r01) |     |                         |
| 125                                                                                                          | L?DL_EstlnLupRq                                                                                     | LocUp_30(mi,<br>TCV_ch, lac, cksn)                                                           | (P) |                         |
| 126                                                                                                          | ACTIVATE(OtherEventsFail)                                                                           |                                                                                              |     | Restore Normal default  |
| 127                                                                                                          | <b>Itree_Anotsuitable</b>                                                                           |                                                                                              |     |                         |
| 128                                                                                                          | +Itree_varinitB                                                                                     |                                                                                              |     |                         |
| 129                                                                                                          | +LowRfLev_Cellnotavail(C_CellA)                                                                     |                                                                                              |     |                         |
| 130                                                                                                          | <b>Itree_switchcelltoB_Anotsuitable</b>                                                             |                                                                                              |     |                         |
| 131                                                                                                          | +Itree_varinitB                                                                                     |                                                                                              |     |                         |
| 132                                                                                                          | +ChangeRfLev_2Cells(C_CellB, 63, C_CellA, 53)                                                       |                                                                                              |     |                         |
| 133                                                                                                          | <b>Itree_switchcelltoA_Bnotsuitable</b>                                                             |                                                                                              |     |                         |
|                                                                                                              | +Itree_varinitA                                                                                     |                                                                                              |     |                         |
|                                                                                                              | +ChangeRfLev_2Cells(C_CellA, 63, C_CellB, 53)                                                       |                                                                                              |     |                         |
|                                                                                                              | <b>Itree_varinitA</b>                                                                               |                                                                                              |     |                         |
|                                                                                                              | +Varinit_fixA                                                                                       |                                                                                              |     |                         |
|                                                                                                              | <b>Itree_varinitB</b>                                                                               |                                                                                              |     |                         |
|                                                                                                              | +Varinit_fixB                                                                                       |                                                                                              |     |                         |
| <b>Detailed Comments:</b> 1) Test of Conformance Requirement 1<br>1.1) Reject of Location Updating in cell B |                                                                                                     |                                                                                              |     |                         |



- 1.2) MS shall wait the period of T3211 and restart the normal location updating procedure when the attempt counter is smaller than 4.
- 1.3) Radio Link Failure extends the period of delay for next location updating.
  
- 2) Test of Conformance Requirement 2
  - 2.1) Reject of Location Updating in cell A
  - 2.2) MS shall not answer to paging
  - 2.3) All of location updating requests shall be rejected.
  - 2.4) MS shall not perform the IMSI detach procedure.
  
- 3) Test of Conformance Requirement 3
  - 3.1) Failure during Location Updating in cell A
  - 3.2) MS shall support emergency call.
  - 3.3) MS shall wait at most 15 sec. for location updating
  
- 4) Test of Conformance Requirement 4
  - 4.1) Failure during Location Updating Procedure
  - 4.2) MS shall use a request from Cm entity other than emergency call as a trigger for a normal location updating procedure.
  - 4.3) After the Location Updating Procedure MS can (optional) start automatically the Cm entity service again. It is optional and shall be observed only 15 sec.
  
- 6) Test of Conformance Requirement 6
  - 6.1) Failure during Location Updating Procedure
  - 6.2) MS shall start the location Updating Procedure as soon as it enters a new cell.

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                              |      |     |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_7_4_3_3                                                                                                                                                                                                                                                                                                                                                                                                                |      |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/MM/                                                                                                                                                                                                                                                                                                                                                                                                          |      |     |          |
| <b>Purpose:</b>             |       | To verify that the MS performs normal location updating after T3212 expiry when its attempt counter has reached value 4 and that the MS reset its attempt counter after a timer T3212 expiry.<br>To verify that the MS still follows the MM-IDLE ATTEMPTING TO UPDATE state requirements after its attempt counter has reached value 4.<br>To verify that the attempt counter is reset in the cases where it has to be done. |      |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                              |      |     |          |
| <b>Comments:</b>            |       | Initial Conditions of MS:<br>The MS has valid TMSI and CKSN. It is "idle updated" on cell B.<br><br>Foreseen final state of the MS:<br>The MS has valid TMSI and CKSN. It is "idle updated" on cell A.                                                                                                                                                                                                                       |      |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                        | CRef | V   | Comments |
| 1                           |       | START T_guard(1200)                                                                                                                                                                                                                                                                                                                                                                                                          |      |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                         |      |     |          |
| 3                           |       | +IdleUpdated(C_CellB, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                              |      |     |          |
| 4                           |       | +ltree_varinitB                                                                                                                                                                                                                                                                                                                                                                                                              |      |     |          |
| 5                           |       | +IdleState_2cellMM3(C_CellB, C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 1, '000'B, '001'B, '011'B, '01'O)                                                                                                                                                                                                                                                                                                                   |      |     |          |
| 6                           | body  | +ltree_switchcelltoA_Bnotsuitable                                                                                                                                                                                                                                                                                                                                                                                            |      |     |          |
| 7                           |       | +ltree_part1                                                                                                                                                                                                                                                                                                                                                                                                                 |      |     | 1)       |
| 8                           |       | +ltree_part2                                                                                                                                                                                                                                                                                                                                                                                                                 |      |     | 2)       |
| 9                           |       | +ltree_part3                                                                                                                                                                                                                                                                                                                                                                                                                 |      |     | 3)       |
| 10                          | post  | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                         |      |     |          |
| <b>ltree_part1</b>          |       |                                                                                                                                                                                                                                                                                                                                                                                                                              |      |     |          |
| 11                          |       | +MM_LupRej2(C_rc_congestion, MiTmsi_01, C_lacellB, TimingAdv_r01)                                                                                                                                                                                                                                                                                                                                                            |      |     |          |
| 12                          |       | START T_dly(C_T_T3211min)                                                                                                                                                                                                                                                                                                                                                                                                    |      |     |          |
| 13                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                               |      | (P) |          |
| 14                          |       | +ltree_LupAndStopCh( TCV_sacch)                                                                                                                                                                                                                                                                                                                                                                                              |      |     |          |
| 15                          |       | +ltree_lup_init                                                                                                                                                                                                                                                                                                                                                                                                              |      |     |          |
| 16                          |       | START T_dly(C_T_T3210)                                                                                                                                                                                                                                                                                                                                                                                                       |      |     |          |
| 17                          |       | (TCV_Cntstart := FALSE)                                                                                                                                                                                                                                                                                                                                                                                                      |      |     |          |
| 18                          |       | REPEAT ltree_auth UNTIL [TCV_Cntstart=TRUE]                                                                                                                                                                                                                                                                                                                                                                                  |      |     |          |
| 19                          |       | START T_dly(C_T_T3211min)                                                                                                                                                                                                                                                                                                                                                                                                    |      |     |          |
| 20                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                               |      | (P) |          |
| 21                          |       | +ltree_lup_init                                                                                                                                                                                                                                                                                                                                                                                                              |      |     |          |
| 22                          |       | +ChanRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                             |      |     | 1.1)     |
| 23                          |       | +NoReaction(345000)                                                                                                                                                                                                                                                                                                                                                                                                          |      |     |          |
| 24                          |       | +MM_LupRej2(C_rc_networkfailure, Milmsi_01, TCV_lac, TimingAdv_r01)                                                                                                                                                                                                                                                                                                                                                          |      |     | 1.2)     |
| 25                          |       | START T_dly(C_T_T3211min)                                                                                                                                                                                                                                                                                                                                                                                                    |      |     |          |
| 26                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                               |      | (P) |          |
| 27                          |       | +MM_LUPauth2(MiTmsi_01iei, Milmsi_01, C_lacdeleted, TCV_lac, C_cksn_nokey, TCV_cksn, TimingAdv_r01)                                                                                                                                                                                                                                                                                                                          |      |     | 1.3)     |
| 28                          |       | +ChanRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                             |      |     |          |
| <b>ltree_part2</b>          |       |                                                                                                                                                                                                                                                                                                                                                                                                                              |      |     |          |
| 29                          |       | +ltree_switchcelltoB_Anotsuitable                                                                                                                                                                                                                                                                                                                                                                                            |      |     |          |
| 30                          |       | +ltree_increaseATcounter(C_lacellA)                                                                                                                                                                                                                                                                                                                                                                                          |      |     |          |
| 31                          |       | +ltree_lup_init                                                                                                                                                                                                                                                                                                                                                                                                              |      |     |          |

|    |                                                                                                              |                                                                                              |                         |
|----|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------|
| 32 | LIDL_DatRqLupRej                                                                                             | LocRej_01(C_rc_noti<br>identified, TCV_ch)                                                   | 2.1)                    |
| 33 | +ChanRel(TCV_ch)                                                                                             |                                                                                              |                         |
| 34 | +MM_check_ecall2( Milmsi_01,<br>C_cksn_nokey, TimingAdv_r01)                                                 |                                                                                              | 2.2)                    |
| 35 | +MM_noimsidetach(3000)                                                                                       |                                                                                              | 2.3)                    |
| 36 | +MM_LUPauth2(MiTmsi_01iei,<br>Milmsi_01, C_lacdeleted, TCV_lac,<br>C_cksn_nokey, TCV_cksn,<br>TimingAdv_r01) |                                                                                              |                         |
| 37 | (TCV_cksn:= TSPX_CKSNA,<br>TCV_lac:= C_lacellB)                                                              |                                                                                              |                         |
| 38 | +ChanRel(TCV_ch)                                                                                             |                                                                                              |                         |
|    | <b>ltree_part3</b>                                                                                           |                                                                                              |                         |
| 39 | +ltree_switchcelltoA_Bnotsuitable                                                                            |                                                                                              |                         |
| 40 | +ltree_increaseATcounter(C_lacellB)                                                                          |                                                                                              |                         |
| 41 | +ltree_lup_init                                                                                              |                                                                                              |                         |
| 42 | +Stopmaindcch( TCV_ch, TCV_sacch)                                                                            |                                                                                              | 3.1)                    |
| 43 | +AttmpCall                                                                                                   |                                                                                              |                         |
| 44 | +BasicServiceMO(TSPX_MO_BscSvc_Any<br>Call, TSPX_MO_rate_AnyCall)                                            |                                                                                              |                         |
| 45 | +ltree_lup_init                                                                                              |                                                                                              | 3.2)                    |
| 46 | +ChanRel(TCV_ch)                                                                                             |                                                                                              |                         |
| 47 | START T_dly( C_T_T3211min)                                                                                   |                                                                                              |                         |
| 48 | ?TIMEOUT T_dly                                                                                               | (P)                                                                                          |                         |
| 49 | +MM_LUPauth2(MiTmsi_01iei,<br>Milmsi_01, C_lacdeleted,<br>TCV_lac, C_cksn_nokey,<br>TCV_cksn, TimingAdv_r01) |                                                                                              | 3.3)                    |
| 50 | +ChanRel(TCV_ch)                                                                                             |                                                                                              |                         |
| 51 | (TCV_cksn:= TSPX_CKSNA,<br>TCV_lac:= C_lacellA)                                                              |                                                                                              |                         |
| 52 | START T_dly( 10000)                                                                                          |                                                                                              |                         |
| 53 | +ltree_continuep3                                                                                            |                                                                                              |                         |
|    | <b>ltree_continuep3</b>                                                                                      |                                                                                              |                         |
| 54 | ?TIMEOUT T_dly                                                                                               |                                                                                              |                         |
| 55 | +ltree_continuep3_2                                                                                          |                                                                                              |                         |
| 56 | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                             | ChReq_02                                                                                     |                         |
| 57 | ACTIVATE(OtherEventsFail_02)                                                                                 |                                                                                              | To match ChReq retrans. |
| 58 | CANCEL T_dly                                                                                                 |                                                                                              |                         |
| 59 | LIDL_UdatRqImmss                                                                                             | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>TimingAdv_r01) |                         |
| 60 | L?DL_EstInCmsRq                                                                                              | CmsrReq_31(MiTms<br>i_01,TCV_cksn)                                                           | (P)                     |
| 61 | ACTIVATE(OtherEventsFail)                                                                                    |                                                                                              | Restore Normal default  |
| 62 | LIDL_DatRqCmsRej                                                                                             | CmsrRej_30(<br>C_rc_networkfailure,<br>TCV_ch)                                               |                         |
| 63 | +ChanRel(TCV_ch)                                                                                             |                                                                                              |                         |
| 64 | +ltree_continuep3_2                                                                                          |                                                                                              |                         |
|    | <b>ltree_continuep3_2</b>                                                                                    |                                                                                              |                         |
| 65 | +ltree_switchcelltoB_Anotsuitable                                                                            |                                                                                              |                         |
| 66 | +ltree_increaseATcounter(C_lacellA)                                                                          |                                                                                              |                         |
| 67 | +MM_LupRej2( C_rc_invalidmaninfo, MiTmsi_01,<br>TCV_lac, TimingAdv_r01)                                      |                                                                                              | 3.4)                    |
| 68 | +ltree_switchcelltoA_Bnotsuitable                                                                            |                                                                                              | 3.5)                    |
| 69 | +ltree_LupAndStopCh(TCV_sacch_B)                                                                             |                                                                                              |                         |
| 70 | +MM_LUPauth2( MiTmsi_01iei, Milmsi_01,<br>C_lacdeleted, TCV_lac, TCV_cksn,<br>C_cksn_nokey, TimingAdv_r01)   |                                                                                              | 3.6)                    |

|     |                                                                                                                       |                                                                                              |     |                         |
|-----|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----|-------------------------|
| 71  | <b>Itree_increaseATcounter(lac: OCTETSTRING)</b><br>+MM_LupRej2(C_rc_notidentified, MiTmsi_01, lac,<br>TimingAdv_r01) |                                                                                              |     |                         |
| 72  | START T_dly(C_T_T3211min)                                                                                             |                                                                                              |     |                         |
| 73  | ?TIMEOUT T_dly                                                                                                        |                                                                                              | (P) |                         |
| 74  | +Itree_LupAndStopCh(TCV_sacch_B)                                                                                      |                                                                                              |     |                         |
| 75  | +Itree_lup_init                                                                                                       |                                                                                              |     |                         |
| 76  | +ChanRel(TCV_ch)                                                                                                      |                                                                                              |     |                         |
| 77  | START T_dly(C_T_T3211min)                                                                                             |                                                                                              |     |                         |
| 78  | ?TIMEOUT T_dly                                                                                                        |                                                                                              | (P) |                         |
|     | <b>Itree_LupAndStopCh(par: LOGICCH)</b>                                                                               |                                                                                              |     |                         |
| 79  | +Itree_lup_init                                                                                                       |                                                                                              |     |                         |
| 80  | +Stopmaindcch( TCV_ch, par)                                                                                           |                                                                                              |     |                         |
| 81  | START T_dly( C_T_T3211min)                                                                                            |                                                                                              |     |                         |
| 82  | ?TIMEOUT T_dly                                                                                                        |                                                                                              | (P) |                         |
|     | <b>Itree_lup_init</b>                                                                                                 |                                                                                              |     |                         |
| 83  | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                      | ChReq_09                                                                                     |     |                         |
| 84  | ACTIVATE(OtherEventsFail_02)                                                                                          |                                                                                              |     | To match ChReq retrans. |
| 85  | LIDL_UdatRqImmass                                                                                                     | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>TimingAdv_r01) |     |                         |
| 86  | L?DL_EstInLupRq                                                                                                       | LocUp_30(Milmsi_01,<br>TCV_ch,<br>C_lacdeleted,<br>C_cksnokey)                               | (P) |                         |
| 87  | ACTIVATE(OtherEventsFail)                                                                                             |                                                                                              |     | Restore Normal default  |
|     | <b>Itree_auth</b>                                                                                                     |                                                                                              |     |                         |
| 88  | L!DL_DatRqAuthRq                                                                                                      | AuthReq_30(TCV_ch,<br>TCV_cksno)                                                             |     |                         |
| 89  | L?DL_DatInAuthRes (TCV_Sres :=<br>DL_DatInAuthRes.msg.sres)                                                           | AuthRes_01                                                                                   |     |                         |
| 90  | (TCV_Res := OC_ChkSRES(TCV_Sres,<br>TSPX_Ki, TSPX_RANDDef), TCV_Cntstart1:=<br>TRUE)                                  |                                                                                              |     |                         |
| 91  | [TCV_Res = FALSE]                                                                                                     |                                                                                              | F   |                         |
| 92  | [TCV_Res = TRUE]                                                                                                      |                                                                                              | (P) |                         |
| 93  | ?TIMEOUT T_dly                                                                                                        |                                                                                              |     |                         |
| 94  | (TCV_Cntstart := TRUE)                                                                                                |                                                                                              | (P) |                         |
|     | <b>Itree_switchcelltoA_Bnotsuitable</b>                                                                               |                                                                                              |     |                         |
| 95  | +Itree_varinitA                                                                                                       |                                                                                              |     |                         |
| 96  | +ChangeRfLev_2Cells(C_CellA, 63, C_CellB, 53)                                                                         |                                                                                              |     |                         |
|     | <b>Itree_switchcelltoB_Anotsuitable</b>                                                                               |                                                                                              |     |                         |
| 97  | +Itree_varinitB                                                                                                       |                                                                                              |     |                         |
| 98  | +ChangeRfLev_2Cells(C_CellB, 63, C_CellA, 53)                                                                         |                                                                                              |     |                         |
|     | <b>Itree_varinitA</b>                                                                                                 |                                                                                              |     |                         |
| 99  | +Varinit_fixA                                                                                                         |                                                                                              |     |                         |
|     | <b>Itree_varinitB</b>                                                                                                 |                                                                                              |     |                         |
| 100 | +Varinit_fixB                                                                                                         |                                                                                              |     |                         |

**Detailed Comments:**

- 1.) To test conformance requirement 1
  - 1.1) Attempt counter is now equal to 4
  - 1.2) MS shall perform location updating after T3212
  - 1.3) MS shall initiate location updating procedure, if the updating was unsuccessful.
- 2.) To test conformance requirement 2
  - 2.1) Attempt counter is now equal to 4
  - 2.2) MS shall perform request for emergency call
  - 2.3) MS shall not perform an IMSI detach procedure

- 3.) To test conformance requirement 3 and 4
- 3.1) Attempt counter is now equal to 4
- 3.2) MS shall use a request from CM entity for MM connection for a service other than emergency call as a trigger for a normal location updating procedure.
- 3.3) MS shall reset the attempt counter after successful location updating procedure.
- 3.4) Attempt counter is now equal to 4
- 3.5) MS shall perform the normal location updating procedure after entering a new cell.
- 3.6) If the location updating procedure unsuccessful, the MS shall trigger the location updating after T3211 again.

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                    |            |     |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_7_4_3_4                                                                                                                                                                                                                                                                                                                                                                                                      |            |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/MM/                                                                                                                                                                                                                                                                                                                                                                                                |            |     |          |
| <b>Purpose:</b>             |       | To verify that in the case when the attempt counter is smaller than 4 and the broadcast LAI is equal to the stored LAI, the MS is in the MM-IDLE state and NORMAL SERVICE substate. To verify that timer T3211 is stopped after a MM connection establishment. To verify that the MS uses the T3211 timer. and that it enters the MM-IDLE state and NORMAL SERVICE substate when its attempt counter reaches value |            |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                    |            |     |          |
| <b>Comments:</b>            |       | Initial Conditions of MS:<br>The MS has valid TMSI and CKSN. It is "idle updated" on cell B.<br><br>Foreseen final state of the MS:<br>The MS has valid TMSI and CKSN. It is "idle updated" on cell B.                                                                                                                                                                                                             |            |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                              | CRef       | V   | Comments |
| 1                           |       | START T_guard(2400)                                                                                                                                                                                                                                                                                                                                                                                                |            |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                               |            |     |          |
| 3                           |       | +IdleUpdated(C_CellB, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                    |            |     |          |
| 4                           |       | +Varinit_fixB                                                                                                                                                                                                                                                                                                                                                                                                      |            |     |          |
| 5                           |       | +IdleState_cellB2(C_Immass,TCV_slot, TCV_tsc, TimingAdv_r01, 1, '000'B, '001'B, '011'B, '01'O)                                                                                                                                                                                                                                                                                                                     |            |     |          |
| 6                           |       | +ltree_confreq1                                                                                                                                                                                                                                                                                                                                                                                                    |            |     | 1)       |
| 7                           |       | +ltree_confreq2                                                                                                                                                                                                                                                                                                                                                                                                    |            |     | 2)       |
| 8                           |       | +ltree_confreq3                                                                                                                                                                                                                                                                                                                                                                                                    |            |     | 3)       |
| 9                           |       | +ltree_confreq4                                                                                                                                                                                                                                                                                                                                                                                                    |            |     | 4)       |
| 10                          |       | +ltree_confreq5                                                                                                                                                                                                                                                                                                                                                                                                    |            |     | 5)       |
| 11                          |       | +ltree_confreq6                                                                                                                                                                                                                                                                                                                                                                                                    |            |     | 6)       |
|                             |       | <b>ltree_confreq1</b>                                                                                                                                                                                                                                                                                                                                                                                              |            |     |          |
| 12                          |       | +ltree_LUPperrejstart(C_rc_networkfailure,MiTmsi_01)                                                                                                                                                                                                                                                                                                                                                               |            |     | 1.1)     |
| 13                          |       | +AttmpCall                                                                                                                                                                                                                                                                                                                                                                                                         |            |     |          |
| 14                          |       | +BasicServiceMO(TSPX_MO_BscSvc_AnyCall, TSPX_MO_rate_AnyCall)                                                                                                                                                                                                                                                                                                                                                      |            |     |          |
| 15                          |       | +ltree_cmservinit(MiTmsi_01,TCV_cks)                                                                                                                                                                                                                                                                                                                                                                               |            |     | 1.2)     |
| 16                          |       | L?DL_DatInSetup (TCV_Mt := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                   | SetupIn_01 | (P) |          |
| 17                          |       | +ChanRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                   |            |     |          |
| 18                          |       | (TCV_n := 2 * C_T_T3211min)                                                                                                                                                                                                                                                                                                                                                                                        |            |     |          |
| 19                          |       | +NoReaction( TCV_n)                                                                                                                                                                                                                                                                                                                                                                                                |            |     | 1.3)     |
| 20                          |       | +MM_PwrOrSimOff                                                                                                                                                                                                                                                                                                                                                                                                    |            |     |          |
| 21                          |       | +ImsiDetach(MiTmsi_01, C_AGCH_B_1, TimingAdv_r01)                                                                                                                                                                                                                                                                                                                                                                  |            |     |          |
|                             |       | <b>ltree_confreq2</b>                                                                                                                                                                                                                                                                                                                                                                                              |            |     |          |
| 22                          |       | +MM_PwrOrSimOn                                                                                                                                                                                                                                                                                                                                                                                                     |            |     |          |
| 23                          |       | +ltree_ImsiAttachAndStopCh( TCV_sacch_B)                                                                                                                                                                                                                                                                                                                                                                           |            |     | 2.1)     |
| 24                          |       | +AttmpCall                                                                                                                                                                                                                                                                                                                                                                                                         |            |     |          |
| 25                          |       | +BasicServiceMO(TSPX_MO_BscSvc_AnyCall, TSPX_MO_rate_AnyCall)                                                                                                                                                                                                                                                                                                                                                      |            |     |          |
| 26                          |       | +ltree_cmservinit(MiTmsi_01,TCV_cks)                                                                                                                                                                                                                                                                                                                                                                               |            |     | 2.2)     |
| 27                          |       | +Cipherring_on(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                             |            |     |          |
| 28                          |       | L?DL_DatInSetup (TCV_Mt := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                   | SetupIn_01 | (P) |          |
| 29                          |       | +ChanRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                   |            |     |          |
| 30                          |       | +NoReaction(TCV_n)                                                                                                                                                                                                                                                                                                                                                                                                 |            |     | 2.3)     |
|                             |       | <b>ltree_confreq3</b>                                                                                                                                                                                                                                                                                                                                                                                              |            |     |          |
| 31                          |       | START T_dly( C_T_T3212 - C_T_T3211min - 15)                                                                                                                                                                                                                                                                                                                                                                        |            |     |          |
| 32                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                     |            | (P) |          |
| 33                          |       | +MM_LUPperrej3( MiTmsi_01, 60000, TCV_lac, TimingAdv_r01)                                                                                                                                                                                                                                                                                                                                                          |            |     | 3.1)     |
| 34                          |       | +NoReaction(C_T_T3211min)                                                                                                                                                                                                                                                                                                                                                                                          |            |     |          |

|                                |                                                                                          |                                                                                              |                         |
|--------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------|
| 35                             | +MM_LUPperrej2(<br>C_rc_networkfailure,MiTmsi_01,15000,<br>TCV_lac, TimingAdv_r01)       |                                                                                              | 3.1)                    |
| 36                             | +NoReaction(C_T_T3211min)                                                                |                                                                                              |                         |
| 37                             | +ltree_PerLupAndStopCh(<br>C_SACCHF_B_1)                                                 |                                                                                              | 3.1)                    |
| 38                             | (TCV_n := C_T_T3211min +<br>C_RadioLinkTimeOut *<br>C_T_8SACCHblocks)                    |                                                                                              |                         |
| 39                             | +NoReaction(TCV_n)                                                                       |                                                                                              |                         |
| 40                             | +MM_LUPperrej3(<br>MiTmsi_01,30000, TCV_lac,<br>TimingAdv_r01)                           |                                                                                              | 3.1)                    |
| 41                             | (TCV_lac:=C_lacdeleted,<br>TCV_cks1:= TCV_cks1,<br>TCV_cks:= C_cks1_nokey)               |                                                                                              |                         |
| 42                             | +MM_LUPperauth(Milmsi_01,M<br>iTmsi_01iei, C_lacdeleted,<br>C_cks1_nokey, TimingAdv_r01) |                                                                                              | 3.2)                    |
| <b>ltree_confreq4</b>          |                                                                                          |                                                                                              |                         |
| 43                             | START T_dly(C_T_T3212min)                                                                |                                                                                              |                         |
| 44                             | ?TIMEOUT T_dly                                                                           |                                                                                              | (P)                     |
| 45                             | +MM_LUPperrej2(<br>C_rc_networkfailure,MiTmsi_01, 60000, TCV_lac,<br>TimingAdv_r01)      |                                                                                              |                         |
| 46                             | +NoReaction(C_T_T3211min)                                                                |                                                                                              |                         |
| 47                             | +ltree_PerLupAndStopCh( TCV_sacch_B)                                                     |                                                                                              |                         |
| 48                             | +NoReaction(C_T_T3211min)                                                                |                                                                                              |                         |
| 49                             | +MM_LUPperrej3(MiTmsi_01,15000,<br>TCV_lac, TimingAdv_r01)                               |                                                                                              |                         |
| 50                             | +NoReaction(C_T_T3211min)                                                                |                                                                                              |                         |
| 51                             | +ltree_confreq4_continue                                                                 |                                                                                              |                         |
| <b>ltree_confreq4_continue</b> |                                                                                          |                                                                                              |                         |
| 52                             | +MM_LUPperrej2(<br>C_rc_networkfailure,MiTmsi_01,15000, TCV_lac,<br>TimingAdv_r01)       |                                                                                              | 4.1)                    |
| 53                             | (TCV_lac:=C_lacdeleted, TCV_cks1:= TCV_cks1,<br>TCV_cks:= C_cks1_nokey)                  |                                                                                              |                         |
| 54                             | +AttmpCall                                                                               |                                                                                              |                         |
| 55                             | +BasicServiceMO(TSPX_MO_BscSvc_AnyCall,<br>TSPX_MO_rate_AnyCall)                         |                                                                                              |                         |
| 56                             | +MM_LUP2(MiTmsi_01,Milmsi_01, TCV_lac,<br>C_lacellB, TimingAdv_r01)                      |                                                                                              | 4.2)                    |
| 57                             | START T_dly(10000)                                                                       |                                                                                              |                         |
| 58                             | L?DL_RaInChRq (TCV_Rr :=<br>DL_RaInChRq. msg.ecau_rrf, TCV_Fn<br>:= DL_RaInChRq.fn)      | ChReq_02                                                                                     | 4.3)                    |
| 59                             | ACTIVATE(OtherEventsFail_02)                                                             |                                                                                              | To match ChReq retrans. |
| 60                             | LIDL_UdatRqImmss                                                                         | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>TimingAdv_r01) |                         |
| 61                             | L?DL_EstInCmsRq                                                                          | CmsrReq_31(MiTms<br>i_01,C_cks1_nokey)                                                       | (P)                     |
| 62                             | ACTIVATE(OtherEventsFail)                                                                |                                                                                              | Restore Normal default  |
| 63                             | LIDL_DatRqCmsRej                                                                         | CmsrRej_04(TCV_c<br>h)                                                                       |                         |
| 64                             | +ChanRel(TCV_ch)                                                                         |                                                                                              |                         |
| 65                             | ?TIMEOUT T_dly                                                                           |                                                                                              | (P) 4.3)                |
| <b>ltree_confreq5</b>          |                                                                                          |                                                                                              |                         |
| 66                             | +MM_PwrOrSimOff                                                                          |                                                                                              |                         |
| 67                             | +lmsiDetach(MiTmsi_01, C_PCH_B_1,<br>TimingAdv_r01)                                      |                                                                                              |                         |
| 68                             | +MM_PwrOrSimOn                                                                           |                                                                                              |                         |
| 69                             | +ltree_lmsiAttachAndStopCh( TCV_sacch_B)                                                 |                                                                                              | 5.1)                    |
| 70                             | +NoReaction(C_T_T3211min)                                                                |                                                                                              |                         |

|     |                                                                                                             |                                                                                              |                         |
|-----|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------|
| 71  | +ltree_luprej3(MiTmsi_01)                                                                                   |                                                                                              | 5.1)                    |
| 72  | +NoReaction(C_T_T3211min)                                                                                   |                                                                                              |                         |
| 73  | +ltree_LUPrej2(<br>C_rc_networkfailure,MiTmsi_01)                                                           |                                                                                              | 5.1)                    |
| 74  | +NoReaction(C_T_T3211min)                                                                                   |                                                                                              |                         |
| 75  | +ltree_lmsiAttachAndStopCh(<br>C_SACCHF_B_1)                                                                |                                                                                              | 5.2)                    |
| 76  | (TCV_lac:=C_lacdeleted,<br>TCV_cks1:= TCV_cks1,<br>TCV_cks2:= C_cks2_nokey)                                 |                                                                                              |                         |
| 77  | +NoReaction(345000)                                                                                         |                                                                                              |                         |
| 78  | +MM_LUPperauth(Milmsi_01,<br>MiTmsi_01iei, C_lacdeleted,<br>C_cks2_nokey,<br>TimingAdv_r01)                 |                                                                                              | 5.3)                    |
|     | <b>ltree_confreq6</b>                                                                                       |                                                                                              |                         |
| 79  | +MM_PwrOrSimOff                                                                                             |                                                                                              |                         |
| 80  | +lmsiDetach(Milmsi_01, C_PCH_B_1,<br>TimingAdv_r01)                                                         |                                                                                              |                         |
| 81  | +MM_PwrOrSimOn                                                                                              |                                                                                              |                         |
| 82  | +ltree_luprej3(MiTmsi_01)                                                                                   |                                                                                              |                         |
| 83  | +NoReaction(C_T_T3211min)                                                                                   |                                                                                              |                         |
| 84  | +ltree_LUPrej2(<br>C_rc_networkfailure,MiTmsi_01)                                                           |                                                                                              |                         |
| 85  | +NoReaction(C_T_T3211min)                                                                                   |                                                                                              |                         |
| 86  | +ltree_lmsiAttachAndStopCh(<br>C_SACCHF_B_1)                                                                |                                                                                              |                         |
| 87  | +NoReaction(C_T_T3211min)                                                                                   |                                                                                              |                         |
| 88  | +ltree_luprej3(MiTmsi_01)                                                                                   |                                                                                              | 6.1)                    |
| 89  | +AttmpCall                                                                                                  |                                                                                              |                         |
| 90  | +BasicServiceMO(TSPX_MO_B<br>scSvc_AnyCall,<br>TSPX_MO_rate_AnyCall)                                        |                                                                                              |                         |
| 91  | +MM_LUPauth2(<br>MiTmsi_01iei,Milmsi_01,<br>C_lacdeleted, TCV_lac,<br>TCV_cks1, TCV_cks2,<br>TimingAdv_r01) |                                                                                              | 6.2)                    |
| 92  | +ChanRel(TCV_ch)                                                                                            |                                                                                              |                         |
| 93  | +ltree_cmservinit(MiTmsi<br>_01,TCV_cks1)                                                                   |                                                                                              |                         |
| 94  | L!DL_DatRqCmsRej                                                                                            | CmserRej_04(TCV_c<br>h)                                                                      |                         |
| 95  | +ChanRel(TCV_ch)                                                                                            |                                                                                              |                         |
|     | <b>ltree_LUPperrejestart(par_rej: REJCAU; par_mi:MI)</b>                                                    |                                                                                              |                         |
| 96  | START T_dly(C_T_T3212 + 45000)                                                                              |                                                                                              |                         |
| 97  | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rfr, TCV_Fn := DL_RaInChRq.fn)                            | ChReq_09                                                                                     |                         |
| 98  | ACTIVATE(OtherEventsFail_02)                                                                                |                                                                                              | To match ChReq retrans. |
| 99  | L!DL_UdatRqImmss                                                                                            | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>TimingAdv_r01) |                         |
| 100 | L?DL_EstInLupRq                                                                                             | LocUp_32(par_mi,<br>TCV_ch, TCV_lac,<br>TCV_cks1)                                            |                         |
| 101 | ACTIVATE(OtherEventsFail)                                                                                   |                                                                                              | Restore Normal default  |
| 102 | L!DL_DatRqLupRej                                                                                            | LocRej_01(par_rej,<br>TCV_ch)                                                                | (P)                     |
| 103 | +ChanRel(TCV_ch)                                                                                            |                                                                                              |                         |
| 104 | ?TIMEOUT T_dly                                                                                              |                                                                                              | (F)                     |
| 105 | L!DL_DatRqChRel                                                                                             | ChRel_20(TCV_ch)                                                                             |                         |
| 106 | L?DL_RelIn                                                                                                  | DLRelInd_01                                                                                  |                         |
|     | <b>ltree_lmsiAttachAndStopCh(par: LOGICCH)</b>                                                              |                                                                                              |                         |
| 107 | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.                                                                       | ChReq_09                                                                                     |                         |



|     |                                                                                                                                      |                                                                                              |     |                         |
|-----|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----|-------------------------|
| 108 | msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)<br>ACTIVATE(OtherEventsFail_02)                                                              |                                                                                              |     | To match ChReq retrans. |
| 109 | LIDL_UdatRqImm                                                                                                                       | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>TimingAdv_r01) |     |                         |
| 110 | L?DL_EstInLupRq                                                                                                                      | LocUp_34(MiTmsi_01<br>, TCV_ch, TCV_lac,<br>TCV_cksn)                                        | (P) |                         |
| 111 | ACTIVATE(OtherEventsFail)                                                                                                            |                                                                                              |     | Restore Normal default  |
| 112 | +Stopmaindcch( TCV_ch, par)                                                                                                          |                                                                                              |     |                         |
| 113 | <b>Itree_PerLupAndStopCh(par: LOGICCH)</b><br>L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)       | ChReq_09                                                                                     |     |                         |
| 114 | ACTIVATE(OtherEventsFail_02)                                                                                                         |                                                                                              |     | To match ChReq retrans. |
| 115 | LIDL_UdatRqImm                                                                                                                       | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>TimingAdv_r01) |     |                         |
| 116 | L?DL_EstInLupRq                                                                                                                      | LocUp_32(Milmsi_01,<br>TCV_ch, TCV_lac,<br>TCV_cksn)                                         | (P) |                         |
| 117 | ACTIVATE(OtherEventsFail)                                                                                                            |                                                                                              |     | Restore Normal default  |
| 118 | +Stopmaindcch( TCV_ch, par)                                                                                                          |                                                                                              |     |                         |
| 119 | <b>Itree_cmservinit(par1: MI; par2: BITSTRING)</b><br>START T_dly(15000)                                                             |                                                                                              |     |                         |
| 120 | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                     | ChReq_02                                                                                     |     |                         |
| 121 | ACTIVATE(OtherEventsFail_02)                                                                                                         |                                                                                              |     | To match ChReq retrans. |
| 122 | LIDL_UdatRqImm                                                                                                                       | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>TimingAdv_r01) |     |                         |
| 123 | L?DL_EstInCmsRq                                                                                                                      | CmserReq_31(par1,<br>par2)                                                                   | (P) |                         |
| 124 | ACTIVATE(OtherEventsFail)                                                                                                            |                                                                                              |     | Restore Normal default  |
| 125 | ?TIMEOUT T_dly                                                                                                                       |                                                                                              | (F) |                         |
| 126 | <b>Itree_LUPrej2(par_rej: REJCAU; par_mi:MI)</b><br>L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn) | ChReq_09                                                                                     |     |                         |
| 127 | ACTIVATE(OtherEventsFail_02)                                                                                                         |                                                                                              |     | To match ChReq retrans. |
| 128 | LIDL_UdatRqImm                                                                                                                       | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>TimingAdv_r01) |     |                         |
| 129 | L?DL_EstInLupRq                                                                                                                      | LocUp_34(par_mi,<br>TCV_ch, TCV_lac,<br>TCV_cksn)                                            |     |                         |
| 130 | ACTIVATE(OtherEventsFail)                                                                                                            |                                                                                              |     | Restore Normal default  |
| 131 | LIDL_DatRqLupRej                                                                                                                     | LocRej_01(par_rej,<br>TCV_ch)                                                                | (P) |                         |
| 132 | +ChanRel(TCV_ch)                                                                                                                     |                                                                                              |     |                         |
| 133 | <b>Itree_luprej3(par_mi:MI)</b><br>L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                  | ChReq_09                                                                                     |     |                         |
| 134 | ACTIVATE(OtherEventsFail_02)                                                                                                         |                                                                                              |     | To match ChReq retrans. |
| 135 | ?TIMEOUT T_dly                                                                                                                       |                                                                                              | (F) |                         |
| 136 | LIDL_UdatRqImm                                                                                                                       | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>TimingAdv_r01) |     |                         |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                           |                                                   |                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------|------------------------|
| 137                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | L?DL_EstInLupRq           | LocUp_34(par_mi,<br>TCV_ch, TCV_lac,<br>TCV_cksn) |                        |
| 138                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ACTIVATE(OtherEventsFail) |                                                   | Restore Normal default |
| 139                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | +ChanRel(TCV_ch)          |                                                   |                        |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                           |                                                   |                        |
| <p>1) Test of Conformance Requirement 1</p> <p>1.1) failure during a periodic location updating procedure</p> <p>1.2) - then the MS shall be able to establish an MM connection</p> <p>1.3) - then the MS shall not attempt a location updating procedure</p> <p>2) Test of Conformance Requirement 2</p> <p>2.1) failure during imsi attach procedure</p> <p>2.2) - then the MS shall be able to establish an MM connection</p> <p>2.3) - then the MS shall not attempt a location updating procedure</p> <p>3) Test of Conformance Requirement 3</p> <p>3.1) When a failure during a periodic location updating procedure and the attempt counter is smaller than 4 then the MS shall execute a periodic location updating procedure after T3211 expiry.</p> <p>3.2) When the attempt counter reaches 4 after T3212 expiry the MS shall make a LUP any type.</p> <p>4) Test of Conformance Requirement 4</p> <p>4.1) The attempt counter reaches the value 4</p> <p>4.2) then the MS shall use a request from CM layer for an emergency call as a trigger for a LUP.</p> <p>4.3) this part is optional</p> <p>5) Test of Conformance Requirement 5</p> <p>5.1) When a failure during an imsi attach procedure and the attempt counter is smaller than 4 then<br/>the MS shall execute a location updating procedure(imsi attach) after T3211expiry.</p> <p>5.2) Attempt Counter reaches the value 4</p> <p>5.3) When the attempt counter reaches 4 after T3212 expiry the MS shall make a normal LUP.</p> <p>6) Test of Conformance Requirement 6</p> <p>6.1) Failure during an imsi attach procedure and the attempt counter reaches the value 4.</p> <p>6.2) then the MS shall use a request from CM layer for an emergency call as a trigger for a LUP.</p> |                           |                                                   |                        |

| Test Case Dynamic Behaviour                                                                                                                                                                                             |       |                                                                                                          |                                                                                  |   |                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---|-------------------------|
| <b>Test Case Name:</b> TC_26_7_4_4                                                                                                                                                                                      |       |                                                                                                          |                                                                                  |   |                         |
| <b>Group:</b> GSM_L3_MS_v4160/MM/                                                                                                                                                                                       |       |                                                                                                          |                                                                                  |   |                         |
| <b>Purpose:</b> To verify that the MS aborts the RR-connection at the expiry of timer T3240.                                                                                                                            |       |                                                                                                          |                                                                                  |   |                         |
| <b>Default:</b> OtherEventsFail                                                                                                                                                                                         |       |                                                                                                          |                                                                                  |   |                         |
| <b>Comments:</b> Initial Conditions of MS:<br>The MS has valid TMSI and CKSN. It is "idle updated" on cell A.<br><br>Foreseen final state of the MS:<br>The MS has valid TMSI and CKSN. It is "idle updated" on cell B. |       |                                                                                                          |                                                                                  |   |                         |
| Nr                                                                                                                                                                                                                      | Label | Behaviour Description                                                                                    | CRef                                                                             | V | Comments                |
| 1                                                                                                                                                                                                                       |       | START T_guard(300)                                                                                       |                                                                                  |   |                         |
| 2                                                                                                                                                                                                                       |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                     |                                                                                  |   |                         |
| 3                                                                                                                                                                                                                       |       | +IdleUpdated(C_CellA, C_Imm, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)             |                                                                                  |   |                         |
| 4                                                                                                                                                                                                                       |       | +ltree_varinitA                                                                                          |                                                                                  |   |                         |
| 5                                                                                                                                                                                                                       |       | (TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB))                                            |                                                                                  |   |                         |
| 6                                                                                                                                                                                                                       |       | +IdleState_2cellIMM2(C_CellA, C_Imm, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O) |                                                                                  |   |                         |
| 7                                                                                                                                                                                                                       | body  | +ltree_switchcelltoB_Anotsuitable                                                                        |                                                                                  |   |                         |
| 8                                                                                                                                                                                                                       |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                          | ChReq_09                                                                         |   |                         |
| 9                                                                                                                                                                                                                       |       | ACTIVATE(OtherEventsFail_02)                                                                             |                                                                                  |   | To match ChReq retrans. |
| 10                                                                                                                                                                                                                      |       | LIDL_UdatRqImm                                                                                           | ImmAss_20(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_r01) |   |                         |
| 11                                                                                                                                                                                                                      |       | L?DL_EstInLupRq                                                                                          | LocUp_05                                                                         |   |                         |
| 12                                                                                                                                                                                                                      |       | ACTIVATE(OtherEventsFail)                                                                                |                                                                                  |   | Restore Normal default  |
| 13                                                                                                                                                                                                                      |       | START                                                                                                    |                                                                                  |   |                         |
| 14                                                                                                                                                                                                                      |       | T_dly(C_T_T3240min)                                                                                      |                                                                                  |   |                         |
| 15                                                                                                                                                                                                                      |       | ?TIMEOUT T_dly                                                                                           |                                                                                  |   |                         |
| 16                                                                                                                                                                                                                      |       | START                                                                                                    |                                                                                  |   |                         |
| 17                                                                                                                                                                                                                      |       | T_dly(C_T_T3240tol)                                                                                      |                                                                                  |   |                         |
| 18                                                                                                                                                                                                                      |       | L?DL_Relln                                                                                               | DLRelInd_01                                                                      | P | 1)                      |
| 19                                                                                                                                                                                                                      |       | ?TIMEOUT T_dly                                                                                           |                                                                                  | F |                         |
| 20                                                                                                                                                                                                                      |       | <b>ltree_switchcelltoB_Anotsuitable</b>                                                                  |                                                                                  |   |                         |
| 21                                                                                                                                                                                                                      |       | +ltree_varinitB                                                                                          |                                                                                  |   |                         |
| 22                                                                                                                                                                                                                      |       | +ChangeRfLev_2Cells(C_CellB, 63, C_CellA, 53)                                                            |                                                                                  |   |                         |
| 23                                                                                                                                                                                                                      |       | <b>ltree_varinitA</b>                                                                                    |                                                                                  |   |                         |
| 24                                                                                                                                                                                                                      |       | +Varinit_fixA                                                                                            |                                                                                  |   |                         |
| 25                                                                                                                                                                                                                      |       | <b>ltree_varinitB</b>                                                                                    |                                                                                  |   |                         |
| 26                                                                                                                                                                                                                      |       | +Varinit_fixB                                                                                            |                                                                                  |   |                         |
| <b>Detailed Comments:</b> 1) MS shall release the L2-Connection after expiring of T3240.                                                                                                                                |       |                                                                                                          |                                                                                  |   |                         |

| Test Case Dynamic Behaviour                                                                                                                                                                                            |       |                                                                                                                                                               |      |   |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Case Name:</b> TC_26_7_4_5_1                                                                                                                                                                                   |       |                                                                                                                                                               |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/MM/                                                                                                                                                                                      |       |                                                                                                                                                               |      |   |          |
| <b>Purpose:</b>                                                                                                                                                                                                        |       |                                                                                                                                                               |      |   |          |
| 1) To check that when the location updating timer is reduced, the timer running in the MS is started with a value depending on the current timer value and the new broadcasted T3212 value.                            |       |                                                                                                                                                               |      |   |          |
| 2) To verify that when the MS is reactivated in the same cell (as the one in which it was deactivated), IMSI attach being forbidden, the MS starts the timer T3212 with a value between zero and the broadcasted value |       |                                                                                                                                                               |      |   |          |
| <b>Default:</b> OtherEventsFail                                                                                                                                                                                        |       |                                                                                                                                                               |      |   |          |
| <b>Comments:</b> Initial Conditions of MS:<br>The MS is deactivated. The stored MCC, MNC and LAC correspond to the broadcasted values. The stored update status is "updated".                                          |       |                                                                                                                                                               |      |   |          |
| Foreseen final state of the MS:<br>The MS has valid TMSI and CKSN. It is "idle updated" on cell A.                                                                                                                     |       |                                                                                                                                                               |      |   |          |
| Nr                                                                                                                                                                                                                     | Label | Behaviour Description                                                                                                                                         | CRef | V | Comments |
| 1                                                                                                                                                                                                                      |       | START T_guard(1200)                                                                                                                                           |      |   |          |
| 2                                                                                                                                                                                                                      |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                          |      |   |          |
| 3                                                                                                                                                                                                                      |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                               |      |   |          |
| 4                                                                                                                                                                                                                      |       | +SwitchoffOrPowerdown                                                                                                                                         |      |   |          |
| 5                                                                                                                                                                                                                      |       | +Varinit_fixA                                                                                                                                                 |      |   |          |
| 6                                                                                                                                                                                                                      |       | +StartCellA_MM3(C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 1, '000'B, '001'B, '011'B, '05'O)                                                                 |      |   |          |
| 7                                                                                                                                                                                                                      |       | +SwitchonOrPowerup                                                                                                                                            |      |   |          |
| 8                                                                                                                                                                                                                      |       | +ImsiAttach(MiTmsi_01, TimingAdv_r01)                                                                                                                         |      |   |          |
| 9                                                                                                                                                                                                                      |       | START T_dly(180000)                                                                                                                                           |      |   |          |
| 10                                                                                                                                                                                                                     |       | START T_dly2(C_T_T3212min)                                                                                                                                    |      |   |          |
| 11                                                                                                                                                                                                                     |       | ?TIMEOUT T_dly                                                                                                                                                |      |   |          |
| 12                                                                                                                                                                                                                     |       | +sys1                                                                                                                                                         |      |   |          |
| 13                                                                                                                                                                                                                     |       | +step1                                                                                                                                                        |      |   |          |
| 14                                                                                                                                                                                                                     |       | +sys2                                                                                                                                                         |      |   |          |
| 15                                                                                                                                                                                                                     |       | +step2                                                                                                                                                        |      |   |          |
|                                                                                                                                                                                                                        |       | <b>sys1</b>                                                                                                                                                   |      |   |          |
| 16                                                                                                                                                                                                                     |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                      |      |   |          |
| 17                                                                                                                                                                                                                     |       | +SysInfoSending_MM_A(BcchFreqLst_01,C_ci_cell A,LocAreald_01,CntrlChDscrp(1, '000'B, '001'B, '011'B, '01'O), CellSelPara_01, CellChDes_02, RachCntrlPara_r01) |      |   | 1)       |
| 18                                                                                                                                                                                                                     |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                  |      |   |          |
| 19                                                                                                                                                                                                                     |       | [TSPC_DCS]                                                                                                                                                    |      |   |          |
| 20                                                                                                                                                                                                                     |       | +SysInfoSending_MM_A(BcchFreqLst_48,C_ci_cell A,LocAreald_01,CntrlChDscrp(1, '000'B, '001'B, '011'B, '01'O), CellSelPara_04, CellChDes_03, RachCntrlPara_r01) |      |   | 1)       |
| 21                                                                                                                                                                                                                     |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                  |      |   |          |
|                                                                                                                                                                                                                        |       | <b>step1</b>                                                                                                                                                  |      |   |          |
| 22                                                                                                                                                                                                                     |       | ?TIMEOUT T_dly2                                                                                                                                               |      |   | 2)       |
| 23                                                                                                                                                                                                                     |       | +MM_LUPper2(30000, C_PLMN_1, TCV_lac, TimingAdv_r01)                                                                                                          |      |   |          |
| 24                                                                                                                                                                                                                     |       | +ChanRel(TCV_ch)                                                                                                                                              |      |   |          |
|                                                                                                                                                                                                                        |       | <b>sys2</b>                                                                                                                                                   |      |   |          |
| 25                                                                                                                                                                                                                     |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                      |      |   |          |
| 26                                                                                                                                                                                                                     |       | +SysInfoSending_MM_A(BcchFreqLst_01,C_ci_cell A,LocAreald_01,CntrlChDscrp(0, '000'B, '001'B, '011'B, '01'O), CellSelPara_01, CellChDes_02, RachCntrlPara_r01) |      |   |          |
| 27                                                                                                                                                                                                                     |       | +SysInfo_SacchSending(TCV_sacch,                                                                                                                              |      |   |          |

|                           |                                                                                                                                                                     |                                                                                                    |    |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----|
| 28                        | TCV_sysinfo5, TCV_sysinfo6)                                                                                                                                         |                                                                                                    |    |
| 29                        | [TSPC_DCS]                                                                                                                                                          |                                                                                                    |    |
| 30                        | +SysInfoSending_MM_A(BcchFreqLst_48,C_ci_cell<br>A,LocAreald_01,CntrlChDscrp(0,'000'B,'001'B,<br>'011'B,'01'O), CellSelPara_04, CellChDes_03,<br>RachCntrlPara_r01) |                                                                                                    |    |
| 31                        | +SysInfo_SacchSending(TCV_sacch,<br>TCV_sysinfo5, TCV_sysinfo6)                                                                                                     |                                                                                                    |    |
| 32                        | <b>step2</b>                                                                                                                                                        |                                                                                                    |    |
| 33                        | +SwitchOff                                                                                                                                                          |                                                                                                    |    |
| 34                        | +SwitchOn                                                                                                                                                           |                                                                                                    |    |
|                           | +MM_LUPper2( 420000, C_PLMN_1, TCV_lac,<br>TimingAdv_r01)                                                                                                           |                                                                                                    | 3) |
|                           | +ChanRel_end(TCV_ch)                                                                                                                                                |                                                                                                    |    |
| <b>Detailed Comments:</b> |                                                                                                                                                                     | 1) Reducing of the timer T3212                                                                     |    |
|                           |                                                                                                                                                                     | 2) MS shall use the new value of T3212 for periodic updating.                                      |    |
|                           |                                                                                                                                                                     | 3) MS shall start the periodic location updating between 0 sec. and 6min after switching on of MS. |    |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                 |                                                                                  |     |                         |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_7_4_5_2                                                                                                                                                                                                                                                                   |                                                                                  |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/MM/                                                                                                                                                                                                                                                             |                                                                                  |     |                         |
| <b>Purpose:</b>             |       | To verify that the MS stops and resets the timer T3212 of the periodic location updating procedure when:                                                                                                                                                                        |                                                                                  |     |                         |
|                             |       | <ul style="list-style-type: none"> <li>- the first MM-message is received in the case of MM-connection establishment, ciphering mode being not set,</li> <li>- the MS has responded to paging and the first correct L3 message is received that is not an RR message</li> </ul> |                                                                                  |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                 |                                                                                  |     |                         |
| <b>Comments:</b>            |       | Initial Conditions of MS:<br>The MS has valid TMSI and CKSN.It is "idle updated" on cell A.                                                                                                                                                                                     |                                                                                  |     |                         |
|                             |       | Foreseen final state of the MS:<br>The MS has valid TMSI and CKSN. It is "idle updated" on cell A.                                                                                                                                                                              |                                                                                  |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                           | CRef                                                                             | V   | Comments                |
| 1                           |       | START T_guard(1800)                                                                                                                                                                                                                                                             |                                                                                  |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                            |                                                                                  |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                 |                                                                                  |     |                         |
| 4                           |       | +ltree_varinitA                                                                                                                                                                                                                                                                 |                                                                                  |     |                         |
| 5                           |       | +StartCellA_MM4(C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '02'O)                                                                                                                                                                                   |                                                                                  |     |                         |
| 6                           | body  | +AttmpCall                                                                                                                                                                                                                                                                      |                                                                                  |     |                         |
| 7                           |       | +BasicServiceMO(TSPX_MO_BscSvc_AnyCall, TSPX_MO_rate_AnyCall)                                                                                                                                                                                                                   |                                                                                  |     |                         |
| 8                           |       | START T_dly(705000)                                                                                                                                                                                                                                                             |                                                                                  |     |                         |
| 9                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                    | ChReq_02                                                                         |     |                         |
| 10                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                    |                                                                                  |     | To match ChReq retrans. |
| 11                          |       | L!DL_UdatRqImmass                                                                                                                                                                                                                                                               | ImmAss_20(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_r01) |     |                         |
| 12                          |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                 | CmserReq_01                                                                      | (P) |                         |
| 13                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                       |                                                                                  |     | Restore Normal default  |
| 14                          |       | L!DL_DatRqCmsRej                                                                                                                                                                                                                                                                | CmserRej_30(C_rc_networkfailure, TCV_ch)                                         |     |                         |
| 15                          |       | +ChanRel(TCV_ch)                                                                                                                                                                                                                                                                |                                                                                  |     |                         |
| 16                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                  |                                                                                  |     |                         |
| 17                          |       | +MM_LUPper2(30000, C_PLMN_1, TCV_lac, TimingAdv_r01)                                                                                                                                                                                                                            |                                                                                  |     |                         |
| 18                          |       | +ChanRel(TCV_ch)                                                                                                                                                                                                                                                                |                                                                                  |     |                         |
| 19                          |       | START T_dly(60000)                                                                                                                                                                                                                                                              |                                                                                  |     |                         |
| 20                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                  |                                                                                  |     |                         |
| 21                          |       | +ltree_continue                                                                                                                                                                                                                                                                 |                                                                                  |     |                         |
| 22                          |       | <b>ltree_continue</b><br>+CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                         |                                                                                  |     |                         |
| 23                          |       | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                                                | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_30(Milmsi_01))                                |     |                         |
| 24                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                    | ChReq_01                                                                         |     |                         |
| 25                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                    |                                                                                  |     | To match ChReq retrans. |
| 26                          |       | L!DL_UdatRqImmass                                                                                                                                                                                                                                                               | ImmAss_20(TCV_Rr, TCV_Fn, TCV_agch,                                              |     |                         |

|                                                                          |                                                            |                                                    |                        |
|--------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------|------------------------|
| 27                                                                       | L?DL_EstInPgRes                                            | TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>TimingAdv_r01) |                        |
| 28                                                                       | ACTIVATE(OtherEventsFail)                                  | PgRes_01                                           | Restore Normal default |
| 29                                                                       | +Authentication(TCV_ch, TCV_cksn)                          |                                                    | 1)                     |
| 30                                                                       | +ChanRel(TCV_ch)                                           |                                                    | 2)                     |
| 31                                                                       | START T_dly(705000)                                        |                                                    |                        |
| 32                                                                       | ?TIMEOUT T_dly                                             |                                                    |                        |
| 33                                                                       | +MM_LUPper2(30000,<br>C_PLMN_1, TCV_lac,<br>TimingAdv_r01) |                                                    |                        |
| 34                                                                       | +ChanRel_end(TCV_ch)                                       |                                                    |                        |
| 35                                                                       | <b>ltree_varinitA</b><br>+Varinit_fixA                     |                                                    |                        |
| <b>Detailed Comments:</b>                                                |                                                            |                                                    |                        |
| 1) MS shall stop the timer T3212 after receiving of the first L3-message |                                                            |                                                    |                        |
| 2) MS shall reset and restart the timer T3212                            |                                                            |                                                    |                        |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                        |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_7_4_5_3                                                                                                                                                                                          |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/MM/                                                                                                                                                                                    |      |   |          |
| <b>Purpose:</b>             |       | To verify that the MS stops and resets the timer T3212 of the periodic location updating procedure when a Location Updating Accept or a Location Updating Reject message is received.                  |      |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                        |      |   |          |
| <b>Comments:</b>            |       | Initial Conditions of MS:<br>The MS has valid TMSI and CKSN. It is "idle updated" on cell A.<br><br>Foreseen final state of the MS:<br>The MS has valid TMSI and CKSN. It is "idle updated" on cell B. |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                  | CRef | V | Comments |
| 1                           |       | START T_guard(1200)                                                                                                                                                                                    |      |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                   |      |   |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                        |      |   |          |
| 4                           |       | (TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB))                                                                               |      |   |          |
| 5                           |       | +IdleState_2cellMM(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 1, '000'B, '001'B, '011'B, '01'O)                                                                                              |      |   |          |
| 6                           | body  | +Itree_switchcelltoB_Anotsuitable                                                                                                                                                                      |      |   |          |
| 7                           |       | +MM_LUP3(C_PLMN_2, TCV_lac, TimingAdv_r01)                                                                                                                                                             |      |   | 1)       |
| 8                           |       | +NoReaction(345000)                                                                                                                                                                                    |      |   |          |
| 9                           |       | +MM_LUPper2(30000, C_PLMN_2, TCV_lac, TimingAdv_r01)                                                                                                                                                   |      |   |          |
| 10                          |       | +ChanRel(TCV_ch)                                                                                                                                                                                       |      |   |          |
| 11                          |       | +MM_PwrOrSimOff                                                                                                                                                                                        |      |   |          |
| 12                          |       | +ImsiDetach(Milmsi_01, C_AGC_H_B_1, TimingAdv_r01)                                                                                                                                                     |      |   | 2)       |
| 13                          |       | +MM_PwrOrSimOn                                                                                                                                                                                         |      |   |          |
| 14                          |       | +ImsiAttach(Milmsi_01, TimingAdv_r01)                                                                                                                                                                  |      |   |          |
| 15                          |       | +NoReaction(345000)                                                                                                                                                                                    |      |   |          |
| 16                          |       | +MM_LUPper2( 30000, C_PLMN_2, TCV_lac, TimingAdv_r01)                                                                                                                                                  |      |   |          |
| 17                          |       | +ChanRel_end(TCV_ch)                                                                                                                                                                                   |      |   |          |
| 18                          |       | <b>Itree_switchcelltoB_Anotsuitable</b><br>+Itree_varinitB                                                                                                                                             |      |   |          |
| 19                          |       | +ChangeRfLev_2Cells(C_CellB, 63, C_CellA, 53)                                                                                                                                                          |      |   |          |
| 20                          |       | <b>Itree_varinitB</b><br>+Varinit_fixB                                                                                                                                                                 |      |   |          |
| <b>Detailed Comments:</b>   |       | 1) MS shall reset the timer T3212 after normal location updating<br>2) MS shall reset the timer T3212 after IMSI attach procedure.                                                                     |      |   |          |



| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                |                                                                                  |     |                         |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_7_4_5_4_1                                                                                                                                                                                                                                                                                                                                |                                                                                  |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/MM/                                                                                                                                                                                                                                                                                                                            |                                                                                  |     |                         |
| <b>Purpose:</b>             |       | To verify that when a cell of the HPLMN becomes available, following the successful location request on the VPLMN of the home country and after the first search the mobile has failed to find its HPLMN, that the MS shall perform a location update request on the HPLMN after time T. Where T is the HPLMN Search Period stored in the SIM. |                                                                                  |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                |                                                                                  |     |                         |
| <b>Comments:</b>            |       | Initial Conditions of MS:<br>The MS is switched off. The HPLMN Search Period on the SIM shall be set to 6 minutes.<br>The Location Area Information on the SIM is deleted.<br><br>Foreseen final state of the MS:<br>The MS has valid TMSI and CKSN. It is "idle updated" on cell A.                                                           |                                                                                  |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                          | CRef                                                                             | V   | Comments                |
| 1                           |       | START T_guard(1020)                                                                                                                                                                                                                                                                                                                            |                                                                                  |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                           |                                                                                  |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                |                                                                                  |     |                         |
| 4                           |       | +IdleState_cellB3(C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                |                                                                                  |     | 1)                      |
| 5                           |       | +SwitchoffOrPowerdown                                                                                                                                                                                                                                                                                                                          |                                                                                  |     |                         |
| 6                           |       | +StartCellB_3(C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                    |                                                                                  |     |                         |
| 7                           | body  | +ltree_continue_body                                                                                                                                                                                                                                                                                                                           |                                                                                  |     |                         |
|                             |       | <b>ltree_continue_body</b>                                                                                                                                                                                                                                                                                                                     |                                                                                  |     |                         |
| 8                           |       | +SwitchonOrPowerup                                                                                                                                                                                                                                                                                                                             |                                                                                  |     |                         |
| 9                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq, msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                  | ChReq_02                                                                         |     |                         |
| 10                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                   |                                                                                  |     | To match ChReq retrans. |
| 11                          |       | L!DL_UdatRqImmass                                                                                                                                                                                                                                                                                                                              | ImmAss_20(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_r01) |     |                         |
| 12                          |       | L?DL_EstInLupRq                                                                                                                                                                                                                                                                                                                                | LocUp_02                                                                         | (P) |                         |
| 13                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                      |                                                                                  |     | Restore Normal default  |
| 14                          |       | L!DL_DatRqLupAcp                                                                                                                                                                                                                                                                                                                               | LocAcp_31(TCV_ch, TCV_lac)                                                       |     | PLMN2                   |
| 15                          |       | +ChanRel(TCV_ch)                                                                                                                                                                                                                                                                                                                               |                                                                                  |     |                         |
| 16                          |       | +NoReaction(360000)                                                                                                                                                                                                                                                                                                                            |                                                                                  |     |                         |
| 17                          |       | +ltree_varinitA                                                                                                                                                                                                                                                                                                                                |                                                                                  |     |                         |
| 18                          |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                           |                                                                                  |     |                         |
| 19                          |       | +StartCellA(C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                      |                                                                                  |     |                         |
| 20                          |       | START T_dly(480000)                                                                                                                                                                                                                                                                                                                            |                                                                                  |     |                         |
| 21                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                 |                                                                                  | (F) |                         |
| 22                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq, msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                  | ChReq_09                                                                         | (P) |                         |
| 23                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                   |                                                                                  |     | To match ChReq retrans. |
| 24                          |       | L!DL_UdatRqImmass                                                                                                                                                                                                                                                                                                                              | ImmAss_20(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_r01) |     |                         |
| 25                          |       | L?DL_EstInLupRq                                                                                                                                                                                                                                                                                                                                | LocUp_02                                                                         | (P) |                         |
| 26                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                      |                                                                                  |     | Restore Normal default  |
| 27                          |       | L!DL_DatRqLup                                                                                                                                                                                                                                                                                                                                  | LocAcp_32(TCV_ch,                                                                |     | PLMN1                   |

|                                                                                     |                                        |                          |          |  |  |
|-------------------------------------------------------------------------------------|----------------------------------------|--------------------------|----------|--|--|
| 28                                                                                  |                                        | Acp                      | TCV_lac) |  |  |
|                                                                                     |                                        | +ChanRel_en<br>d(TCV_ch) |          |  |  |
| 29                                                                                  | <b>ltree_varinitA</b><br>+Varinit_fixA |                          |          |  |  |
| 30                                                                                  | <b>ltree_varinitB</b><br>+Varinit_fixB |                          |          |  |  |
| <b>Detailed Comments:</b> 1) Initial condition: LAI deleted, HPLMNsearchperiod=6min |                                        |                          |          |  |  |

| Test Case Dynamic Behaviour                                                                                                                                                                                                                                                                           |       |                                                                                                 |                                                                                  |     |                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b> TC_26_7_4_5_4_2                                                                                                                                                                                                                                                                |       |                                                                                                 |                                                                                  |     |                         |
| <b>Group:</b> GSM_L3_MS_v4160/MM/                                                                                                                                                                                                                                                                     |       |                                                                                                 |                                                                                  |     |                         |
| <b>Purpose:</b> To verify that no HPLMN Search is performed when the MS is not in automatic mode                                                                                                                                                                                                      |       |                                                                                                 |                                                                                  |     |                         |
| <b>Default:</b> OtherEventsFail                                                                                                                                                                                                                                                                       |       |                                                                                                 |                                                                                  |     |                         |
| <b>Comments:</b> Initial Conditions of MS:<br>The MS is switched off. The HPLMN Search Period on the SIM shall be set to 6 minutes.<br>The Location Area Information on the SIM is deleted.<br><br>Foreseen final state of the MS:<br>The MS has valid TMSI and CKSN. It is "idle updated" on cell B. |       |                                                                                                 |                                                                                  |     |                         |
| Nr                                                                                                                                                                                                                                                                                                    | Label | Behaviour Description                                                                           | CRef                                                                             | V   | Comments                |
| 1                                                                                                                                                                                                                                                                                                     |       | START T_guard(420)                                                                              |                                                                                  |     |                         |
| 2                                                                                                                                                                                                                                                                                                     |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                            |                                                                                  |     |                         |
| 3                                                                                                                                                                                                                                                                                                     |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O) |                                                                                  |     |                         |
| 4                                                                                                                                                                                                                                                                                                     |       | +IdleState_cellB3(C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O) |                                                                                  |     |                         |
| 5                                                                                                                                                                                                                                                                                                     |       | +SwitchoffOrPowerdown                                                                           |                                                                                  |     |                         |
| 6                                                                                                                                                                                                                                                                                                     |       | +StartCellB_3(C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O)     |                                                                                  |     |                         |
| 7                                                                                                                                                                                                                                                                                                     |       | +ltree_continue_body                                                                            |                                                                                  |     |                         |
|                                                                                                                                                                                                                                                                                                       |       | <b>ltree_continue_body</b>                                                                      |                                                                                  |     |                         |
| 8                                                                                                                                                                                                                                                                                                     |       | +SwitchonOrPowerup                                                                              |                                                                                  |     |                         |
| 9                                                                                                                                                                                                                                                                                                     |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq, msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                   | ChReq_02                                                                         |     |                         |
| 10                                                                                                                                                                                                                                                                                                    |       | ACTIVATE(OtherEventsFail_02)                                                                    |                                                                                  |     | To match ChReq retrans. |
| 11                                                                                                                                                                                                                                                                                                    |       | LIDL_UdatRqImmass                                                                               | ImmAss_20(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_r01) |     |                         |
| 12                                                                                                                                                                                                                                                                                                    |       | L?DL_EstInLupRq                                                                                 | LocUp_02                                                                         | (P) |                         |
| 13                                                                                                                                                                                                                                                                                                    |       | ACTIVATE(OtherEventsFail)                                                                       |                                                                                  |     | Restore Normal default  |
| 14                                                                                                                                                                                                                                                                                                    |       | L!DL_DatRqLupAcp                                                                                | LocAcp_31(TCV_ch, TCV_lac)                                                       |     | PLMN2                   |
| 15                                                                                                                                                                                                                                                                                                    |       | +ChanRel(TCV_ch)                                                                                |                                                                                  |     |                         |
| 16                                                                                                                                                                                                                                                                                                    |       | (TCV_Null := OO_PLMNselModeMan())                                                               |                                                                                  | 2)  |                         |
| 17                                                                                                                                                                                                                                                                                                    |       | +ltree_varinitA                                                                                 |                                                                                  |     |                         |
| 18                                                                                                                                                                                                                                                                                                    |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                            |                                                                                  |     |                         |
| 19                                                                                                                                                                                                                                                                                                    |       | +StartCellA(C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O)       |                                                                                  | 3)  |                         |
| 20                                                                                                                                                                                                                                                                                                    |       | +NoReaction(420000)                                                                             |                                                                                  |     |                         |
|                                                                                                                                                                                                                                                                                                       |       | <b>ltree_varinitA</b>                                                                           |                                                                                  |     |                         |
| 21                                                                                                                                                                                                                                                                                                    |       | +Varinit_fixA                                                                                   |                                                                                  |     |                         |
|                                                                                                                                                                                                                                                                                                       |       | <b>ltree_varinitB</b>                                                                           |                                                                                  |     |                         |
| 22                                                                                                                                                                                                                                                                                                    |       | +Varinit_fixB                                                                                   |                                                                                  |     |                         |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                             |       |                                                                                                 |                                                                                  |     |                         |
| 1) Initial condition: LAI deleted, HPLMNsearchperiod=6min                                                                                                                                                                                                                                             |       |                                                                                                 |                                                                                  |     |                         |
| 2) MS in manual mode.                                                                                                                                                                                                                                                                                 |       |                                                                                                 |                                                                                  |     |                         |
| 3) made cell A available.                                                                                                                                                                                                                                                                             |       |                                                                                                 |                                                                                  |     |                         |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                      |                                                                                  |     |                         |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_7_4_5_4_3                                                                                                                                                                                                                                                                      |                                                                                  |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/MM/                                                                                                                                                                                                                                                                  |                                                                                  |     |                         |
| <b>Purpose:</b>             |       | To verify that the MS waits at least 2 minutes and at most T minutes before attempting its first HPLMN Search.                                                                                                                                                                       |                                                                                  |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                      |                                                                                  |     |                         |
| <b>Comments:</b>            |       | Initial Conditions of MS:<br>The MS is switched off. The HPLMN Search Period on the SIM shall be set to 6 minutes.<br>The Location Area Information on the SIM is deleted.<br><br>Foreseen final state of the MS:<br>The MS has valid TMSI and CKSN. It is "idle updated" on cell A. |                                                                                  |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                | CRef                                                                             | V   | Comments                |
| 1                           |       | START T_guard(480)                                                                                                                                                                                                                                                                   |                                                                                  |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                 |                                                                                  |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                      |                                                                                  |     |                         |
| 4                           |       | +IdleState_cellB3(C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                      |                                                                                  |     | 1)                      |
| 5                           |       | +SwitchoffOrPowerdown                                                                                                                                                                                                                                                                |                                                                                  |     |                         |
| 6                           |       | +StartCellB_3(C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                          |                                                                                  |     |                         |
| 7                           |       | +ltree_continue_body                                                                                                                                                                                                                                                                 |                                                                                  |     |                         |
|                             |       | <b>ltree_continue_body</b>                                                                                                                                                                                                                                                           |                                                                                  |     |                         |
| 8                           |       | +SwitchonOrPowerup                                                                                                                                                                                                                                                                   |                                                                                  |     |                         |
| 9                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                         | ChReq_02                                                                         |     |                         |
| 10                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                         |                                                                                  |     | To match ChReq retrans. |
| 11                          |       | LIDL_UdatRqImmass                                                                                                                                                                                                                                                                    | ImmAss_20(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_r01) |     |                         |
| 12                          |       | L?DL_EstInLupRq                                                                                                                                                                                                                                                                      | LocUp_02                                                                         | (P) |                         |
| 13                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                            |                                                                                  |     | Restore Normal default  |
| 14                          |       | LIDL_DatRqLupAcp                                                                                                                                                                                                                                                                     | LocAcp_31(TCV_ch, TCV_lac)                                                       |     | PLMN2                   |
| 15                          |       | +ChanRel(TCV_ch)                                                                                                                                                                                                                                                                     |                                                                                  |     |                         |
| 16                          |       | +ltree_varinitA                                                                                                                                                                                                                                                                      |                                                                                  |     |                         |
| 17                          |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                 |                                                                                  |     |                         |
| 18                          |       | +StartCellA(C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                            |                                                                                  |     | 2)                      |
| 19                          |       | +NoReaction(120000)                                                                                                                                                                                                                                                                  |                                                                                  |     |                         |
| 20                          |       | START T_dly(360000)                                                                                                                                                                                                                                                                  |                                                                                  |     | 3)                      |
| 21                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                       |                                                                                  | (F) |                         |
| 22                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                         | ChReq_02                                                                         | (P) |                         |
| 23                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                         |                                                                                  |     | To match ChReq retrans. |
| 24                          |       | LIDL_UdatRqImmass                                                                                                                                                                                                                                                                    | ImmAss_20(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_r01) |     |                         |
| 25                          |       | L?DL_EstInLupRq                                                                                                                                                                                                                                                                      | LocUp_02                                                                         | (P) |                         |
| 26                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                            |                                                                                  |     | Restore Normal default  |
| 27                          |       | LIDL_DatRqLupAcp                                                                                                                                                                                                                                                                     | LocAcp_32(TCV_ch, TCV_lac)                                                       |     | PLMN1                   |
| 28                          |       | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                 |                                                                                  |     |                         |

|                                                                                                                                                                                                               |                                        |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--|--|--|
| 29                                                                                                                                                                                                            | <b>Itree_varinitA</b><br>+Varinit_fixA |  |  |  |
| 30                                                                                                                                                                                                            | <b>Itree_varinitB</b><br>+Varinit_fixB |  |  |  |
| <b>Detailed Comments:</b><br>1) Initial condition: LAI deleted, HPLMNsearchperiod=6min<br>2) made cell A available.<br>3) MS shall send the messages on cell A within T minutes. T means HPLMN search period. |                                        |  |  |  |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                        |          |     |                         |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_7_4_6                                                                                                                                                                                                                                                                                                                                                                                                            |          |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/MM/                                                                                                                                                                                                                                                                                                                                                                                                    |          |     |                         |
| <b>Purpose:</b>             |       | 1) To check that if the PLU timer expires while the MS is out of coverage, the MS informs the network of its return to coverage.<br>2) To check that the PLU timer is not disturbed by cells of forbidden PLMNs.<br>3) To check that if the PLU timer does not expire while out of coverage and if the mobile returns to the LA where it is updated, the mobile does not inform the network of its return to coverage. |          |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                        |          |     |                         |
| <b>Comments:</b>            |       | Initial Conditions of MS:<br>The MS is deactivated. The PLMN of cell B is entered in the SIM's forbidden PLMN list.<br><br>Foreseen final state of the MS:<br>The MS is "idle updated". The PLMN of cell B is entered in the SIM's forbidden PLMN list.                                                                                                                                                                |          |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                  | CRef     | V   | Comments                |
| 1                           |       | START T_guard(2100)                                                                                                                                                                                                                                                                                                                                                                                                    |          |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                   |          |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                        |          |     |                         |
| 4                           |       | +ltree_varinitA                                                                                                                                                                                                                                                                                                                                                                                                        |          |     |                         |
| 5                           |       | (TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB))                                                                                                                                                                                                                                                                                               |          |     |                         |
| 6                           |       | +StartCellAandB2PLMN(C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O, '00'O)                                                                                                                                                                                                                                                                                                              |          |     |                         |
| 7                           |       | +ltree_switchcelltoB                                                                                                                                                                                                                                                                                                                                                                                                   |          |     |                         |
| 8                           |       | +MM_LupRej2(C_rc_plmn_not, MiTmsi_01, C_laccella, TimingAdv_r01)                                                                                                                                                                                                                                                                                                                                                       |          |     | PR 1)                   |
| 9                           |       | +ltree_switchcelltoA                                                                                                                                                                                                                                                                                                                                                                                                   |          |     |                         |
| 10                          |       | +MM_LUP(MiTmsi_01iei, C_lacdeleted, TimingAdv_r01)                                                                                                                                                                                                                                                                                                                                                                     |          |     | PR 2)                   |
| 11                          |       | +SwitchoffOrPowerdown                                                                                                                                                                                                                                                                                                                                                                                                  |          |     |                         |
| 12                          |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                   |          |     |                         |
| 13                          |       | +StartCellAandB(C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 1, '000'B, '001'B, '011'B, '02'O, '01'O)                                                                                                                                                                                                                                                                                                                   |          |     |                         |
| 14                          |       | +ltree_continue_body                                                                                                                                                                                                                                                                                                                                                                                                   |          |     |                         |
|                             |       | <b>ltree_continue_body</b>                                                                                                                                                                                                                                                                                                                                                                                             |          |     |                         |
| 15                          |       | +SwitchonOrPowerup                                                                                                                                                                                                                                                                                                                                                                                                     |          |     |                         |
| 16                          |       | +ltree_automode                                                                                                                                                                                                                                                                                                                                                                                                        |          |     | 1)                      |
| 17                          |       | +ltree_imsiattach                                                                                                                                                                                                                                                                                                                                                                                                      |          |     | 2)                      |
| 18                          |       | START T_dly(705000)                                                                                                                                                                                                                                                                                                                                                                                                    |          |     | 3)                      |
| 19                          |       | +Wait(60000)                                                                                                                                                                                                                                                                                                                                                                                                           |          |     |                         |
| 20                          |       | +StopCellA                                                                                                                                                                                                                                                                                                                                                                                                             |          |     |                         |
| 21                          |       | +NoReaction(420000)                                                                                                                                                                                                                                                                                                                                                                                                    |          |     |                         |
| 22                          |       | +StartCellAandB(C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 1, '000'B, '001'B, '011'B, '02'O, '01'O)                                                                                                                                                                                                                                                                                                                   |          |     |                         |
| 23                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                         |          | (P) | 3)                      |
| 24                          |       | START T_dly(30000)                                                                                                                                                                                                                                                                                                                                                                                                     |          |     |                         |
| 25                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                         |          | (F) | 4)                      |
| 26                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)<br>CANCEL T_dly                                                                                                                                                                                                                                                                                                                           | ChReq_02 | (P) | 4)                      |
| 27                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                                           |          |     | To match ChReq retrans. |
| 28                          |       | +ltree_perluprest                                                                                                                                                                                                                                                                                                                                                                                                      |          |     | 4)                      |
| 29                          |       | +Wait(180000)                                                                                                                                                                                                                                                                                                                                                                                                          |          |     |                         |
| 30                          |       | +StopCellA                                                                                                                                                                                                                                                                                                                                                                                                             |          |     |                         |
| 31                          |       | +ltree_continue                                                                                                                                                                                                                                                                                                                                                                                                        |          |     |                         |

|                                                                                         |                                                                                                   |                                                                                  |     |                         |
|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----|-------------------------|
| 32                                                                                      | <b>ltree_continue</b>                                                                             |                                                                                  |     |                         |
| 33                                                                                      | +NoReaction(660000)                                                                               |                                                                                  |     | 5)                      |
| 34                                                                                      | +StartCellAandB(C_Imm, TCV_slot, TCV_tsc, TimingAdv_r01, 1, '000'B, '001'B, '011'B, '02'O, '01'O) |                                                                                  |     |                         |
| 35                                                                                      | +StopCellB                                                                                        |                                                                                  |     |                         |
| 36                                                                                      | START T_dly(180000)                                                                               |                                                                                  |     |                         |
| 37                                                                                      | ?TIMEOUT T_dly                                                                                    |                                                                                  | (F) |                         |
| 38                                                                                      | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn) CANCEL T_dly         | ChReq_02                                                                         | (P) | 6)                      |
| 39                                                                                      | ACTIVATE(OtherEventsFail_02)                                                                      |                                                                                  |     | To match ChReq retrans. |
| 40                                                                                      | +ltree_perluprest                                                                                 |                                                                                  |     |                         |
| 41                                                                                      | <b>ltree_imsiattach</b>                                                                           |                                                                                  |     |                         |
| 42                                                                                      | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                      | ChReq_02                                                                         |     |                         |
| 43                                                                                      | ACTIVATE(OtherEventsFail_02)                                                                      |                                                                                  |     | To match ChReq retrans. |
| 44                                                                                      | LIDL_UdatRqImm                                                                                    | ImmAss_20(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_r01) |     |                         |
| 45                                                                                      | L?DL_EstInLupRq                                                                                   | LocUp_01                                                                         | (P) |                         |
| 46                                                                                      | ACTIVATE(OtherEventsFail)                                                                         |                                                                                  |     | Restore Normal default  |
| 47                                                                                      | LIDL_DatRqLupAcp                                                                                  | LocAcp_32(TCV_ch, TCV_lac)                                                       |     |                         |
| 48                                                                                      | +ChanRel(TCV_ch)                                                                                  |                                                                                  |     |                         |
| 49                                                                                      | <b>ltree_automode</b>                                                                             |                                                                                  |     |                         |
| 50                                                                                      | [TSPC_AutoAutoMode = FALSE]                                                                       |                                                                                  |     |                         |
| 51                                                                                      | (TCV_Null := OO_PLMNselModeAuto())                                                                |                                                                                  |     |                         |
| 52                                                                                      | <b>ltree_perluprest</b>                                                                           |                                                                                  |     |                         |
| 53                                                                                      | LIDL_UdatRqImm                                                                                    | ImmAss_20(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_r01) |     |                         |
| 54                                                                                      | L?DL_EstInLupRq                                                                                   | LocUp_03                                                                         | (P) |                         |
| 55                                                                                      | ACTIVATE(OtherEventsFail)                                                                         |                                                                                  |     | Restore Normal default  |
| 56                                                                                      | LIDL_DatRqLupAcp                                                                                  | LocAcp_32(TCV_ch, TCV_lac)                                                       |     |                         |
| 57                                                                                      | +ChanRel(TCV_ch)                                                                                  |                                                                                  |     |                         |
| 58                                                                                      | <b>ltree_switchcelltoA</b>                                                                        |                                                                                  |     |                         |
| 59                                                                                      | +ltree_varinitA                                                                                   |                                                                                  |     |                         |
| 60                                                                                      | +IncrRfLev_Cellavail(C_CellA)                                                                     |                                                                                  |     |                         |
| 61                                                                                      | <b>ltree_switchcelltoB</b>                                                                        |                                                                                  |     |                         |
| 62                                                                                      | +ltree_varinitB                                                                                   |                                                                                  |     |                         |
| 63                                                                                      | +LowRfLev_Cellnotavail(C_CellA)                                                                   |                                                                                  |     |                         |
| 64                                                                                      | <b>ltree_varinitA</b>                                                                             |                                                                                  |     |                         |
| 65                                                                                      | +Varinit_fixA                                                                                     |                                                                                  |     |                         |
| 66                                                                                      | (TCV_cksn := C_cksn_nokey)                                                                        |                                                                                  |     |                         |
| 67                                                                                      | <b>ltree_varinitB</b>                                                                             |                                                                                  |     |                         |
| 68                                                                                      | +Varinit_fixB                                                                                     |                                                                                  |     |                         |
| <b>Detailed Comments:</b>                                                               |                                                                                                   |                                                                                  |     |                         |
| PR1) Initial condition: The PLMN of cell B is entered in the SIM's forbidden PLMN list. |                                                                                                   |                                                                                  |     |                         |
| PR2) Initial condition: Idle updated in cell A.                                         |                                                                                                   |                                                                                  |     |                         |
| 1) MS enters in automatic network selection mode.                                       |                                                                                                   |                                                                                  |     |                         |
| 2) IMSI attach procedure                                                                |                                                                                                   |                                                                                  |     |                         |
| 3) Conformance Requirement 1                                                            |                                                                                                   |                                                                                  |     |                         |
| Delay for 11 min and 40 seconds. In this time MS may not location update in cell A.     |                                                                                                   |                                                                                  |     |                         |
| 4) The MS shall execute the periodic location updating after 12 min.                    |                                                                                                   |                                                                                  |     |                         |

5) Conformance Requirement 5

No Reaction in 7 min. In this time MS may not location update in cell B.

6) The MS shall execute the periodic location updating before 17 min after last periodic LUP.



| Test Case Dynamic Behaviour                                                                                                                                            |       |                                                                                                 |                                                                                  |     |                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b> TC_26_7_5_2                                                                                                                                     |       |                                                                                                 |                                                                                  |     |                         |
| <b>Group:</b> GSM_L3_MS_v4160/MM/                                                                                                                                      |       |                                                                                                 |                                                                                  |     |                         |
| <b>Purpose:</b> To verify that the MS can correctly set up an MM connection in an originating CM connection establishment when ciphering mode setting is not required. |       |                                                                                                 |                                                                                  |     |                         |
| <b>Default:</b> OtherEventsFail                                                                                                                                        |       |                                                                                                 |                                                                                  |     |                         |
| <b>Comments:</b> Initial Conditions of MS:<br>The MS has valid TMSI. It is "idle updated".<br>Expected values in the SIM card: TMSI: MiTmsi_01, CKSN: TSPX_CKSNDf      |       |                                                                                                 |                                                                                  |     |                         |
| Foreseen final state of the MS:<br>The MS has valid TMSI and CKSN.It is "idle updated".                                                                                |       |                                                                                                 |                                                                                  |     |                         |
| Nr                                                                                                                                                                     | Label | Behaviour Description                                                                           | CRef                                                                             | V   | Comments                |
| 1                                                                                                                                                                      |       | START T_guard(300)                                                                              |                                                                                  |     |                         |
| 2                                                                                                                                                                      |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                            |                                                                                  |     |                         |
| 3                                                                                                                                                                      |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O) |                                                                                  |     |                         |
| 4                                                                                                                                                                      |       | +Varinit_fixA                                                                                   |                                                                                  |     |                         |
| 5                                                                                                                                                                      |       | +IdleState_cellA(C_Immass,TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O)   |                                                                                  |     |                         |
| 6                                                                                                                                                                      |       | +AttmpCall                                                                                      |                                                                                  |     |                         |
| 7                                                                                                                                                                      |       | +BasicServiceMO(TSPX_MO_BscSvc_AnyCall, TSPX_MO_rate_AnyCall)                                   |                                                                                  |     |                         |
| 8                                                                                                                                                                      |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                 | ChReq_02                                                                         |     |                         |
| 9                                                                                                                                                                      |       | ACTIVATE(OtherEventsFail_02)                                                                    |                                                                                  |     | To match ChReq retrans. |
| 10                                                                                                                                                                     |       | LIDL_UdatRqImmass                                                                               | ImmAss_20(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_r01) |     |                         |
| 11                                                                                                                                                                     |       | L?DL_EstInCmsRq                                                                                 | CmserReq_31(MiTmsi_01,TSPX_CKSNDf)                                               | (P) |                         |
| 12                                                                                                                                                                     |       | ACTIVATE(OtherEventsFail)                                                                       |                                                                                  |     | Restore Normal default  |
| 13                                                                                                                                                                     |       | +Authentication(TCV_ch, TCV_cksn)                                                               |                                                                                  |     |                         |
| 14                                                                                                                                                                     |       | (TCV_Null := OM_CphMdChg(TCV_ch, CphMod_02, TCV_CphKey))                                        |                                                                                  |     |                         |
| 15                                                                                                                                                                     |       | +Ciphering_off2(TCV_ch)                                                                         |                                                                                  |     |                         |
| 16                                                                                                                                                                     |       | +ltree_msgs                                                                                     |                                                                                  |     |                         |
| 17                                                                                                                                                                     |       | +ChanRel_end(TCV_ch)                                                                            |                                                                                  |     |                         |
| 18                                                                                                                                                                     |       | <b>ltree_msgs</b><br>L?DL_DatInSetup (TCV_Mt := DL_DatInSetup.msg.mt)                           | SetupIn_01                                                                       | (P) |                         |
| 19                                                                                                                                                                     |       | (TCV_ti_v := '000'B)                                                                            |                                                                                  |     |                         |
| 20                                                                                                                                                                     |       | +Compute_ti                                                                                     |                                                                                  |     |                         |
| 21                                                                                                                                                                     |       | LIDL_DatRqRelCmp                                                                                | RelCmpRq_03(TCV_ti_dest, TCV_ch)                                                 | (P) |                         |
| 22                                                                                                                                                                     |       | L?DL_DatInRegister                                                                              | Register_01(TCV_ch)                                                              |     |                         |
| 23                                                                                                                                                                     |       | L?DL_EstIn                                                                                      | DLEstIn_02                                                                       |     |                         |
| 24                                                                                                                                                                     |       | L?DL_DatInCpData                                                                                | DatInCpData_01(CpDataPdu_04,TCV_ch)                                              |     |                         |
| 25                                                                                                                                                                     |       | LIDL_DatRqCpDataAck                                                                             | DatRqCpDataAck(CpDataAckPdu_03(TCV_ti_dest), TCV_ch)                             |     |                         |
| 26                                                                                                                                                                     |       | L?DL_DatInCpData                                                                                | DatInCpData_01(CpDataPdu_04,TCV_ch)                                              |     |                         |
| 27                                                                                                                                                                     |       | LIDL_DatRqCpDataAck                                                                             | DatRqCpDataAck(CpDataAckPdu_03(TCV_ti_dest), TCV_ch)                             |     |                         |

## Detailed Comments:

| Test Case Dynamic Behaviour |       |                                                                                                                                                                  |                                                                                  |     |                         |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_7_5_3                                                                                                                                                      |                                                                                  |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/MM/                                                                                                                                              |                                                                                  |     |                         |
| <b>Purpose:</b>             |       | To verify that the MS can correctly set up an MM connection in an originating CM connection establishment when ciphering mode setting is not required.           |                                                                                  |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                  |                                                                                  |     |                         |
| <b>Comments:</b>            |       | Initial Conditions of MS:<br>The MS has valid TMSI. It is "idle updated".<br><br>Foreseen final state of the MS:<br>The MS has valid TMSI. It is "idle updated". |                                                                                  |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                            | CRef                                                                             | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                               |                                                                                  |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                             |                                                                                  |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                  |                                                                                  |     |                         |
| 4                           |       | +Varinit_fixA                                                                                                                                                    |                                                                                  |     |                         |
| 5                           |       | +StartCellA(C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O)                                                                        |                                                                                  |     |                         |
| 6                           |       | +AttmpCall                                                                                                                                                       |                                                                                  |     |                         |
| 7                           |       | +BasicServiceMO(TSPX_MO_BscSvc_AnyCall, TSPX_MO_rate_AnyCall)                                                                                                    |                                                                                  |     |                         |
| 8                           |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq, msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                 | ChReq_02                                                                         |     |                         |
| 9                           |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                     |                                                                                  |     |                         |
| 10                          |       | L!DL_UdatRqImmass                                                                                                                                                | ImmAss_20(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_r01) |     | To match ChReq retrans. |
| 11                          |       | L?DL_EstInCmsRq                                                                                                                                                  | CmsReq_01                                                                        | (P) |                         |
| 12                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                        |                                                                                  |     | Restore Normal default  |
| 13                          |       | L!DL_DatRqCmsAcp                                                                                                                                                 | CmsReq_01(TCV_ch)                                                                |     |                         |
| 14                          |       | +ltree_msgs                                                                                                                                                      |                                                                                  |     |                         |
| 15                          |       | +ChanRel_end( TCV_ch)                                                                                                                                            |                                                                                  |     |                         |
|                             |       | <b>ltree_msgs</b>                                                                                                                                                |                                                                                  |     |                         |
| 16                          |       | L?DL_DatInSetup (TCV_Mt := DL_DatInSetup.msg.mt)                                                                                                                 | SetupIn_01                                                                       | (P) |                         |
| 17                          |       | L?DL_DatInRegister                                                                                                                                               | Register_01(TCV_ch)                                                              | (P) |                         |
| 18                          |       | L?DL_DatInCpData ( TCV_ti_orig := DL_DatInCpData.msg.ti, TCV_ti_dest.ti_v := TCV_ti_orig.ti_v, TCV_ti_dest.ti_f := '1'B)                                         | DatInCpData_01(CpDataPdu_04, TCV_ch)                                             |     |                         |
| 19                          |       | L!DL_DatRqCpDataAck                                                                                                                                              | DatRqCpDataAck(CpDataAckPdu_03(TCV_ti_dest), TCV_ch)                             |     |                         |
| 20                          |       | L?DL_DatInCpData                                                                                                                                                 | DatInCpData_01(CpDataPdu_04, TCV_ch)                                             |     |                         |
| 21                          |       | L!DL_DatRqCpDataAck                                                                                                                                              | DatRqCpDataAck(CpDataAckPdu_03(TCV_ti_dest), TCV_ch)                             |     |                         |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                  |                                                                                  |     |                         |

| Test Case Dynamic Behaviour                                                                                                                                                       |       |                                                                                              |                                                                                  |     |                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b> TC_26_7_5_4                                                                                                                                                |       |                                                                                              |                                                                                  |     |                         |
| <b>Group:</b> GSM_L3_MS_v4160/MM/                                                                                                                                                 |       |                                                                                              |                                                                                  |     |                         |
| <b>Purpose:</b> To verify that the MS does not send a layer 3 message when the service request is rejected by the SS.                                                             |       |                                                                                              |                                                                                  |     |                         |
| <b>Default:</b> OtherEventsFail                                                                                                                                                   |       |                                                                                              |                                                                                  |     |                         |
| <b>Comments:</b> Initial Conditions of MS:<br>The MS has valid TMSI. It is "idle updated".<br><br>Foreseen final state of the MS:<br>The MS has valid TMSI. It is "idle updated". |       |                                                                                              |                                                                                  |     |                         |
| Nr                                                                                                                                                                                | Label | Behaviour Description                                                                        | CRef                                                                             | V   | Comments                |
| 1                                                                                                                                                                                 |       | START T_guard(420)                                                                           |                                                                                  |     |                         |
| 2                                                                                                                                                                                 |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                         |                                                                                  |     |                         |
| 3                                                                                                                                                                                 |       | +IdleUpdated(C_CellA, C_Imm, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O) |                                                                                  |     |                         |
| 4                                                                                                                                                                                 |       | +ltree_varinitA                                                                              |                                                                                  |     |                         |
| 5                                                                                                                                                                                 |       | +IdleState_cellA(C_Imm, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O)  |                                                                                  |     |                         |
| 6                                                                                                                                                                                 |       | +AttmCall                                                                                    |                                                                                  |     |                         |
| 7                                                                                                                                                                                 |       | +BasicServiceMO(TSPX_MO_BscSvc_AnyCall, TSPX_MO_rate_AnyCall)                                |                                                                                  |     |                         |
| 8                                                                                                                                                                                 |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                 | ChReq_02                                                                         |     |                         |
| 9                                                                                                                                                                                 |       | ACTIVATE(OtherEventsFail_02)                                                                 |                                                                                  |     | To match ChReq retrans. |
| 10                                                                                                                                                                                |       | LIDL_UdatRqImm                                                                               | ImmAss_20(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_r01) |     |                         |
| 11                                                                                                                                                                                |       | L?DL_EstInCmsRq                                                                              | CmserReq_01                                                                      | (P) |                         |
| 12                                                                                                                                                                                |       | ACTIVATE(OtherEventsFail)                                                                    |                                                                                  |     | Restore Normal default  |
| 13                                                                                                                                                                                |       | LIDL_DatRqCmsRej                                                                             | CmserRej_30(C_rc_reqservoptnotsub, TCV_ch)                                       |     |                         |
| 14                                                                                                                                                                                |       | +NoReaction(5000)                                                                            |                                                                                  |     |                         |
| 15                                                                                                                                                                                |       | +ChanRel_end(TCV_ch)                                                                         |                                                                                  |     |                         |
| 16                                                                                                                                                                                |       | ltree_varinitA<br>+Varinit_fixA                                                              |                                                                                  |     |                         |
| <b>Detailed Comments:</b>                                                                                                                                                         |       |                                                                                              |                                                                                  |     |                         |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                          |                                                                                  |     |                         |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_7_5_5                                                                                                                                                                                                                                                                                                                                              |                                                                                  |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/MM/                                                                                                                                                                                                                                                                                                                                      |                                                                                  |     |                         |
| <b>Purpose:</b>             |       | To verify that the MS can correctly accept a CM SERVICE REJECT message with reject cause "IMSI unknown in VLR".                                                                                                                                                                                                                                          |                                                                                  |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                          |                                                                                  |     |                         |
| <b>Comments:</b>            |       | Initial Conditions of MS:<br>The MS has valid TMSI. It is "idle updated".<br>Expected values in the SIM card: TMSI: MiTmsi_01, CKSN: TSPX_CKSNDf                                                                                                                                                                                                         |                                                                                  |     |                         |
|                             |       | Foreseen final state of the MS:<br>The MS has valid TMSI and CKSN. It is "idle updated".                                                                                                                                                                                                                                                                 |                                                                                  |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                    | CRef                                                                             | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                       |                                                                                  |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                     |                                                                                  |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                          |                                                                                  |     |                         |
| 4                           |       | +Varinit_fixA                                                                                                                                                                                                                                                                                                                                            |                                                                                  |     |                         |
| 5                           |       | +StartCellA(C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                |                                                                                  |     |                         |
| 6                           |       | +AttmpCall                                                                                                                                                                                                                                                                                                                                               |                                                                                  |     |                         |
| 7                           |       | +BasicServiceMO(TSPX_MO_BscSvc_AnyCall, TSPX_MO_rate_AnyCall)                                                                                                                                                                                                                                                                                            |                                                                                  |     |                         |
| 8                           |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                                                                                                                                                                                                          | ChReq_02                                                                         |     |                         |
| 9                           |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                             |                                                                                  |     | To match ChReq retrans. |
| 10                          |       | L!DL_UdatRqImmass                                                                                                                                                                                                                                                                                                                                        | ImmAss_20(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_r01) |     |                         |
| 11                          |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                          | CmserReq_32(MiTmsi_01, TSPX_CKSNDf)                                              | (P) | 1)                      |
| 12                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                |                                                                                  |     | Restore Normal default  |
| 13                          |       | L!DL_DatRqCmsRej                                                                                                                                                                                                                                                                                                                                         | CmserRej_30(C_rc_imsiunknownvlr, TCV_ch)                                         |     |                         |
| 14                          |       | +ChanRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                         |                                                                                  |     | 2)                      |
| 15                          |       | +MM_LUPauth2(MiTmsi_01iei, Milmsi_01, C_lacdeleted, TCV_lac, C_cksnokey, TCV_cksno, TimingAdv_r01)                                                                                                                                                                                                                                                       |                                                                                  |     | 3)                      |
| 16                          |       | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                                                                     |                                                                                  |     |                         |
| <b>Detailed Comments:</b>   |       | <p>1) Conformance Requirement<br/>The MS shall be able to correctly set up an MM connection in a Mobile Originating CM connection attempt.</p> <p>2) Conformance Requirement<br/>The MS shall wait for the network to release the RR connection</p> <p>3) Conformance Requirement<br/>The MS shall be able to perform a location updating procedure.</p> |                                                                                  |     |                         |

| Test Case Dynamic Behaviour                                                                    |       |                                                                                                       |                                                                                              |     |                         |
|------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b> TC_26_7_5_6                                                             |       |                                                                                                       |                                                                                              |     |                         |
| <b>Group:</b> GSM_L3_MS_v4160/MM/                                                              |       |                                                                                                       |                                                                                              |     |                         |
| <b>Purpose:</b> To verify that at T3230 expiry, the MS aborts the MM-connection establishment. |       |                                                                                                       |                                                                                              |     |                         |
| <b>Default:</b> OtherEventsFail                                                                |       |                                                                                                       |                                                                                              |     |                         |
| <b>Comments:</b> Initial Conditions of MS:<br>The MS has valid TMSI. It is "idle updated".     |       |                                                                                                       |                                                                                              |     |                         |
| Foreseen final state of the MS:<br>The MS has valid TMSI. It is "idle updated".                |       |                                                                                                       |                                                                                              |     |                         |
| Nr                                                                                             | Label | Behaviour Description                                                                                 | CRef                                                                                         | V   | Comments                |
| 1                                                                                              |       | START T_guard(300)                                                                                    |                                                                                              |     |                         |
| 2                                                                                              |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                  |                                                                                              |     |                         |
| 3                                                                                              |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot,<br>TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B,<br>'00'O) |                                                                                              |     |                         |
| 4                                                                                              |       | +ltree_varinitA                                                                                       |                                                                                              |     |                         |
| 5                                                                                              |       | +IdleState_cellA(C_Immass,TCV_slot,<br>TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B,<br>'011'B, '00'O)   |                                                                                              |     |                         |
| 6                                                                                              |       | +AttmCall                                                                                             |                                                                                              |     |                         |
| 7                                                                                              |       | +BasicServiceMO(TSPX_MO_BscSvc_A<br>nyCall, TSPX_MO_rate_AnyCall)                                     |                                                                                              |     |                         |
| 8                                                                                              |       | L?DL_RaInChRq (TCV_Rr :=<br>DL_RaInChRq.msg.ecau_rrf,<br>TCV_Fn := DL_RaInChRq.fn)                    | ChReq_02                                                                                     |     |                         |
| 9                                                                                              |       | ACTIVATE(OtherEventsFail_02)                                                                          |                                                                                              |     | To match ChReq retrans. |
| 10                                                                                             |       | LIDL_UdatRqImmass                                                                                     | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>TimingAdv_r01) |     |                         |
| 11                                                                                             |       | L?DL_EstInCmsRq                                                                                       | CmserReq_01                                                                                  | (P) |                         |
| 12                                                                                             |       | ACTIVATE(OtherEventsFail)                                                                             |                                                                                              |     | Restore Normal default  |
| 13                                                                                             |       | +Wait(C_T_T3230min)                                                                                   |                                                                                              |     |                         |
| 14                                                                                             |       | L?DL_DatInMmst                                                                                        | MmSt_03( TCV_ch)                                                                             | (P) | 1)                      |
| 15                                                                                             |       | +ChanRel_end(TCV_ch)                                                                                  |                                                                                              |     |                         |
| 16                                                                                             |       | <b>ltree_varinitA</b><br>+Varinit_fixA                                                                |                                                                                              |     |                         |
| <b>Detailed Comments:</b> 1) The MS shall abort the MM connection after T3230 expiry.          |       |                                                                                                       |                                                                                              |     |                         |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                  |     |                         |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_7_5_7_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                  |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/MM/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                  |     |                         |
| <b>Purpose:</b>             |       | To check that upon reception of an ABORT message with cause #6 during call establishment:                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                  |     |                         |
|                             |       | <ul style="list-style-type: none"> <li>- the MS does not send any layer 3 message.</li> <li>- after reception of an ABORT message and after having been deactivated and reactivated, the MS performs location updating using its IMSI as mobile identity and indicates deleted LAI and CKSN.</li> <li>- the MS does not perform location updating, does not answer to paging with TMSI, rejects any request for mobile originating call except emergency call, does not perform IMSI detach.</li> <li>- the MS accepts a request for emergency call.</li> </ul> |                                                                                  |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                  |     |                         |
| <b>Comments:</b>            |       | Initial Conditions of MS:<br>The MS has valid TMSI, CKSN and Kc.It is "idle updated on cell B".                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                  |     |                         |
|                             |       | Foreseen final state of the MS:<br>The MS has valid TMSI. It is "idle updated" on cell A.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                  |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CRef                                                                             | V   | Comments                |
| 1                           |       | START T_guard(600)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                  |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                  |     |                         |
| 3                           |       | +IdleUpdated(C_CellB, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                  |     |                         |
| 4                           |       | +Varinit_fixB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                  |     |                         |
| 5                           |       | +IdleState_2cellMM2(C_CellB, C_Immass, TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                  |     |                         |
| 6                           |       | +AttmpCall                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                  |     |                         |
| 7                           |       | +BasicServiceMO(TSPX_MO_BscSvc_AnyCall, TSPX_MO_rate_AnyCall)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                  |     |                         |
| 8                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ChReq_02                                                                         |     |                         |
| 9                           |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  |     | To match ChReq retrans. |
| 10                          |       | L!DL_UdatRqImmass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ImmAss_20(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_r01) |     |                         |
| 11                          |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | CmserReq_01                                                                      | (P) |                         |
| 12                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                  |     | Restore Normal default  |
| 13                          |       | +Authentication(TCV_ch, TCV_cksn)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                  |     |                         |
| 14                          |       | L!DL_DatRqAbrt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Abort_01(TCV_ch, C_rc_illegal_me)                                                |     |                         |
| 15                          |       | +NoReaction(5000)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                  |     | 1)                      |
| 16                          |       | +ChanRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                  |     |                         |
| 17                          |       | +ltree_switchcelltoA_Bavail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                  |     |                         |
| 18                          |       | +NoReaction( 5000)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                  |     | 2.1)                    |
| 19                          |       | +NoReaction(420 000)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                  |     | 2.2)                    |
| 20                          |       | +MM_no_paging( MiTmsi_01, 3000, TCV_Ccd0A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                  |     | 2.3)                    |
| 21                          |       | +ltree_continue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                  |     |                         |
| 22                          |       | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                  |     |                         |
| 23                          |       | <b>ltree_continue</b><br>+MM_no_cmsservices( 3000)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                  |     | 2.4)                    |
| 24                          |       | +MM_check_ecall1(TimingAdv_r01)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                  |     | 3)                      |
| 25                          |       | +MM_noimsidetach(3000)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                  |     | 2.5)                    |
| 26                          |       | +MM_LUPauth2( MiTmsi_01iei, Milmsi_01, C_lacdeleted, TCV_lac, C_cksn_nokey,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                  |     | 4)                      |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                       |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| <p>27<br/>28</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <p>TCV_cksn, TimingAdv_r01)</p> <p><b>Itree_switchcelltoA_Bavail</b></p> <p>+Varinit_fixA</p> <p>+LowRfLev_Cellavailable(C_CellB)</p> |  |  |  |
| <p><b>Detailed Comments:</b> After ABORT with the cause_value 'illegal_me' the MS shall</p> <ol style="list-style-type: none"> <li>1) Conformance requirement 1:<br/>MS shall wait for network command.</li> <li>2) Conformance requirement 2:             <ol style="list-style-type: none"> <li>2.1) not perform location updating</li> <li>2.2) not perform periodic location updating</li> <li>2.3) not respond to paging with TMSI</li> <li>2.4) reject any request for MOC establishment with except emergency call.</li> <li>2.5) not perform IMSI detach.</li> </ol> </li> <li>3) Conformance requirement 3:<br/>if it support speech, perform emergency call.</li> <li>4) Conformance requirement 4:<br/>delete stored LAI, CKSN and TMSI</li> </ol> |                                                                                                                                       |  |  |  |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                  |                                          |     |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_7_5_7_2                                                                                                                                                                                                                                                                    |                                          |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/MM/                                                                                                                                                                                                                                                              |                                          |     |          |
| <b>Purpose:</b>             |       | To check that when multiple MM connections are established, the MS releases all MM connections upon reception of an ABORT message, in the case when the two MM connections are established for a mobile terminating call and a non call related supplementary service operation. |                                          |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                  |                                          |     |          |
| <b>Comments:</b>            |       | Initial Conditions of MS:<br>The MS is in state U10 of a mobile terminating call.<br><br>Foreseen final state of the MS:<br>The MS has valid TMSI. It is "idle updated" on cell A.                                                                                               |                                          |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                            | CRef                                     | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                               |                                          |     |          |
| 2                           |       | +BasicServiceMT(TSPX_MTBscSvcC,TSPX_MTChRateC,TSPX_MT_ImmConnC)                                                                                                                                                                                                                  |                                          |     |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                             |                                          |     |          |
| 4                           |       | +IdleUpdated(C_CellA, C_ImmMass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                 |                                          |     |          |
| 5                           |       | +ltree_varinitA                                                                                                                                                                                                                                                                  |                                          |     |          |
| 6                           |       | +IdleState_cellA(C_ImmMass,TCV_slot, TCV_tsc, TimingAdv_r01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                   |                                          |     |          |
| 7                           |       | +PreEnterCCstateU10_late(Setup_04, C_Ass, TSPX_TmSlTDef, TSPX_TscDef, TimingAdv_r01, '000'B, '001'B, '011'B)                                                                                                                                                                     |                                          |     |          |
| 8                           |       | (TCV_ti_v := '000'B)                                                                                                                                                                                                                                                             |                                          |     | 1)       |
| 9                           |       | +Compute_ti                                                                                                                                                                                                                                                                      |                                          |     |          |
| 10                          | body  | +AtmpNonCallSupp                                                                                                                                                                                                                                                                 |                                          |     |          |
| 11                          |       | +BasicServiceMO(TSPX_MO_BscSvc_NonCallSupplementarySvc, C_Full)                                                                                                                                                                                                                  |                                          |     |          |
| 12                          |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                  | CmsSerReq_01                             | (P) |          |
| 13                          |       | L!DL_DatRqCmsAcp                                                                                                                                                                                                                                                                 | CmsSerAcp_01(TCV_ch)                     |     |          |
| 14                          |       | L?DL_DatInRegister                                                                                                                                                                                                                                                               | Register_01(TCV_ch)                      |     | 2)       |
| 15                          |       | L!DL_DatRqAbrt                                                                                                                                                                                                                                                                   | Abort_01(TCV_ch, C_rc_networkfailure)    |     |          |
| 16                          |       | L!DL_DatRqDisc                                                                                                                                                                                                                                                                   | DiscSnd(TCV_ch, Disconn_07(TCV_ti_orig)) |     |          |
| 17                          |       | L?DL_DatInRelCmp                                                                                                                                                                                                                                                                 | RelCmp_01(TCV_tiest)                     | (P) |          |
| 18                          |       | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                             |                                          |     |          |
| 19                          |       | ltree_varinitA<br>+Varinit_fixA                                                                                                                                                                                                                                                  |                                          |     |          |
| <b>Detailed Comments:</b>   |       | 1) TI-Value according to the teststep PreEnterCCstateU10(Setup_04)<br>2) Upon reception of an ABORT-message the MS shall release any ongoing MM connection.                                                                                                                      |                                          |     |          |



| Test Case Dynamic Behaviour                                                               |       |                                                                                                                                                                                                                                         |                                                                                  |   |                         |
|-------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---|-------------------------|
| <b>Test Case Name:</b>                                                                    |       | TC_26_7_5_8_1                                                                                                                                                                                                                           |                                                                                  |   |                         |
| <b>Group:</b>                                                                             |       | GSM_L3_MS_v4160/MM/                                                                                                                                                                                                                     |                                                                                  |   |                         |
| <b>Purpose:</b>                                                                           |       | To check that when the network does not include the follow on proceed IE in a LOCATION UPDATING ACCEPT message, a MS that has a CM application request pending does not attempt to establish a new MM connection on that RR connection. |                                                                                  |   |                         |
| <b>Default:</b>                                                                           |       | OtherEventsFail                                                                                                                                                                                                                         |                                                                                  |   |                         |
| <b>Comments:</b>                                                                          |       | Initial Conditions of MS:<br>The MS has valid TMSI and is deactivated.                                                                                                                                                                  |                                                                                  |   |                         |
| Foreseen final state of the MS:<br>The MS has valid TMSI. It is "idle updated" on cell A. |       |                                                                                                                                                                                                                                         |                                                                                  |   |                         |
| Nr                                                                                        | Label | Behaviour Description                                                                                                                                                                                                                   | CRef                                                                             | V | Comments                |
| 1                                                                                         |       | START T_guard(300)                                                                                                                                                                                                                      |                                                                                  |   |                         |
| 2                                                                                         |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                    |                                                                                  |   |                         |
| 3                                                                                         |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                         |                                                                                  |   |                         |
| 4                                                                                         |       | +ltree_varinitA                                                                                                                                                                                                                         |                                                                                  |   |                         |
| 5                                                                                         |       | +StartCellA_MM1(C_Immass, TCV_slot, TCV_tsc, 1, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                           |                                                                                  |   |                         |
| 6                                                                                         | body  | +SwitchonOrPowerup                                                                                                                                                                                                                      |                                                                                  |   |                         |
| 7                                                                                         |       | +WaitForInService                                                                                                                                                                                                                       |                                                                                  |   |                         |
| 8                                                                                         |       | +AttmpCall                                                                                                                                                                                                                              |                                                                                  |   |                         |
| 9                                                                                         |       | +BasicServiceMO(TSPX_MO_BscSv c_AnyCall, TSPX_MO_rate_AnyCall)                                                                                                                                                                          |                                                                                  |   |                         |
| 10                                                                                        |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                                                                                         | ChReq_02                                                                         |   | 1)                      |
| 11                                                                                        |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                            |                                                                                  |   | To match ChReq retrans. |
| 12                                                                                        |       | L!DL_UdatRqImmass                                                                                                                                                                                                                       | ImmAss_20(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_r01) |   | 1)                      |
| 13                                                                                        |       | L?DL_EstInLupRq                                                                                                                                                                                                                         | LocUp_06                                                                         |   | 1)                      |
| 14                                                                                        |       | ACTIVATE(OtherEventsFail )                                                                                                                                                                                                              |                                                                                  |   | Restore Normal default  |
| 15                                                                                        |       | L!DL_DatRqLupAcp                                                                                                                                                                                                                        | LocAcp_32(TCV_ch, TCV_lac)                                                       |   | 2)                      |
| 16                                                                                        |       | +NoReaction(8000)                                                                                                                                                                                                                       |                                                                                  |   | 3)                      |
| 17                                                                                        | post  | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                    |                                                                                  |   |                         |
| 18                                                                                        |       | ltree_varinitA<br>+Varinit_fixA                                                                                                                                                                                                         |                                                                                  |   |                         |
| <b>Detailed Comments:</b>                                                                 |       | 1) Checking of parameters is not required.<br>2) Follow on proceed IE not included.<br>3) MS shall not send any layer 3 message for 8 seconds after reception of Location Updating Acc.                                                 |                                                                                  |   |                         |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                              |                                                                                  |     |                         |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_7_5_8_2                                                                                                                                                                                                                                                                |                                                                                  |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/MM/                                                                                                                                                                                                                                                          |                                                                                  |     |                         |
| <b>Purpose:</b>             |       | To check that when the network includes the follow on proceed IE in a LOCATION UPDATING ACCEPT message, a MS that supports the follow on request procedure and that has a CM application request pending establishes successfully a new MM connection on that RR connection. |                                                                                  |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                              |                                                                                  |     |                         |
| <b>Comments:</b>            |       | Initial Conditions of MS:<br>The MS has valid TMSI and is deactivated.                                                                                                                                                                                                       |                                                                                  |     |                         |
|                             |       | Foreseen final state of the MS:<br>The MS has valid TMSI. It is "idle updated" on cell A.                                                                                                                                                                                    |                                                                                  |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                        | CRef                                                                             | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                           |                                                                                  |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                         |                                                                                  |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                              |                                                                                  |     |                         |
| 4                           |       | +ltree_varinitA                                                                                                                                                                                                                                                              |                                                                                  |     |                         |
| 5                           |       | +StartCellA_MM1(C_Immass,TCV_slot, TCV_tsc, 1, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                 |                                                                                  |     |                         |
| 6                           |       | +ltree_body                                                                                                                                                                                                                                                                  |                                                                                  |     |                         |
|                             |       | <b>ltree_body</b>                                                                                                                                                                                                                                                            |                                                                                  |     |                         |
| 7                           |       | +SwitchOnOrPowerup                                                                                                                                                                                                                                                           |                                                                                  |     |                         |
| 8                           |       | +WaitForInService                                                                                                                                                                                                                                                            |                                                                                  |     |                         |
| 9                           |       | +AttmpCall                                                                                                                                                                                                                                                                   |                                                                                  |     |                         |
| 10                          |       | +BasicServiceMO(TSPX_MO_BscSvc_AnyCall, TSPX_MO_rate_AnyCall)                                                                                                                                                                                                                |                                                                                  |     |                         |
| 11                          |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                                                                                                                              | ChReq_02                                                                         |     | 1)                      |
| 12                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                 |                                                                                  |     | To match ChReq retrans. |
| 13                          |       | LIDL_UdatRqImmass                                                                                                                                                                                                                                                            | ImmAss_20(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_r01) |     | 1)                      |
| 14                          |       | L?DL_EstInLupRq                                                                                                                                                                                                                                                              | LocUp_06                                                                         |     | 1)                      |
| 15                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                    |                                                                                  |     | Restore Normal default  |
| 16                          |       | LIDL_DatRqLupAcp                                                                                                                                                                                                                                                             | LocAcp_33(TCV_ch, TCV_lac)                                                       |     | 2)                      |
| 17                          |       | [TSPC_followOnReq= FALSE]                                                                                                                                                                                                                                                    |                                                                                  |     |                         |
| 18                          |       | START T_dly(8000)                                                                                                                                                                                                                                                            |                                                                                  |     |                         |
| 19                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                               |                                                                                  | (P) |                         |
| 20                          |       | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                         |                                                                                  |     |                         |
| 21                          |       | [TSPC_followOnReq = TRUE]                                                                                                                                                                                                                                                    |                                                                                  |     |                         |
| 22                          |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                              | CmserReq_01                                                                      | (P) | 3)                      |
| 23                          |       | LIDL_DatRqCmsAcp                                                                                                                                                                                                                                                             | CmserAcp_01(TCV_ch)                                                              |     |                         |
| 24                          |       | L?DL_DatInSetup (TCV_Mt := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                             | SetupIn_01                                                                       |     | 4)                      |
| 25                          | post  | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                         |                                                                                  |     |                         |
|                             |       | <b>ltree_varinitA</b>                                                                                                                                                                                                                                                        |                                                                                  |     |                         |
| 26                          |       | +Varinit_fixA                                                                                                                                                                                                                                                                |                                                                                  |     |                         |
| <b>Detailed Comments:</b>   |       | 1) Checking of parameters is not required.<br>2) Follow on proceed IE included.<br>3) MS shall send a CM Service Request.<br>4) According to GSM 11.10 any initial CM message is to expect.                                                                                  |                                                                                  |     |                         |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                  |     |                         |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_7_5_8_3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                  |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/MM/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                  |     |                         |
| <b>Purpose:</b>             |       | 1) To check that a MS that has no CM application request pending sets the Follow-On-Request bit to No follow-on request pending in a LOCATION UPDATING REQUEST message.<br>2) To check that when the network includes the follow on proceed IE in a LOCATION UPDATING ACCEPT message, a MS that has no CM application request pending does not attempt to establish a new MM connection on that RR connection.<br>3) To check that the MS accepts establishment by the network of a new MM connection on the existing RR connection. |                                                                                  |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                  |     |                         |
| <b>Comments:</b>            |       | Initial Conditions of MS:<br>The MS has valid TMSI and is deactivated.<br><br>Foreseen final state of the MS:<br>The MS has valid TMSI. It is "idle updated" on cell A.                                                                                                                                                                                                                                                                                                                                                              |                                                                                  |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CRef                                                                             | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                  |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                  |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                  |     |                         |
| 4                           |       | +ltree_varinitA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                  |     |                         |
| 5                           |       | +StartCellA_MM1(C_Immass, TCV_slot, TCV_tsc, 1, TimingAdv_r01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                  |     |                         |
| 6                           |       | +ltree_body                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                  |     |                         |
|                             |       | <b>ltree_body</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  |     |                         |
| 7                           |       | +SwitchonOrPowerup                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                  |     |                         |
| 8                           |       | +WaitForInService                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  |     |                         |
| 9                           |       | +AttmptCall                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                  |     |                         |
| 10                          |       | +BasicServiceMO(TSPX_MO_BscSvc_AnyCall, TSPX_MO_rate_AnyCall)                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                  |     |                         |
| 11                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ChReq_02                                                                         |     | 1)                      |
| 12                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                  |     | To match ChReq retrans. |
| 13                          |       | L!DL_UdatRqImmass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ImmAss_20(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_r01) |     | 1)                      |
| 14                          |       | L?DL_EstInLupRq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LocUp_35(TCV_ch)                                                                 |     | 2)                      |
| 15                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                  |     | Restore Normal default  |
| 16                          |       | L!DL_DatRqLupAcp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | LocAcp_33(TCV_ch, TCV_lac)                                                       |     | 3)                      |
| 17                          |       | +NoReaction(5000)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  |     | 4)                      |
| 18                          |       | L?DL_DatInSetup (TCV_Mt := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SetupIn_01                                                                       | (P) |                         |
| 19                          |       | L?DL_DatInCallCo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | CallCfm_01                                                                       |     |                         |
| 20                          |       | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                  |     |                         |
| 21                          |       | L?DL_DatInRelCmp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | RelCmp_08(TCV_ti_d est)                                                          | (P) |                         |
| 22                          |       | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                  |     |                         |
|                             |       | <b>ltree_varinitA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                  |     |                         |
| 23                          |       | +Varinit_fixA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                  |     |                         |
| <b>Detailed Comments:</b>   |       | 1) Checking of parameters is not required.<br>2) The FOR bit is set to No follow-on request pending<br>3) Follow on proceed IE included.<br>4) MS shall not send any layer 3 message for 5 seconds after reception of Location Updating Acc.                                                                                                                                                                                                                                                                                         |                                                                                  |     |                         |

## Test Group CC

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                   |                                                                                                     |   |                            |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---|----------------------------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_1_1                                                                                                                                                                                                                                                                   |                                                                                                     |   |                            |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                               |                                                                                                     |   |                            |
| <b>Purpose:</b>             |       | To verify that upon initiation of an outgoing basic call by user the MS initiates establishment of an MM connection, using as first MM message a CM-SERVICE REQUEST message with CM service type "Mobile originating call establishment or packet mode connection establishment". |                                                                                                     |   |                            |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                   |                                                                                                     |   |                            |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                             | CRef                                                                                                | V | Comments                   |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                |                                                                                                     |   |                            |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                              |                                                                                                     |   |                            |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                   |                                                                                                     |   |                            |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef))                                                   |                                                                                                     |   |                            |
| 5                           |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                      |                                                                                                     |   |                            |
| 6                           | body  | +AttmpCall                                                                                                                                                                                                                                                                        |                                                                                                     |   |                            |
| 7                           |       | +BasicServiceMO(TSPX_MO_BscSvc_AnyCall, TSPX_MO_rate_AnyCall)                                                                                                                                                                                                                     |                                                                                                     |   |                            |
| 8                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                      | ChReq(ChRequest_19)                                                                                 |   |                            |
| 9                           |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                      |                                                                                                     |   | To match ChReq retrans. 1. |
| 10                          |       | LIDL_UdatRqImmass                                                                                                                                                                                                                                                                 | ImmAss(C_AGCH_A_1, ImmAsgn_10(TCV_Rr, TCV_Fn, '00001'B, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01)) |   |                            |
| 11                          |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                   | CMSerReq(CMServic eReq_04)                                                                          |   |                            |
| 12                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                         |                                                                                                     |   | Restore Normal default     |
| 13                          |       | +CheckTIsInStateU0(TRUE, TCV_chTch)                                                                                                                                                                                                                                               |                                                                                                     |   |                            |
| 14                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                       |                                                                                                     |   |                            |
| <b>Detailed Comments:</b>   |       | 1. To assign TCH/F channel.                                                                                                                                                                                                                                                       |                                                                                                     |   |                            |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                    |                                   |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_2_1                                                                                                                                                    |                                   |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                |                                   |   |          |
| <b>Purpose:</b>             |       | To verify that a CC entity of the MS in CC-state U0.1, "MM-connection pending", upon the MS receiving a CM SERVICE REJECT message, returns to CC state U0, "Null". |                                   |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                    |                                   |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                              | CRef                              | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                 |                                   |   |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcA, TSPX_MOChRateA)                                                                                                         |                                   |   | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                               |                                   |   |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                   |                                   |   |          |
| 5                           |       | +PreEnterCCstateU01_21(TimingAdv_01)                                                                                                                               |                                   |   |          |
| 6                           | body  | !DL_DatRqCmsRej                                                                                                                                                    | CMSerRej(TCV_ch, CMServiceRej_01) |   | 2.       |
| 7                           |       | +CheckTlInStateU0(TRUE, TCV_ch)                                                                                                                                    |                                   |   |          |
| 8                           |       | +PostMainLinkRel(TCV_ch)                                                                                                                                           |                                   |   |          |
| <b>Detailed Comments:</b>   |       | 1. To select a basic service and channel rate, if the MS supports telephony the selected basic service is telephony.<br>2. To reject the CM-SERVICE REQUEST.       |                                   |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                          |                                   |     |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_2_2                                                                                                                                                                                                                                                                                                          |                                   |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                      |                                   |     |          |
| <b>Purpose:</b>             |       | To verify that a CC entity of the MS in CC-state U0.1, "MM-connection pending", upon the MS receiving a CM SERVICE ACCEPT message, sends a SETUP message specifying the Called party BCD number that was entered into the MS and then enters CC state U1, "Call initiated".                                              |                                   |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                          |                                   |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                    | CRef                              | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                       |                                   |     |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcB, TSPX_MOChRateB)                                                                                                                                                                                                                                                               |                                   |     | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                     |                                   |     |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 7, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                         |                                   |     |          |
| 5                           |       | +PreEnterCCstateU01_21(TimingAdv_01)                                                                                                                                                                                                                                                                                     |                                   |     |          |
| 6                           | body  | !DL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                          | CMSerAcp(TCV_ch, CMServiceAcp_01) |     |          |
| 7                           |       | L?DL_DatInSetup (TCV_TI := DL_DatInSetup.msg.ti, TCV_TI.ti_f := '1'B, TCV_CalledNum := DL_DatInSetup.msg.cdpr)                                                                                                                                                                                                           | SetupRcv(SetupInd_01)             |     | 2.       |
| 8                           |       | (TCV_Res := OO_CalledPtyNumCHK(TCV_CalledNum))                                                                                                                                                                                                                                                                           |                                   |     |          |
| 9                           |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                        |                                   | (F) | 3.       |
| 10                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                 |                                   |     |          |
| 11                          |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                         |                                   | (P) |          |
| 12                          |       | +CCstatuschk_05(C_U1, TCV_TI, TCV_ch)                                                                                                                                                                                                                                                                                    |                                   |     | 4.       |
| 13                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                 |                                   |     |          |
| <b>Detailed Comments:</b>   |       | 1. To select a basic service and channel rate, if the MS supports telephony the selected basic service is telephony.<br>2. To receive the SETUP message with called party BCD number.<br>3. The called party number contained in the SETUP message is not the one entered.<br>4. To check whether the MS is in state U1. |                                   |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                  |      |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_2_3                                                                                                                                                                                                                                                  |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                              |      |   |          |
| <b>Purpose:</b>             |       | To verify that after the MS with a CC entity in state U0.1, "MM-connection pending", has detected a lower layer failure and has returned to idle mode, the CC entities relating to the seven mobile originating transaction identifiers are in state U0, "Null". |      |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                  |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                            | CRef | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                               |      |   |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcC, TSPX_MOChRateC)                                                                                                                                                                                                       |      |   | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                             |      |   |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                 |      |   |          |
| 5                           |       | +PreEnterCCstateU01_21(TimingAdv_01)                                                                                                                                                                                                                             |      |   |          |
| 6                           | body  | +LowerLayerFailure(TCV_ch)                                                                                                                                                                                                                                       |      |   |          |
| 7                           |       | START T_dly(20000)                                                                                                                                                                                                                                               |      |   |          |
| 8                           |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                   |      |   |          |
| 9                           |       | +CCEstablishMT_SDCCH4(TimingAdv_01)                                                                                                                                                                                                                              |      |   |          |
| 10                          |       | +CheckTIsInStateU0(TRUE, TCV_ch)                                                                                                                                                                                                                                 |      |   |          |
| 11                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                         |      |   |          |
| <b>Detailed Comments:</b>   |       | 1. To select a basic service and channel rate, if the MS supports telephony the selected basic service is telephony.                                                                                                                                             |      |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                             |                                   |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_3_1                                                                                                                                                             |                                   |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                         |                                   |   |          |
| <b>Purpose:</b>             |       | To verify that a CC entity of the MS in CC-state U1, "Call initiated", upon receipt of a CALL PROCEEDING message, enters CC state U3, "Mobile originating call proceeding". |                                   |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                             |                                   |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                       | CRef                              | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                          |                                   |   |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcD, TSPX_MOChRateD)                                                                                                                  |                                   |   | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                        |                                   |   |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                            |                                   |   |          |
| 5                           |       | +PreEnterCCstateU1_22(C_Immass, TSPX_TmStDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                            |                                   |   |          |
| 6                           | body  | (TCV_CallProc := OC_CallProcGen(TCV_Setup_mo, CallProced_03))                                                                                                               |                                   |   |          |
| 7                           |       | L!DL_DatRqCallProc                                                                                                                                                          | CallProc(TCV_chTch, TCV_CallProc) |   |          |
| 8                           |       | +CCstatuschk_05(C_U3, TCV_TI, TCV_chTch)                                                                                                                                    |                                   |   | 2.       |
| 9                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                 |                                   |   |          |
| <b>Detailed Comments:</b>   |       | 1. To select a basic service and channel rate, if the MS supports telephony the selected basic service is telephony.<br>2. Check that CC state is U3.                       |                                   |   |          |

| Test Case Dynamic Behaviour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |                                                                                                    |                                             |   |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------|---------------------------------------------|---|----------|
| <b>Test Case Name:</b> TC_26_8_1_2_3_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       |                                                                                                    |                                             |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |                                                                                                    |                                             |   |          |
| <b>Purpose:</b> <ol style="list-style-type: none"> <li>1) To verify that a CC entity of the MS in CC-state U1, "Call initiated", upon receipt of a RELEASE COMPLETE message with valid cause value, enters CC state U0, "Null".</li> <li>2) To verify that in returning to idle mode, the CC entities relating to the seven mobile originating transaction identifiers are in state U0, "Null".</li> <li>3) To verify that in releasing the MM-connection, the MS shall wait for MM layer release initiated by SS.</li> </ol> |       |                                                                                                    |                                             |   |          |
| <b>Default:</b> OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |                                                                                                    |                                             |   |          |
| Nr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Label | Behaviour Description                                                                              | CRef                                        | V | Comments |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       | START T_guard(300)                                                                                 |                                             |   |          |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcE, TSPX_MOChRateE)                                         |                                             |   | 1.       |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                               |                                             |   |          |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)   |                                             |   |          |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       | +PreEnterCCstateU1_22(C_Immass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B) |                                             |   |          |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | body  | L!DL_DatRqRelCmp                                                                                   | RelComSnd(TCV_chTch, ReleaseCmp_04(TCV_TI)) |   |          |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       | +CheckTlInStateU0(TRUE, TCV_chTch)                                                                 |                                             |   |          |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       | +PostMainLinkRel(TCV_chTch)                                                                        |                                             |   |          |
| <b>Detailed Comments:</b> 1. To select a basic service and channel rate, if the MS supports telephony the selected basic service is telephony.                                                                                                                                                                                                                                                                                                                                                                                |       |                                                                                                    |                                             |   |          |

| Test Case Dynamic Behaviour                                                                                                                                                                                                                                                          |       |                                                                                                         |                                        |     |          |
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| <b>Test Case Name:</b> TC_26_8_1_2_3_3                                                                                                                                                                                                                                               |       |                                                                                                         |                                        |     |          |
| <b>Group:</b> GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                    |       |                                                                                                         |                                        |     |          |
| <b>Purpose:</b> To verify that a CC entity of the MS in CC-state U1, "Call initiated", upon expiry of T303 (accuracy +/- 20% between reception of CM-SERVICE REQUEST and DISCONNECT by SS) sends a DISCONNECT message to its peer entity and enters state U11, "Disconnect request". |       |                                                                                                         |                                        |     |          |
| <b>Default:</b> OtherEventsFail                                                                                                                                                                                                                                                      |       |                                                                                                         |                                        |     |          |
| Nr                                                                                                                                                                                                                                                                                   | Label | Behaviour Description                                                                                   | CRef                                   | V   | Comments |
| 1                                                                                                                                                                                                                                                                                    |       | START T_guard(300)                                                                                      |                                        |     |          |
| 2                                                                                                                                                                                                                                                                                    |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcF, TSPX_MOChRateF)                                              |                                        |     | 1.       |
| 3                                                                                                                                                                                                                                                                                    |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                    |                                        |     |          |
| 4                                                                                                                                                                                                                                                                                    |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)        |                                        |     |          |
| 5                                                                                                                                                                                                                                                                                    |       | +PreEnterCCstateU1_22Timer(C_Immass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B) |                                        |     |          |
| 6                                                                                                                                                                                                                                                                                    | body  | L?DL_DatInDisc (TCV_Fn1 := DL_DatInDisc.fn) READTIMER T_dly(TCV_Time), CANCEL T_dly                     | DiscRcv(TCV_chTch, Disconn_05(TCV_TI)) | (P) |          |
| 7                                                                                                                                                                                                                                                                                    |       | [(TCV_Time < 24000) OR (TCV_Time >= 36000)]                                                             |                                        | (F) |          |
| 8                                                                                                                                                                                                                                                                                    |       | +PostMainLinkRel(TCV_chTch)                                                                             |                                        |     |          |
| 9                                                                                                                                                                                                                                                                                    |       | [(TCV_Time >= 24000) AND (TCV_Time < 36000)]                                                            |                                        | (P) |          |
| 10                                                                                                                                                                                                                                                                                   |       | +CCstatuschk_05(C_U11, TCV_TI, TCV_chTch)                                                               |                                        |     |          |
| 11                                                                                                                                                                                                                                                                                   |       | +PostMainLinkRel(TCV_chTch)                                                                             |                                        |     |          |
| <b>Detailed Comments:</b> 1. To select a basic service and channel rate, if the MS supports telephony the selected basic service is telephony.                                                                                                                                       |       |                                                                                                         |                                        |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |   |          |
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| <b>Test Case Name:</b>      |       | TC_26_8_1_2_3_4                                                                                                                                                                                                                                                                                                                                                                                                                   |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                                                                               |      |   |          |
| <b>Purpose:</b>             |       | To verify that after the MS with a CC entity in state U1 "Call initiated", has detected a lower layer failure and has returned to idle mode, the CC entities relating to the seven mobile originating transaction identifiers are in state U0, "Null".                                                                                                                                                                            |      |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                   |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                             | CRef | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                |      |   |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcG, TSPX_MOChRateG)                                                                                                                                                                                                                                                                                                                                                                        |      |   | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                              |      |   |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                  |      |   |          |
| 5                           |       | +PreEnterCCstateU1_24(C_Immass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                |      |   | 2.       |
| 6                           | body  | +LowerLayerFailure(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                        |      |   | 3.       |
| 7                           |       | START T_dly(20000)                                                                                                                                                                                                                                                                                                                                                                                                                |      |   |          |
| 8                           |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                                    |      |   | 4.       |
| 9                           |       | +CCEstablishMT_SDCH4(TimingAdv_01)                                                                                                                                                                                                                                                                                                                                                                                                |      |   |          |
| 10                          |       | +CheckTIsInStateU0(TRUE, TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                  |      |   | 5.       |
| 11                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                          |      |   |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To select a basic service and channel rate, if the MS supports telephony the selected basic service is telephony.</li> <li>2. To bring the MS into U1 state.</li> <li>3. A layer failure generated in the test system.</li> <li>4. Waiting for the MS return to idle state.</li> <li>5. To check that CC entities related to all transaction identifiers are return to idle.</li> </ol> |      |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                        |                                          |   |          |
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| <b>Test Case Name:</b>      |       | TC_26_8_1_2_3_5                                                                                                                                                        |                                          |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                    |                                          |   |          |
| <b>Purpose:</b>             |       | To verify that a CC entity of the MS in CC-state U1, "Call initiated", upon receipt of an ALERTING message, enters CC state U4, "Call delivered".                      |                                          |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                        |                                          |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                  | CRef                                     | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                     |                                          |   |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcH, TSPX_MOChRateH)                                                                                                             |                                          |   | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                   |                                          |   |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                       |                                          |   |          |
| 5                           |       | +PreEnterCCstateU1_24(C_Immass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                     |                                          |   |          |
| 6                           | body  | !DL_DatRqAlert                                                                                                                                                         | AlertSnd(TCV_chTch, Alerting_01(TCV_TI)) |   |          |
| 7                           |       | +CCstatuschk_05(C_U4, TCV_TI, TCV_chTch)                                                                                                                               |                                          |   |          |
| 8                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                            |                                          |   |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To select a basic service and channel rate, if the MS supports telephony the selected basic service is telephony.</li> </ol> |                                          |   |          |



| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                     |                                                               |   |          |
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| <b>Test Case Name:</b>      |       | TC_26_8_1_2_3_6                                                                                                                                                                                     |                                                               |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                 |                                                               |   |          |
| <b>Purpose:</b>             |       | To verify that a CC entity of the MS in CC-state U1, "Call initiated", upon receipt of a CONNECT message, sends a CONNECT ACKNOWLEDGE message to its peer entity and enters CC state U10, "Active". |                                                               |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                     |                                                               |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                               | CRef                                                          | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                  |                                                               |   |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcI, TSPX_MOChRateI)                                                                                                                                          |                                                               |   | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                |                                                               |   |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                    |                                                               |   |          |
| 5                           |       | +PreEnterCCstateU1_24(C_Immass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                  |                                                               |   |          |
| 6                           | body  | L!DL_DatRqConn                                                                                                                                                                                      | ConnSnd(TCV_chTch                                             |   |          |
| 7                           |       | L?DL_DatInConnAck                                                                                                                                                                                   | Connect_02(TCV_TI))<br>ConnAckRcv(Connect<br>Ack_02(TCV_TI0)) |   |          |
| 8                           |       | +CCstatuschk_05(C_U10, TCV_TI, TCV_chTch)                                                                                                                                                           |                                                               |   |          |
| 9                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                         |                                                               |   |          |
| <b>Detailed Comments:</b>   |       | 1. To select a basic service and channel rate, if the MS supports telephony the selected basic service is telephony.                                                                                |                                                               |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                |                                                |     |          |
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| <b>Test Case Name:</b>      |       | TC_26_8_1_2_3_7                                                                                                                                                                                                                                                |                                                |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                            |                                                |     |          |
| <b>Purpose:</b>             |       | To verify that a CC entity of the MS in CC-state U1, "Call initiated", upon receipt of a message with message type not defined for the protocol discriminator unknown message from its peer entity returns a STATUS message.                                   |                                                |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                |                                                |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                          | CRef                                           | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                             |                                                |     |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcJ, TSPX_MOChRateJ)                                                                                                                                                                                                     |                                                |     | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                           |                                                |     |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                               |                                                |     |          |
| 5                           |       | +PreEnterCCstateU1_21(TimingAdv_01)                                                                                                                                                                                                                            |                                                |     |          |
| 6                           | body  | L!DL_DatRqUndefCC                                                                                                                                                                                                                                              | Undef(TCV_ch,<br>UndefCC_02(TCV_TI)<br>)       |     | 2.       |
| 7                           |       | L?DL_DatInCcst                                                                                                                                                                                                                                                 | CCStatusRcv(CCStat<br>us_08(TCV_TI0,<br>C_U1)) | (P) | 3.       |
| 8                           |       | +CCstatuschk_05(C_U1, TCV_TI, TCV_ch)                                                                                                                                                                                                                          |                                                |     | 4.       |
| 9                           |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                       |                                                |     |          |
| <b>Detailed Comments:</b>   |       | 1. To select a basic service and channel rate, if the MS supports telephony the selected basic service is telephony.<br>2. Message type not defined for CC.<br>3. The expected STATUS message received.<br>4. To check whether the MS is still in CC state U1. |                                                |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                     |                                          |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_4_1                                                                                                                                                     |                                          |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                 |                                          |   |          |
| <b>Purpose:</b>             |       | To verify that a CC-entity of the MS in CC-state U3, "Mobile Originating Call Proceeding", upon receipt of a ALERTING message enters CC-state U4, "Call Delivered". |                                          |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                     |                                          |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                               | CRef                                     | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                  |                                          |   |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBScSvcA, TSPX_MOChRateA)                                                                                                          |                                          |   | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                |                                          |   |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                    |                                          |   |          |
| 5                           |       | +PreEnterCCstateU3_22(C_Immass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                  |                                          |   |          |
| 6                           | body  | !DL_DatRqAlert                                                                                                                                                      | AlertSnd(TCV_chTch, Alerting_01(TCV_TI)) |   |          |
| 7                           |       | +CCstatuschk_05(C_U4, TCV_TI, TCV_chTch)                                                                                                                            |                                          |   |          |
| 8                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                         |                                          |   |          |
| <b>Detailed Comments:</b>   |       | 1. To select a circuit switched basic service for testing.                                                                                                          |                                          |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                           |                                        |   |          |
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| <b>Test Case Name:</b>      |       | TC_26_8_1_2_4_2                                                                                                                                                                                                                                                                                           |                                        |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                       |                                        |   |          |
| <b>Purpose:</b>             |       | 1) To verify that a CC-entity of the MS in CC-state U3, "Mobile Originating Call Proceeding", upon receipt of a CONNECT message returns a "CONNECT ACKNOWLEDGE" message to its peer entity and enters the CC state U10, "Active".<br>2) To verify that the MS stops locally generated indication, if any. |                                        |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                           |                                        |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                     | CRef                                   | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                        |                                        |   |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBScSvcB, TSPX_MOChRateB)                                                                                                                                                                                                                                                |                                        |   | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                      |                                        |   |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                          |                                        |   |          |
| 5                           |       | +PreEnterCCstateU3_22(C_Immass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                        |                                        |   |          |
| 6                           | body  | !DL_DatRqConn                                                                                                                                                                                                                                                                                             | ConnSnd(TCV_chTch, Connect_02(TCV_TI)) |   |          |
| 7                           |       | (TCV_Res := OO_ToneStopCHK())                                                                                                                                                                                                                                                                             |                                        |   |          |
| 8                           |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                          |                                        |   | (P)      |
| 9                           |       | L?DL_DatInConnAck                                                                                                                                                                                                                                                                                         | ConnAckRcv(Connect Ack_02(TCV_TI0))    |   |          |
| 10                          |       | +CCstatuschk_05(C_U10, TCV_TI, TCV_chTch)                                                                                                                                                                                                                                                                 |                                        |   |          |
| 11                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                               |                                        |   |          |
| 12                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                         |                                        |   | (F)      |
| 13                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                               |                                        |   |          |
| <b>Detailed Comments:</b>   |       | 1. To select a circuit switched basic service for testing.                                                                                                                                                                                                                                                |                                        |   |          |

| Test Case Dynamic Behaviour                                                                                                                                                    |       |                                                                                                   |                                          |     |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------|------------------------------------------|-----|----------|
| <b>Test Case Name:</b> TC_26_8_1_2_4_3                                                                                                                                         |       |                                                                                                   |                                          |     |          |
| <b>Group:</b> GSM_L3_MS_v4160/CC/                                                                                                                                              |       |                                                                                                   |                                          |     |          |
| <b>Purpose:</b>                                                                                                                                                                |       |                                                                                                   |                                          |     |          |
| 1) To verify that a CC-entity of the MS in CC-state U3, "Mobile Originating Call Proceeding", upon receipt of a PROGRESS message with valid cause values stays in CC-state U3. |       |                                                                                                   |                                          |     |          |
| 2) To verify that after receipt of the PROGRESS message timer T310 is stopped.                                                                                                 |       |                                                                                                   |                                          |     |          |
| <b>Default:</b> OtherEventsFail                                                                                                                                                |       |                                                                                                   |                                          |     |          |
| Nr                                                                                                                                                                             | Label | Behaviour Description                                                                             | CRef                                     | V   | Comments |
| 1                                                                                                                                                                              |       | START T_guard(300)                                                                                |                                          |     |          |
| 2                                                                                                                                                                              |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcC, TSPX_MOChRateC)                                        |                                          |     | 1.       |
| 3                                                                                                                                                                              |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                              |                                          |     |          |
| 4                                                                                                                                                                              |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)  |                                          |     |          |
| 5                                                                                                                                                                              |       | +PreEnterCCstateU3_22(C_Immass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B) |                                          |     |          |
| 6                                                                                                                                                                              | body  | L!DL_DatRqProg                                                                                    | Progress(TCV_chTch, Progress_01(TCV_TI)) |     |          |
| 7                                                                                                                                                                              |       | +CCstatuschk_05(C_U3, TCV_TI, TCV_chTch)                                                          |                                          |     | 2.       |
| 8                                                                                                                                                                              |       | START T_dly(45000)                                                                                |                                          |     | 3.       |
| 9                                                                                                                                                                              |       | L?DL_DatInDisc                                                                                    | DiscRcv(TCV_chTch, Disconn_05(TCV_TI0))  | (F) |          |
| 10                                                                                                                                                                             |       | +PostMainLinkRel(TCV_chTch)                                                                       |                                          |     |          |
| 11                                                                                                                                                                             |       | ?TIMEOUT T_dly                                                                                    |                                          |     |          |
| 12                                                                                                                                                                             |       | +CCstatuschk_05(C_U3, TCV_TI, TCV_chTch)                                                          |                                          |     | 4.       |
| 13                                                                                                                                                                             |       | +PostMainLinkRel(TCV_chTch)                                                                       |                                          |     |          |
| <b>Detailed Comments:</b>                                                                                                                                                      |       |                                                                                                   |                                          |     |          |
| 1. To select2 a circuit switched basic service for testing.                                                                                                                    |       |                                                                                                   |                                          |     |          |
| 2. To check that CC state is U3                                                                                                                                                |       |                                                                                                   |                                          |     |          |
| 3. To check that the MS has stopped T310.                                                                                                                                      |       |                                                                                                   |                                          |     |          |
| 4. To check that CC state is still U3                                                                                                                                          |       |                                                                                                   |                                          |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                          |     |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_4_4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                          |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                          |     |          |
| <b>Purpose:</b>             |       | To verify that a CC-entity of the MS in CC-state U3, "Mobile Originating Call Proceeding", upon receipt of a PROGRESS message indicating in-band announcement through-connects the traffic channel for speech, if TCH is in speech mode. If TCH is not in a speech mode, the MS does not through-connect the TCH.                                                                                                                                                                                                                                                               |                                          |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                          |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CRef                                     | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                          |     |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcD, TSPX_MOChRateD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                          |     | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                          |     |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          |     |          |
| 5                           |       | +PreEnterCCstateU3_22(C_Immass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                          |     |          |
| 6                           | body  | L!DL_DatRqProg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Progress(TCV_chTch, Progress_02(TCV_TI)) |     |          |
| 7                           |       | (TCV_Res := OO_TCHthroConnCHK())                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          |     |          |
| 8                           |       | [TCV_ChMod.mode = C_ChMod_r]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          |     | 2.       |
| 9                           |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          | (P) |          |
| 10                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                          |     |          |
| 11                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                          | (F) |          |
| 12                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                          |     |          |
| 13                          |       | [TCV_ChMod.mode<> C_ChMod_r]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          |     | 3.       |
| 14                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                          | (P) |          |
| 15                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                          |     |          |
| 16                          |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          | (F) |          |
| 17                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                          |     |          |
| <b>localtree</b>            |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                          |     |          |
| 18                          |       | +CCstatuschk_05(C_U3, TCV_TI, TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                          |     | 4.       |
| 19                          |       | START T_dly(45000)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                          |     | 5.       |
| 20                          |       | L?DL_DatInDisc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DiscRcv(TCV_chTch, Disconn_05(TCV_TI0))  | (F) |          |
| 21                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                          |     |          |
| 22                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                          |     |          |
| 23                          |       | +CCstatuschk_05(C_U3, TCV_TI, TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                          |     | 6.       |
| 24                          |       | (TCV_Res := OO_TCHthroConnCHK())                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          |     |          |
| 25                          |       | [TCV_ChMod.mode = C_ChMod_r]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          |     | 7.       |
| 26                          |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          | (P) |          |
| 27                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                          |     |          |
| 28                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                          | (F) |          |
| 29                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                          |     |          |
| 30                          |       | [TCV_ChMod.mode<> C_ChMod_r]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          | (P) |          |
| 31                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                          |     |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To select a circuit switched basic service for testing.</li> <li>2. To check if the TCH is connected through if the channel mode is speech, so that the inband information may be heard.</li> <li>3. To check if the TCH is not connected through if the channel mode is not speech.</li> <li>4. To check that CC is in state U3.</li> <li>5. To check that the MS has stopped T310</li> <li>6. To check that CC is still in state U3.</li> <li>7. To check if the TCH is connected through if the channel mode is speech.</li> </ol> |                                          |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                     |                                        |     |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_4_5                                                                                                                                                                                                                                                                                                                     |                                        |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                 |                                        |     |          |
| <b>Purpose:</b>             |       | To verify that a CC-entity of the MS in CC-state U3, "Mobile Originating Call Proceeding", upon receipt of a DISCONNECT with progress indicator #8 through-connects the speech channel to make in-band announcements available, if traffic channel is in speech mode. If TCH is not in speech mode, the MS sends a RELEASE message. |                                        |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                     |                                        |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                               | CRef                                   | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                  |                                        |     |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcE, TSPX_MOChRateE)                                                                                                                                                                                                                                                                          |                                        |     | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                |                                        |     |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                    |                                        |     |          |
| 5                           |       | +PreEnterCCstateU3_22(C_Immass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                   |                                        |     |          |
| 6                           | body  | L!DL_DatRqDisc                                                                                                                                                                                                                                                                                                                      | DiscSnd(TCV_chTch, Disconn_04(TCV_TI)) |     |          |
| 7                           |       | [TCV_ChMod.mode = C_ChMod_r]                                                                                                                                                                                                                                                                                                        |                                        |     |          |
| 8                           |       | (TCV_Res := OO_TCHthroConnCHK())                                                                                                                                                                                                                                                                                                    |                                        |     |          |
| 9                           |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                    |                                        | (P) | 2.       |
| 10                          |       | +CCstatuschk_05(C_U12, TCV_TI, TCV_chTch)                                                                                                                                                                                                                                                                                           |                                        |     | 3.       |
| 11                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                         |                                        |     |          |
| 12                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                   |                                        | (F) |          |
| 13                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                         |                                        |     |          |
| 14                          |       | [TCV_ChMod.mode <> C_ChMod_r]                                                                                                                                                                                                                                                                                                       |                                        |     |          |
| 15                          |       | L?DL_DatInRel                                                                                                                                                                                                                                                                                                                       | ReleaseRcv(Release_10(TCV_TI0))        | (P) |          |
| 16                          |       | +CCstatuschk_05(C_U19, TCV_TI, TCV_chTch)                                                                                                                                                                                                                                                                                           |                                        |     | 4.       |
| 17                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                         |                                        |     |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To select a circuit switched basic service for testing.</li> <li>2. To check that the TCH is connected through if channel mode is speech.</li> <li>3. To check that CC is in state U12.</li> <li>4. To check that CC is in state U19.</li> </ol>                                          |                                        |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                              |                                        |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_4_6                                                                                                                                                                                                              |                                        |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                          |                                        |   |          |
| <b>Purpose:</b>             |       | To verify that a CC-entity of the MS in CC-state U3, "Mobile Originating Call Proceeding", upon receipt of a DISCONNECT without progress indicator returns a RELEASE message and enters the CC-state U19, "Release Request". |                                        |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                              |                                        |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                        | CRef                                   | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                           |                                        |   |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcF, TSPX_MOChRateF)                                                                                                                                                                   |                                        |   | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                         |                                        |   |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                             |                                        |   |          |
| 5                           |       | +PreEnterCCstateU3_22(C_Immass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                           |                                        |   |          |
| 6                           | body  | L!DL_DatRqDisc                                                                                                                                                                                                               | DiscSnd(TCV_chTch, Disconn_07(TCV_TI)) |   |          |
| 7                           |       | L?DL_DatInRel                                                                                                                                                                                                                | ReleaseRcv(Release_10(TCV_TI0))        |   |          |
| 8                           |       | +CCstatuschk_05(C_U19, TCV_TI, TCV_chTch)                                                                                                                                                                                    |                                        |   | 2.       |
| 9                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                  |                                        |   |          |
| <b>Detailed Comments:</b>   |       | 1. To select a circuit switched basic service for testing.<br>2. To check that CC is in state U19.                                                                                                                           |                                        |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                           |     |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_4_7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                           |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                           |     |          |
| <b>Purpose:</b>             |       | <ol style="list-style-type: none"> <li>1) To verify that a CC-entity of the MS in CC-state U3, "Mobile Originating Call Proceeding", upon receipt of a RELEASE will return a RELEASE COMPLETE and enter the CC-state U0, "Null".</li> <li>2) To verify that the MS on returning to the idle mode releases the MM-connection and that the CC-entities relating to the seven mobile originating transaction identifiers are in CC-state U0, "Null".</li> <li>3) To verify that in releasing the MM-connection, the MS shall wait for MM layer release initiated by SS.</li> </ol> |                                           |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                           |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CRef                                      | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           |     |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcG, TSPX_MOChRateG)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |     | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |     |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                           |     |          |
| 5                           |       | +PreEnterCCstateU3_22(C_Immass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           |     |          |
| 6                           | body  | L!DL_DatRqRel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ReleaseSnd(TCV_chTch, Release_03(TCV_TI)) |     |          |
| 7                           |       | L?DL_DatInRelCmp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | RelComRcv(ReleaseCmp_03(TCV_TI0))         | (P) |          |
| 8                           |       | +CheckTlInStateU0(TRUE, TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           |     |          |
| 9                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |     |          |
| <b>Detailed Comments:</b>   |       | 1. To select a circuit switched basic service for testing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                    |                                               |     |                                                                                                                                  |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_4_8                                                                                                                                                                                                                                                                    |                                               |     |                                                                                                                                  |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                |                                               |     |                                                                                                                                  |
| <b>Purpose:</b>             |       | To verify that a CC-entity of the MS in CC-state U3, "Mobile Originating Call Proceeding", upon request by the user to terminate will send a DISCONNECT message and enter the CC-state U11, "Disconnect Request".                                                                  |                                               |     |                                                                                                                                  |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                    |                                               |     |                                                                                                                                  |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                              | CRef                                          | V   | Comments                                                                                                                         |
| 1                           | body  | START T_guard(300)                                                                                                                                                                                                                                                                 | DiscRcv(TCV_chTch,<br>Disconn_05(TCV_TI0<br>) | (P) | 1.<br><br><br><br><br><br><br><br><br><br>2.<br><br><br><br><br><br><br><br><br><br>3.<br><br><br><br><br><br><br><br><br><br>4. |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvch,<br>TSPX_MOChRateH)                                                                                                                                                                                                                      |                                               |     |                                                                                                                                  |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                               |                                               |     |                                                                                                                                  |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot,<br>TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B,<br>'011'B, '00'O)                                                                                                                                                                             |                                               |     |                                                                                                                                  |
| 5                           |       | +PreEnterCCstateU3_23(TimingAdv_01)                                                                                                                                                                                                                                                |                                               |     |                                                                                                                                  |
| 6                           |       | +TermCall                                                                                                                                                                                                                                                                          |                                               |     |                                                                                                                                  |
| 7                           |       | L?DL_DatInDisc                                                                                                                                                                                                                                                                     |                                               |     |                                                                                                                                  |
| 8                           |       | +CCstatuschk_05(C_U11, TCV_TI,<br>TCV_ch)                                                                                                                                                                                                                                          |                                               |     |                                                                                                                                  |
| 9                           |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                           |                                               |     |                                                                                                                                  |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To select a circuit switched basic service for testing.</li> <li>2. To initiate MO call and bring the MS into U3 state.</li> <li>3. The expected DISCONNECT received.</li> <li>4. To check whether the MS is in CC state U11.</li> </ol> |                                               |     |                                                                                                                                  |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                   |      |   |                                              |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------------------------------------------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_4_9                                                                                                                                                                                                                                                                   |      |   |                                              |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                               |      |   |                                              |
| <b>Purpose:</b>             |       | To verify that a CC-entity of the MS in CC-state U3, "Mobile Originating Call Proceeding", when allocated a traffic channel by the network performing the assignment procedure, performs a layer 2 establishment on the FACCH without changing the state of the call in progress. |      |   |                                              |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                   |      |   |                                              |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                             | CRef | V | Comments                                     |
| 1                           | body  | START T_guard(300)                                                                                                                                                                                                                                                                |      |   | 1.<br><br><br><br><br><br><br><br><br><br>3. |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcl,<br>TSPX_MOChRateI)                                                                                                                                                                                                                     |      |   |                                              |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                              |      |   |                                              |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot,<br>TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B,<br>'011'B, '00'O)                                                                                                                                                                            |      |   |                                              |
| 5                           |       | +PreEnterCCstateU3_23(TimingAdv_01)                                                                                                                                                                                                                                               |      |   |                                              |
| 6                           |       | +CCAssignTCH(C_Ass, TSPX_TmSltDef,<br>TSPX_TscDef, TimingAdv_01, '000'B,<br>'001'B, '011'B)                                                                                                                                                                                       |      |   |                                              |
| 7                           |       | +CCstatuschk_05(C_U3, TCV_TI,<br>TCV_chTch)                                                                                                                                                                                                                                       |      |   |                                              |
| 8                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                       |      |   |                                              |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To setup a physical channel as BCCH, CCCH and SDCCH4.</li> <li>2. The assignment procedure succeeds.</li> <li>3. To check that the MS is in state U3.</li> </ol>                                                                        |      |   |                                              |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                     |                                         |     |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_4_10                                                                                                                                                                                                                                                                                                    |                                         |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                 |                                         |     |          |
| <b>Purpose:</b>             |       | To verify that a CC-entity of the MS in CC-state U3, "Mobile Originating Call Proceeding" will, upon expiry of timer T310, initiate call release by sending DISCONNECT and enter the CC-state U11, "Disconnect Request".                                                                                            |                                         |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                     |                                         |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                               | CRef                                    | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                  |                                         |     |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcJ, TSPX_MOChRateJ)                                                                                                                                                                                                                                                          |                                         |     |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                |                                         |     |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                    |                                         |     | 1.       |
| 5                           |       | +PreEnterCCstateU3_23(TimingAdv_01)                                                                                                                                                                                                                                                                                 |                                         |     | 2.       |
| 6                           | body  | START T_dly1(45000)                                                                                                                                                                                                                                                                                                 |                                         |     |          |
| 7                           |       | ?TIMEOUT T_dly1                                                                                                                                                                                                                                                                                                     |                                         | (F) | 3.       |
| 8                           |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                            |                                         |     |          |
| 9                           |       | L?DL_DatInDisc                                                                                                                                                                                                                                                                                                      | DiscRcv(TCV_chTch, Disconn_05(TCV_TI0)) |     |          |
| 10                          |       | READTIMER T_dly1(TCV_Time),<br>CANCEL T_dly1                                                                                                                                                                                                                                                                        |                                         |     |          |
| 11                          |       | [TCV_Time < 29400]                                                                                                                                                                                                                                                                                                  |                                         | (F) | 4.       |
| 12                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                            |                                         |     |          |
| 13                          |       | [TCV_Time >= 29400]                                                                                                                                                                                                                                                                                                 |                                         | (P) |          |
| 14                          |       | +CCstatuschk_05(C_U11, TCV_TI, TCV_ch)                                                                                                                                                                                                                                                                              |                                         |     | 5.       |
| 15                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                            |                                         |     |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To setup a physical channel as BCCH, CCCH and SDCCH4.</li> <li>2. To initiate MO call and bring the MS into U3 state.</li> <li>3. T310 &gt;= 45 seconds, fail.</li> <li>4. T310 &lt; 29.4 seconds, fail.</li> <li>5. To check that the MS is in the state U11.</li> </ol> |                                         |     |          |



| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                           |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_4_11                                                                                                                                                                                                                                                                                                                                                                                                          |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| <b>Purpose:</b>             |       | To verify that a CC-entity of the MS in CC-state U3, "Mobile Originating Call Proceeding" having detected a lower layer failure and having returned to idle mode, the CC entities relating to the seven mobile originating transaction identifiers are in state U0, "Null".                                                                                                                                               |      |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                           |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                     | CRef | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                        |      |   |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcA, TSPX_MOChRateA)                                                                                                                                                                                                                                                                                                                                                                |      |   | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                      |      |   |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                          |      |   | 2.       |
| 5                           |       | +PreEnterCCstateU3_24(C_Immass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                        |      |   |          |
| 6                           | body  | +LowerLayerFailure(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                |      |   |          |
| 7                           |       | START T_dly(20000)                                                                                                                                                                                                                                                                                                                                                                                                        |      |   |          |
| 8                           |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                            |      |   | 3.       |
| 9                           |       | +CCEstablishMT_SDCCH4(TimingAdv_01)                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 10                          |       | +CheckTIsInStateU0(TRUE, TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                          |      |   | 4.       |
| 11                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                  |      |   |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To select a basic service and channel rate, if the MS supports telephony the selected basic service is telephony.</li> <li>2. To setup the full rate or half rate traffic channel and BCCH, CCCH for the test.</li> <li>3. Waiting for the MS return to idle state.</li> <li>4. To check that CC entities related to all transaction identifiers are return to idle.</li> </ol> |      |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                   |                                         |     |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_4_12                                                                                                                                                                                                                                                                                  |                                         |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                               |                                         |     |          |
| <b>Purpose:</b>             |       | To verify that a CC-entity of the MS in CC-state U3, "Mobile Originating Call Proceeding" having received an unknown message from its peer entity returns a STATUS message.                                                                                                                       |                                         |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                   |                                         |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                             | CRef                                    | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                |                                         |     |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcB, TSPX_MOChRateB)                                                                                                                                                                                                                                        |                                         |     |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                              |                                         |     |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                  |                                         |     | 1.       |
| 5                           |       | +PreEnterCCstateU3_21(TimingAdv_01)                                                                                                                                                                                                                                                               |                                         |     |          |
| 6                           | body  | !IDL_DatRqUndefCC                                                                                                                                                                                                                                                                                 | Undef(TCV_ch, UndefCC_02(TCV_TI))       |     | 2.       |
| 7                           |       | L?DL_DatInCcst                                                                                                                                                                                                                                                                                    | CCStatusRcv(CCStatus_08(TCV_TI0, C_U3)) | (P) | 3.       |
| 8                           |       | +CCstatuschk_05(C_U3, TCV_TI, TCV_ch)                                                                                                                                                                                                                                                             |                                         |     | 4.       |
| 9                           |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                          |                                         |     |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To setup a physical channel as BCCH, CCCH and SDCCH4.</li> <li>2. To send a message which type is not defined for the CC.</li> <li>3. The expected STATUS message received.</li> <li>4. To check whether the MS is still in the CC state U3.</li> </ol> |                                         |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                       |     |                                                      |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----|------------------------------------------------------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_4_13                                                                                                                                                                                                                                                                                                                                                                                                                  |                                       |     |                                                      |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                                                                               |                                       |     |                                                      |
| <b>Purpose:</b>             |       | To verify that if the user connection is not attached to the radio path, the MS generates internally an alerting indication when the call control entity of the MS in the "mobile originating call proceeding" state receives an ALERTING message then it enters "call delivered" state and, for speech calls, if the user connection is not attached to the radio path, the MS shall internally generate an alerting indication. |                                       |     |                                                      |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                   |                                       |     |                                                      |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                             | CRef                                  | V   | Comments                                             |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                |                                       |     |                                                      |
| 2                           |       | (TCV_Service := C_Telephony, TCV_ChRate :=C_Full)                                                                                                                                                                                                                                                                                                                                                                                 |                                       |     | TC only applicable to MS which support MO telephony. |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                              |                                       |     |                                                      |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                  |                                       |     |                                                      |
| 5                           |       | +PreEnterCCstateU3_21(TimingAdv_01)                                                                                                                                                                                                                                                                                                                                                                                               |                                       |     |                                                      |
| 6                           | body  | !IDL_DatRqAlert                                                                                                                                                                                                                                                                                                                                                                                                                   | AlertSnd(TCV_ch, Alerting_01(TCV_TI)) |     |                                                      |
| 7                           |       | (TCV_Res := OO_AltIndCHK())                                                                                                                                                                                                                                                                                                                                                                                                       |                                       |     |                                                      |
| 8                           |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                                                                                  |                                       | (P) |                                                      |
| 9                           |       | +CCstatuschk_05(C_U4, TCV_TI, TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                             |                                       |     |                                                      |
| 10                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                          |                                       |     |                                                      |
| 11                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                                                                                                 |                                       | (F) |                                                      |
| 12                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                          |                                       |     |                                                      |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. The Ms generates a alerting indication to the user.</li> <li>2. To check whether the MS is in CC state U4.</li> <li>3. The MS does not generate a alerting indication to the user.</li> </ol>                                                                                                                                                                                           |                                       |     |                                                      |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                        |                                        |     |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_5_1                                                                                                                                                                                                                                                                        |                                        |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                    |                                        |     |          |
| <b>Purpose:</b>             |       | To verify that a CC-entity of the MS in CC-state U4, "Call Delivered", upon receipt of the CONNECT message returns a CONNECT ACKNOWLEDGE to its peer entity and enters the CC-state U10, "Active".                                                                                     |                                        |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                        |                                        |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                  | CRef                                   | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                     |                                        |     |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcC, TSPX_MOChRateC)                                                                                                                                                                                                                             |                                        |     |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                   |                                        |     |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                       |                                        |     | 1.       |
| 5                           |       | +PreEnterCCstateU4_23(C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                         |                                        |     |          |
| 6                           | body  | L!DL_DatRqConn                                                                                                                                                                                                                                                                         | ConnSnd(TCV_chTch, Connect_02(TCV_TI)) |     |          |
| 7                           |       | L?DL_DatInConnAck                                                                                                                                                                                                                                                                      | ConnAckRcv(ConnectAck_02(TCV_TI0))     | (P) | 2.       |
| 8                           |       | (TCV_Res := OO_AltIndCHK())                                                                                                                                                                                                                                                            |                                        |     |          |
| 9                           |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                       |                                        |     |          |
| 10                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                            |                                        | (F) | 3.       |
| 11                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                      |                                        | (P) | 4.       |
| 12                          |       | +CCstatuschk_05(C_U10, TCV_TI, TCV_chTch)                                                                                                                                                                                                                                              |                                        |     | 5.       |
| 13                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                            |                                        |     |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To set a physical channel as BCCH, CCCH and SDCCH4.</li> <li>2. The expected CONNECT ACKNOWLEDGE received.</li> <li>3. Alerting does not stop.</li> <li>4. Alerting stopped.</li> <li>5. To check whether the MS is in state U10.</li> </ol> |                                        |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                 |                                         |     |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_5_2                                                                                                                                                                                                                 |                                         |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                             |                                         |     |          |
| <b>Purpose:</b>             |       | To verify that a CC-entity of the MS in CC-state U4, "Call Delivered", upon request by the user to terminate will send a DISCONNECT message and enter the CC-state U11, "Disconnect Request".                                   |                                         |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                 |                                         |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                           | CRef                                    | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                              |                                         |     |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcD, TSPX_MOChRateD)                                                                                                                                                                      |                                         |     |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                            |                                         |     |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                |                                         |     | 1.       |
| 5                           |       | +PreEnterCCstateU4_23(C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                  |                                         |     |          |
| 6                           | body  | +TermCall                                                                                                                                                                                                                       |                                         |     |          |
| 7                           |       | L?DL_DatInDisc                                                                                                                                                                                                                  | DiscRcv(TCV_chTch, Disconn_05(TCV_TI0)) | (P) | 2.       |
| 8                           |       | +CCstatuschk_05(C_U11, TCV_TI, TCV_chTch)                                                                                                                                                                                       |                                         |     | 3.       |
| 9                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                     |                                         |     |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To setup a physical channel as BCCH, CCCH and SDCCH4.</li> <li>2. The expected DISCONNECT message received.</li> <li>3. To check whether the MS enters into the state U11.</li> </ol> |                                         |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                     |                                        |     |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_5_3                                                                                                                                                                                                                                                                                                                                     |                                        |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                 |                                        |     |          |
| <b>Purpose:</b>             |       | To verify that a CC-entity of the MS in CC-state U4, "Call Delivered", upon receipt of a DISCONNECT with a progress indicator indicating in-band information, through-connects the speech channel to make in-band announcements available, if traffic channel is in speech mode. If TCH is not in speech mode, the MS shall send a RELEASE message. |                                        |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                     |                                        |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                               | CRef                                   | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                  |                                        |     |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcE, TSPX_MOChRateE)                                                                                                                                                                                                                                                                                          |                                        |     | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                |                                        |     |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                    |                                        |     |          |
| 5                           |       | +PreEnterCCstateU4_22(C_Immass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                  |                                        |     |          |
| 6                           | body  | L!DL_DatRqDisc                                                                                                                                                                                                                                                                                                                                      | DiscSnd(TCV_chTch, Disconn_04(TCV_TI)) |     |          |
| 7                           |       | [TCV_ChMod.mode = C_ChMod_r]                                                                                                                                                                                                                                                                                                                        |                                        |     |          |
| 8                           |       | +CCstatuschk_05(C_U12, TCV_TI, TCV_chTch)                                                                                                                                                                                                                                                                                                           |                                        |     |          |
| 9                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                         |                                        |     |          |
| 10                          |       | [TCV_ChMod.mode <> C_ChMod_r]                                                                                                                                                                                                                                                                                                                       |                                        |     |          |
| 11                          |       | L?DL_DatInRel                                                                                                                                                                                                                                                                                                                                       | ReleaseRcv(Release_10(TCV_TI0))        | (P) |          |
| 12                          |       | +CCstatuschk_05(C_U19, TCV_TI, TCV_chTch)                                                                                                                                                                                                                                                                                                           |                                        |     |          |
| 13                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                         |                                        |     |          |
| <b>Detailed Comments:</b>   |       | 1. To select a circuit switched basic service for testing.                                                                                                                                                                                                                                                                                          |                                        |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                           |                                        |     |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_5_4                                                                                                                                                                                           |                                        |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                       |                                        |     |          |
| <b>Purpose:</b>             |       | To verify that a CC-entity of the MS in CC-state U4, "Call Delivered", upon receipt of a DISCONNECT without progress indicator, returns a RELEASE message and enters the CC-state U19, "Release Request". |                                        |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                           |                                        |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                     | CRef                                   | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                        |                                        |     |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcF, TSPX_MOChRateF)                                                                                                                                                |                                        |     | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                      |                                        |     |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                          |                                        |     |          |
| 5                           |       | +PreEnterCCstateU4_22(C_Immass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                        |                                        |     |          |
| 6                           | body  | L!DL_DatRqDisc                                                                                                                                                                                            | DiscSnd(TCV_chTch, Disconn_07(TCV_TI)) |     |          |
| 7                           |       | L?DL_DatInRel                                                                                                                                                                                             | ReleaseRcv(Release_10(TCV_TI0))        | (P) |          |
| 8                           |       | +CCstatuschk_05(C_U19, TCV_TI, TCV_chTch)                                                                                                                                                                 |                                        |     |          |
| 9                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                               |                                        |     |          |
| <b>Detailed Comments:</b>   |       | 1. To select a circuit switched basic service for testing.                                                                                                                                                |                                        |     |          |

| Test Case Dynamic Behaviour                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |                                                                                                   |                                            |     |          |
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| <b>Test Case Name:</b> TC_26_8_1_2_5_5                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |                                                                                                   |                                            |     |          |
| <b>Group:</b> GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                                                                   |                                            |     |          |
| <b>Purpose:</b> <ol style="list-style-type: none"> <li>1) To verify that a CC-entity of the MS in CC-state U4, "Call Delivered", upon receipt of the RELEASE message will respond with the RELEASE COMPLETE message and enter the CC-state U0, "Null"</li> <li>2) To verify that the MS on returning the idle mode releases the MM-connection and that the CC-entities relating to the seven mobile originating transaction identifiers are in CC-state U0, "Null".</li> </ol> |       |                                                                                                   |                                            |     |          |
| <b>Default:</b> OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |                                                                                                   |                                            |     |          |
| Nr                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Label | Behaviour Description                                                                             | CRef                                       | V   | Comments |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       | START T_guard(300)                                                                                |                                            |     |          |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcG, TSPX_MOChRateG)                                        |                                            |     | 1.       |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                              |                                            |     |          |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)  |                                            |     |          |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       | +PreEnterCCstateU4_22(C_Immass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B) |                                            |     |          |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | body  | L!DL_DatRqRel                                                                                     | ReleaseSnd(TCV_ch Tch, Release_03(TCV_TI)) |     |          |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       | L?DL_DatInRelCmp                                                                                  | RelComRcv(Release Cmp_03(TCV_TI0))         | (P) |          |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       | +CheckTlInStateU0(TRUE, TCV_chTch)                                                                |                                            |     |          |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       | +PostMainLinkRel(TCV_chTch)                                                                       |                                            |     |          |
| <b>Detailed Comments:</b> 1. To select a circuit switched basic service for testing.                                                                                                                                                                                                                                                                                                                                                                                           |       |                                                                                                   |                                            |     |          |

| Test Case Dynamic Behaviour                                                                                                                                                                                                                                             |       |                                                                                                   |      |   |          |
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| <b>Test Case Name:</b> TC_26_8_1_2_5_6                                                                                                                                                                                                                                  |       |                                                                                                   |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                       |       |                                                                                                   |      |   |          |
| <b>Purpose:</b> To verify that a CC-entity of the MS in CC-state U4, "Call Delivered" having detected a lower layer failure and has returned to idle mode, the CC-entities relating to the seven mobile originating transaction identifiers are in CC-state U0, "Null". |       |                                                                                                   |      |   |          |
| <b>Default:</b> OtherEventsFail                                                                                                                                                                                                                                         |       |                                                                                                   |      |   |          |
| Nr                                                                                                                                                                                                                                                                      | Label | Behaviour Description                                                                             | CRef | V | Comments |
| 1                                                                                                                                                                                                                                                                       |       | START T_guard(300)                                                                                |      |   |          |
| 2                                                                                                                                                                                                                                                                       |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcH, TSPX_MOChRateH)                                        |      |   | 1.       |
| 3                                                                                                                                                                                                                                                                       |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                              |      |   |          |
| 4                                                                                                                                                                                                                                                                       |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)  |      |   |          |
| 5                                                                                                                                                                                                                                                                       |       | +PreEnterCCstateU4_22(C_Immass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B) |      |   |          |
| 6                                                                                                                                                                                                                                                                       | body  | +LowerLayerFailure(TCV_ch)                                                                        |      |   |          |
| 7                                                                                                                                                                                                                                                                       |       | START T_dly(20000)                                                                                |      |   |          |
| 8                                                                                                                                                                                                                                                                       |       | ?TIMEOUT T_dly                                                                                    |      |   |          |
| 9                                                                                                                                                                                                                                                                       |       | +CCEstablishMT_SDCCH4(TimingAdv_01)                                                               |      |   |          |
| 10                                                                                                                                                                                                                                                                      |       | +CheckTlInStateU0(TRUE, TCV_ch)                                                                   |      |   |          |
| 11                                                                                                                                                                                                                                                                      |       | +PostMainLinkRel(TCV_ch)                                                                          |      |   |          |
| <b>Detailed Comments:</b> 1. To select a circuit switched basic service for testing.                                                                                                                                                                                    |       |                                                                                                   |      |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                  |      |   |          |
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| <b>Test Case Name:</b>      |       | TC_26_8_1_2_5_7                                                                                                                                                                                                                                                                  |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                              |      |   |          |
| <b>Purpose:</b>             |       | To verify that a CC-entity of the MS in CC-state U4, "Call Delivered", when allocated a traffic channel by the network performing the assignment procedure, shall perform a layer 2 establishment on the FACCH without changing the state of the call in progress.               |      |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                  |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                            | CRef | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                               |      |   |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBScSvcI, TSPX_MOChRateI)                                                                                                                                                                                                                       |      |   |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                             |      |   |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                 |      |   | 1.       |
| 5                           |       | +PreEnterCCstateU4_21(TimingAdv_01)                                                                                                                                                                                                                                              |      |   | 2.       |
| 6                           | body  | +CCAssignTCH(C_Ass, TSPX_TmSlTDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                            |      |   | 3.       |
| 7                           |       | +CCstatuschk_05(C_U4, TCV_TI, TCV_chTch)                                                                                                                                                                                                                                         |      |   | 4.       |
| 8                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                      |      |   |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To setup a physical channel as BCCH, CCCH and SDCCH4.</li> <li>2. To initiate MO call and bring the MS into U4 state.</li> <li>3. The assignment procedure succeeds.</li> <li>4. To check that the MS is still in state U4.</li> </ol> |      |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                  |                                          |   |          |
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| <b>Test Case Name:</b>      |       | TC_26_8_1_2_5_8                                                                                                                                                                                                                                                                                                                                  |                                          |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                              |                                          |   |          |
| <b>Purpose:</b>             |       | To verify that a CC-entity of the MS in CC-state U4, "Call Delivered", having received an unknown message from its peer entity returns a STATUS message.                                                                                                                                                                                         |                                          |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                  |                                          |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                            | CRef                                     | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                               |                                          |   |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBScSvcJ, TSPX_MOChRateJ)                                                                                                                                                                                                                                                                                       |                                          |   | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                             |                                          |   |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                 |                                          |   | 2.       |
| 5                           |       | +PreEnterCCstateU4_24(C_Immass, TSPX_TmSlTDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                |                                          |   |          |
| 6                           | body  | L!DL_DatRqUndefCC                                                                                                                                                                                                                                                                                                                                | Undef(TCV_chTch, UndefCC_02(TCV_TI))     |   | 3.       |
| 7                           |       | L?DL_DatInCcst                                                                                                                                                                                                                                                                                                                                   | CCStatusRcv(CCStat us_08(TCV_TI0, C_U4)) |   |          |
| 8                           |       | +CCstatuschk_05(C_U4, TCV_TI, TCV_chTch)                                                                                                                                                                                                                                                                                                         |                                          |   |          |
| 9                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                      |                                          |   |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To select a basic service and channel rate, if the MS supports telephony the selected basic service is telephony.</li> <li>2. To setup the full rate or half rate traffic channel and BCCH, CCCH for the test.</li> <li>3. To send a CC message which message type is undefined for the CC.</li> </ol> |                                          |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                    |                                         |     |          |
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| <b>Test Case Name:</b>      |       | TC_26_8_1_2_6_1                                                                                                                                                                                    |                                         |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                |                                         |     |          |
| <b>Purpose:</b>             |       | To verify that the a CC-entity of the MS in CC-state U10, "Call Active", upon request by the user to terminate will send a DISCONNECT message and enter the CC-state U11, "Disconnect Request".    |                                         |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                    |                                         |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                              | CRef                                    | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                 |                                         |     |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcA, TSPX_MOChRateA)                                                                                                                                         |                                         |     |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                               |                                         |     |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                   |                                         |     | 1.       |
| 5                           |       | +PreEnterCCstateU10_21(C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                    |                                         |     | 2.       |
| 6                           | body  | +TermCall                                                                                                                                                                                          |                                         |     |          |
| 7                           |       | L?DL_DatInDisc                                                                                                                                                                                     | DiscRcv(TCV_chTch, Disconn_05(TCV_TI0)) | (P) | 3.       |
| 8                           |       | +CCstatuschk_05(C_U11, TCV_TI, TCV_chTch)                                                                                                                                                          |                                         |     | 4.       |
| 9                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                        |                                         |     |          |
| <b>Detailed Comments:</b>   |       | 1. To setup a physical channel as BCCH, CCCH and SDCCH4.<br>2. To bring the MS into U10 state.<br>3. The expected DISCONNECT message received.<br>4. To check whether the MS enters the state U11. |                                         |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                           |     |          |
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| <b>Test Case Name:</b>      |       | TC_26_8_1_2_6_2                                                                                                                                                                                                                                                                                                                                                                                    |                                           |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                                                |                                           |     |          |
| <b>Purpose:</b>             |       | 1) To verify that the a CC-entity of the MS in CC-state U10, "Call Active", upon receive of the RELEASE will respond with the RELEASE COMPLETE message and enter the CC-state U0, "Null"<br>2) To verify that the MS on returning to the idle mode releases the MM-connection and that the CC-entities relating to the seven mobile originating transaction identifiers are in CC-state U0, "Null" |                                           |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                    |                                           |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                              | CRef                                      | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                 |                                           |     |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcB, TSPX_MOChRateB)                                                                                                                                                                                                                                                                                                                                         |                                           |     |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                               |                                           |     |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                   |                                           |     | 1.       |
| 5                           |       | +PreEnterCCstateU10_21(C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                    |                                           |     | 2.       |
| 6                           | body  | L!DL_DatRqRel                                                                                                                                                                                                                                                                                                                                                                                      | ReleaseSnd(TCV_chTch, Release_03(TCV_TI)) |     |          |
| 7                           |       | L?DL_DatInRelCmp                                                                                                                                                                                                                                                                                                                                                                                   | RelComRcv(ReleaseCmp_03(TCV_TI0))         | (P) | 3.       |
| 8                           |       | +CheckTlInStateU0(TRUE, TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                 |                                           |     |          |
| 9                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                        |                                           |     |          |
| <b>Detailed Comments:</b>   |       | 1. To setup a physical channel as BCCH, CCCH and SDCCH4.<br>2. To bring the MS into U10 state.<br>3. The expected RELEASE COMPLETE message received.                                                                                                                                                                                                                                               |                                           |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                      |                                        |     |                                                          |
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| <b>Test Case Name:</b>      |       | TC_26_8_1_2_6_3                                                                                                                                                                                                                                                                                                                                      |                                        |     |                                                          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                  |                                        |     |                                                          |
| <b>Purpose:</b>             |       | To verify that a CC-entity of the MS in CC-state U10, "Call Active", upon receipt of a DISCONNECT message with a Progress Indicator indicating in-band information, through-connects the speech channel to make in-band announcements available, if traffic channel is in speech mode. If TCH is not in speech mode, the MS sends a RELEASE message. |                                        |     |                                                          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                      |                                        |     |                                                          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                | CRef                                   | V   | Comments                                                 |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                   |                                        |     |                                                          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcC, TSPX_MOChRateC)                                                                                                                                                                                                                                                                                           |                                        |     | 1.                                                       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                 |                                        |     |                                                          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                     |                                        |     | 2.                                                       |
| 5                           |       | +PreEnterCCstateU10_22(C_Immass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                  |                                        |     |                                                          |
| 6                           | body  | L!DL_DatRqDisc                                                                                                                                                                                                                                                                                                                                       | DiscSnd(TCV_chTch, Disconn_04(TCV_TI)) |     | 3.                                                       |
| 7                           |       | [TCV_ChMod.mode = C_ChMod_r]                                                                                                                                                                                                                                                                                                                         |                                        |     |                                                          |
| 8                           |       | (TCV_Res := OO_TCHThroConnCHK())                                                                                                                                                                                                                                                                                                                     |                                        |     | Check that the audio path is connected for inband tones. |
| 9                           |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                     |                                        | (P) | Inband info audible                                      |
| 10                          |       | +CCstatuschk_05(C_U12, TCV_TI, TCV_chTch)                                                                                                                                                                                                                                                                                                            |                                        |     |                                                          |
| 11                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                          |                                        |     |                                                          |
| 12                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                    |                                        | (F) | No inband info audible                                   |
| 13                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                          |                                        |     |                                                          |
| 14                          |       | [TCV_ChMod.mode <> C_ChMod_r]                                                                                                                                                                                                                                                                                                                        |                                        |     |                                                          |
| 15                          |       | L?DL_DatInRel                                                                                                                                                                                                                                                                                                                                        | ReleaseRcv(Release_10(TCV_TI0))        | (P) |                                                          |
| 16                          |       | +CCstatuschk_05(C_U19, TCV_TI, TCV_chTch)                                                                                                                                                                                                                                                                                                            |                                        |     |                                                          |
| 17                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                          |                                        |     |                                                          |
| <b>Detailed Comments:</b>   |       | 1. To select a circuit switched basic service for testing.<br>2. To setup BCCH, CCCH and traffic channels.<br>3. With progress indicator #8.                                                                                                                                                                                                         |                                        |     |                                                          |



| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                     |                                        |     |          |
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| <b>Test Case Name:</b>      |       | TC_26_8_1_2_6_4                                                                                                                                                                                                     |                                        |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                 |                                        |     |          |
| <b>Purpose:</b>             |       | To verify that the a CC-entity of the MS in CC-state U10, "Call Active", upon receipt of a DISCONNECT message without progress indicator, returns a RELEASE message and enters the CC-state U19, "Release Request". |                                        |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                     |                                        |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                               | CRef                                   | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                  |                                        |     |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcD, TSPX_MOChRateD)                                                                                                                                                          |                                        |     | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                |                                        |     |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                    |                                        |     | 2.       |
| 5                           |       | +PreEnterCCstateU10_22(C_Immass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                 |                                        |     |          |
| 6                           | body  | L!DL_DatRqDisc                                                                                                                                                                                                      | DiscSnd(TCV_chTch, Disconn_07(TCV_TI)) |     | 3.       |
| 7                           |       | L?DL_DatInRel                                                                                                                                                                                                       | ReleaseRcv(Release_10(TCV_TI0))        | (P) |          |
| 8                           |       | +CCstatuschk_05(C_U19, TCV_TI, TCV_chTch)                                                                                                                                                                           |                                        |     |          |
| 9                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                         |                                        |     |          |
| <b>Detailed Comments:</b>   |       | 1. To select a circuit switched basic service for testing.<br>2. To setup BCCH, CCCH and traffic channels.<br>3. Without progress indicator #8.                                                                     |                                        |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                 |                                             |   |          |
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| <b>Test Case Name:</b>      |       | TC_26_8_1_2_6_5                                                                                                                                                                                                                                                                                                                 |                                             |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                             |                                             |   |          |
| <b>Purpose:</b>             |       | 1) To verify that a CC entity of the MS in CC-state U10, "Call active" upon receipt of a RELEASE COMPLETE message with valid cause value, enters CC state U0, "Null".<br>2) To verify that in returning to idle mode, the CC entities relating to the seven mobile originating transaction identifiers are in state U0, "Null". |                                             |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                 |                                             |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                           | CRef                                        | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                              |                                             |   |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcE, TSPX_MOChRateE)                                                                                                                                                                                                                                                                      |                                             |   | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                            |                                             |   |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                |                                             |   | 2.       |
| 5                           |       | +PreEnterCCstateU10_22(C_Immass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                             |                                             |   |          |
| 6                           | body  | L!DL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                | RelComSnd(TCV_chTch, ReleaseCmp_04(TCV_TI)) |   |          |
| 7                           |       | +CheckTIsInStateU0(TRUE, TCV_chTch)                                                                                                                                                                                                                                                                                             |                                             |   |          |
| 8                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                     |                                             |   |          |
| <b>Detailed Comments:</b>   |       | 1. To select a circuit switched basic service for testing.<br>2. To setup BCCH, CCCH and traffic channels.                                                                                                                                                                                                                      |                                             |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |     |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_6_6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |     |          |
| <b>Purpose:</b>             |       | 1) To verify that a Mobile Station that has a call established and receives a SETUP message answers either with a CALL CONFIRMED message with cause "user busy" if it supports call waiting, or with a RELEASE COMPLETE message with cause "user busy" otherwise.                                                                                                                                                                                                                                                                                                                                                                            |                                              |     |          |
|                             |       | 2) To verify that after having sent this message, the MS is still in state U10 for the established call.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CRef                                         | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |     |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcF, TSPX_MOChRateF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |     |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |     |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |     | 1.       |
| 5                           |       | +PreEnterCCstateU10_21(C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |     | 2.       |
| 6                           | body  | +BasicServiceMT(TSPX_MTBscSvcA, TSPX_MTChRateA, TSPX_MT_ImmConnA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |     | 3.       |
| 7                           |       | (TCV_Setup_mt.sig := Signal_02, TCV_Setup_mt.ti := TCV_TI0)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |     | 4.       |
| 8                           |       | LIDL_DatRqSetup                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | SetupSnd(TCV_chTch, TCV_Setup_mt)            |     | 5.       |
| 9                           |       | L?DL_DatInRelCmp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RelComRcv(ReleaseCmp_10(TCV_TI))             | (P) | 6.       |
| 10                          |       | +CCstatuschk_05(C_U10, TCV_TI, TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |     | 7.       |
| 11                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |     |          |
| 12                          |       | L?DL_DatInCallCo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CallCfm(CallConfirm_02(TCV_TI))              | (P) | 8.       |
| 13                          |       | L?DL_DatInAlert                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | AlertRcv(AlertingInd_02(TCV_TI))             |     |          |
| 14                          |       | L!DL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RelComSnd(TCV_chTch, ReleaseCmp_08(TCV_TI0)) |     |          |
| 15                          |       | +CCstatuschk_05(C_U10, TCV_TI, TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |     | 7.       |
| 16                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |     |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To setup a physical channel as BCCH, CCCH and SDCCH4.</li> <li>2. To bring the MS into the state U10 of a MO call.</li> <li>3. Select a MT service supported by the MS, The SETUP_PDU will be stored in TCV_Setup_mt.</li> <li>4. a) add signal IE with "call waiting tone on" - b) Set TI value same as MO call and TI flag for MT.</li> <li>5. To establish a second transaction for MT call with the same TI value as that in the MO call</li> <li>6. Call waiting not supported.</li> <li>7. To check whether the MS is still in the state U10.</li> <li>8. Call waiting supported.</li> </ol> |                                              |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                         |                                        |     |          |
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| <b>Test Case Name:</b>      |       | TC_26_8_1_2_7_1                                                                                                                                                                                                                                                         |                                        |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                     |                                        |     |          |
| <b>Purpose:</b>             |       | To verify that the a CC-entity of the MS in CC-state U11, "Disconnect Request", upon receipt of a DISCONNECT message, returns to its peer entity the RELEASE message and enters the CC-state U19, "Release Request".                                                    |                                        |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                         |                                        |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                   | CRef                                   | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                      |                                        |     |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcG, TSPX_MOChRateG)                                                                                                                                                                                                              |                                        |     |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                    |                                        |     |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                        |                                        |     | 1.       |
| 5                           |       | +PreEnterCCstateU11_23(C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                         |                                        |     | 2.       |
| 6                           | body  | L!DL_DatRqDisc                                                                                                                                                                                                                                                          | DiscSnd(TCV_chTch, Disconn_07(TCV_TI)) |     |          |
| 7                           |       | L?DL_DatInRel                                                                                                                                                                                                                                                           | ReleaseRcv(Release_10(TCV_TI0))        | (P) | 3.       |
| 8                           |       | +CCstatuschk_05(C_U19, TCV_TI, TCV_chTch)                                                                                                                                                                                                                               |                                        |     | 4.       |
| 9                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                             |                                        |     |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To setup a physical channel as BCCH, CCCH and SDCCH4.</li> <li>2. To bring the MS into the state U11.</li> <li>3. The expected RELEASE message received.</li> <li>4. To check whether the MS enters the state U19.</li> </ol> |                                        |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |     |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_7_2                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |     |          |
| <b>Purpose:</b>             |       | <ol style="list-style-type: none"> <li>1) To verify that the a CC-entity of the MS in CC-state U11, "Disconnect Request", upon receipt of the RELEASE message shall return RELEASE COMPLETE and enter the CC-state U0, "Null".</li> <li>2) To verify that the MS on returning to the idle mode releases the MM-connection and that the CC-entities relating to the seven mobile originating transaction identifiers are in CC-state U0, "Null".</li> </ol> |                                           |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                      | CRef                                      | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                           |     |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcH, TSPX_MOChRateH)                                                                                                                                                                                                                                                                                                                                                                                                 |                                           |     |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |     |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                           |                                           |     | 1.       |
| 5                           |       | +PreEnterCCstateU11_23(C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                            |                                           |     | 2.       |
| 6                           | body  | L!DL_DatRqRel                                                                                                                                                                                                                                                                                                                                                                                                                                              | ReleaseSnd(TCV_chTch, Release_03(TCV_TI)) |     |          |
| 7                           |       | L?DL_DatInRelCmp                                                                                                                                                                                                                                                                                                                                                                                                                                           | RelComRcv(ReleaseCmp_03(TCV_TI0))         | (P) | 3.       |
| 8                           |       | +CheckTIsInStateU0(TRUE, TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |     | 4.       |
| 9                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                |                                           |     |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To setup a physical channel as BCCH, CCCH and SDCCH4.</li> <li>2. To bring the MS into the state U11.</li> <li>3. The expected RELEASE COMPLETE message received.</li> <li>4. To check that the CC entities with relevant transaction identifiers are in the state U0.</li> </ol>                                                                                                                                |                                           |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                           |     |          |
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| <b>Test Case Name:</b>      |       | TC_26_8_1_2_7_3                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                           |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |     |          |
| <b>Purpose:</b>             |       | To verify that the a CC-entity of the MS in CC-state U11, "Disconnect Request" shall on expiry of T305, proceeds ahead with the connection release procedure by sending the RELEASE message to its peer entity and enters the CC-state U19, "Release Request".                                                                                                                                                                                                                           |                                           |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                           |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CRef                                      | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |     |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcl, TSPX_MOChRatel)                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           |     |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |     |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                         |                                           |     | 1.       |
| 5                           |       | +PreEnterCCstateU11_23Timer(C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                    |                                           |     | 2.       |
| 6                           | body  | (TCV_Cau0.iei := '00001000'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |     | 3.       |
| 7                           |       | L?DL_DatInRel (TCV_Fn1 := DL_DatInRel.fn) READTIMER T_dly(TCV_Time), CANCEL T_dly                                                                                                                                                                                                                                                                                                                                                                                                        | ReleaseRcv(Release_05(TCV_TI0, TCV_Cau0)) | (P) |          |
| 8                           |       | [(TCV_Time < 27000) OR (TCV_Time >= 33000)]                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           | (F) | 4.       |
| 9                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           |     |          |
| 10                          |       | [(TCV_Time >= 27000) AND(TCV_Time < 33000)]                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           | (P) | 5.       |
| 11                          |       | +CCstatuschk_05(C_U19, TCV_TI, TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                           |     | 6.       |
| 12                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           |     |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To setup a physical channel as BCCH, CCCH and SDCCH4.</li> <li>2. To bring the MS into the state U11.</li> <li>3. Cause IE is mandatory in DISCONNECT, but optional in RELEASE&gt;</li> <li>4. Fail, if the timeout value of the T305 timer is either greater than or equal to 33 seconds, or less than 27 seconds.</li> <li>5. Pass, if the timeout value of T305 is OK.</li> <li>6. To check whether the MS enters the state U19.</li> </ol> |                                           |     |          |

| Test Case Dynamic Behaviour                                                                                                                                                                                                                                                   |       |                                                                                                    |      |   |          |
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| <b>Test Case Name:</b> TC_26_8_1_2_7_4                                                                                                                                                                                                                                        |       |                                                                                                    |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                             |       |                                                                                                    |      |   |          |
| <b>Purpose:</b> To verify that the a CC-entity of the MS in CC-state U11, "Disconnect Request" having detected a lower layer failure returns to the idle mode. The CC entities relating to the seven mobile originating transaction identifiers are thus in state U0, "Null". |       |                                                                                                    |      |   |          |
| <b>Default:</b> OtherEventsFail                                                                                                                                                                                                                                               |       |                                                                                                    |      |   |          |
| Nr                                                                                                                                                                                                                                                                            | Label | Behaviour Description                                                                              | CRef | V | Comments |
| 1                                                                                                                                                                                                                                                                             |       | START T_guard(300)                                                                                 |      |   |          |
| 2                                                                                                                                                                                                                                                                             |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcJ, TSPX_MOChRateJ)                                         |      |   | 1.       |
| 3                                                                                                                                                                                                                                                                             |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                               |      |   |          |
| 4                                                                                                                                                                                                                                                                             |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)   |      |   | 2.       |
| 5                                                                                                                                                                                                                                                                             |       | +PreEnterCCstateU11_24(C_Immass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B) |      |   |          |
| 6                                                                                                                                                                                                                                                                             | body  | +LowerLayerFailure(TCV_ch)                                                                         |      |   |          |
| 7                                                                                                                                                                                                                                                                             |       | START T_dly(20000)                                                                                 |      |   |          |
| 8                                                                                                                                                                                                                                                                             |       | ?TIMEOUT T_dly                                                                                     |      |   |          |
| 9                                                                                                                                                                                                                                                                             |       | +CCEstablishMT_SDCCH4(TimingAdv_01)                                                                |      |   |          |
| 10                                                                                                                                                                                                                                                                            |       | +CheckTIsInStateU0(TRUE, TCV_ch)                                                                   |      |   |          |
| 11                                                                                                                                                                                                                                                                            |       | +PostMainLinkRel(TCV_ch)                                                                           |      |   |          |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                     |       |                                                                                                    |      |   |          |
| 1. To select a circuit switched basic service for testing.                                                                                                                                                                                                                    |       |                                                                                                    |      |   |          |
| 2. To setup BCCH, CCCH and traffic channels.                                                                                                                                                                                                                                  |       |                                                                                                    |      |   |          |

| Test Case Dynamic Behaviour                                                                                                                                                       |       |                                                                                                    |                                          |     |          |
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| <b>Test Case Name:</b> TC_26_8_1_2_7_5                                                                                                                                            |       |                                                                                                    |                                          |     |          |
| <b>Group:</b> GSM_L3_MS_v4160/CC/                                                                                                                                                 |       |                                                                                                    |                                          |     |          |
| <b>Purpose:</b> To verify that the a CC-entity of the MS in CC-state U11, "Call Delivered" having received an unknown message from its peer entity shall return a STATUS message. |       |                                                                                                    |                                          |     |          |
| <b>Default:</b> OtherEventsFail                                                                                                                                                   |       |                                                                                                    |                                          |     |          |
| Nr                                                                                                                                                                                | Label | Behaviour Description                                                                              | CRef                                     | V   | Comments |
| 1                                                                                                                                                                                 |       | START T_guard(300)                                                                                 |                                          |     |          |
| 2                                                                                                                                                                                 |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcA, TSPX_MOChRateA)                                         |                                          |     | 1.       |
| 3                                                                                                                                                                                 |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                               |                                          |     |          |
| 4                                                                                                                                                                                 |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)   |                                          |     | 2.       |
| 5                                                                                                                                                                                 |       | +PreEnterCCstateU11_24(C_Immass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B) |                                          |     |          |
| 6                                                                                                                                                                                 | body  | L!DL_DatRqUndefCC                                                                                  | Undef(TCV_chTch, UndefCC_02(TCV_TI))     |     | 3.       |
| 7                                                                                                                                                                                 |       | L?DL_DatInCst                                                                                      | CCStatusRcv(CCStatus_08(TCV_TI0, C_U11)) | (P) |          |
| 8                                                                                                                                                                                 |       | +CCstatuschk_05(C_U11, TCV_TI, TCV_chTch)                                                          |                                          |     |          |
| 9                                                                                                                                                                                 |       | +PostMainLinkRel(TCV_chTch)                                                                        |                                          |     |          |
| <b>Detailed Comments:</b>                                                                                                                                                         |       |                                                                                                    |                                          |     |          |
| 1. To select a circuit switched basic service for testing.                                                                                                                        |       |                                                                                                    |                                          |     |          |
| 2. To setup BCCH, CCCH and traffic channels.                                                                                                                                      |       |                                                                                                    |                                          |     |          |
| 3. To send a CC message which message type is undefined for the CC.                                                                                                               |       |                                                                                                    |                                          |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |    |                                              |
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| <b>Test Case Name:</b>      |       | TC_26_8_1_2_8_1                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |    |                                              |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |    |                                              |
| <b>Purpose:</b>             |       | To verify that a CC-entity of the MS in CC-state U12, "Disconnect Indication" being in network initiated call release phase, shall, upon receiving a call release request from the user sends a RELEASE to its peer entity and enters CC-state U19, "Release Request"                                                                                                                                                 |                                 |    |                                              |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |    |                                              |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                 | CRef                            | V  | Comments                                     |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |    | TC only applicable for MS supporting speech. |
| 2                           |       | (TCV_Service := C_Telephony, TCV_ChRate := C_Full)                                                                                                                                                                                                                                                                                                                                                                    |                                 |    |                                              |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                  |                                 |    |                                              |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                      |                                 | 1. |                                              |
| 5                           |       | +PreEnterCCstateU12_21(C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                       |                                 | 2. |                                              |
| 6                           | body  | +TermCall                                                                                                                                                                                                                                                                                                                                                                                                             |                                 | 3. |                                              |
| 7                           |       | L?DL_DatInRel                                                                                                                                                                                                                                                                                                                                                                                                         | ReleaseRcv(Release_10(TCV_TI0)) | 4. |                                              |
| 8                           |       | +CCstatuschk_05(C_U19, TCV_TI, TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                             |                                 | 5. |                                              |
| 9                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                           |                                 |    |                                              |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To setup a physical channel as BCCH, CCCH and SDCHH4, and wait for the MS in service.</li> <li>2. To bring the MS into the state U12. Within the step a physical channel as appropriate traffic channel is setup.</li> <li>3. MMI action, "on hook".</li> <li>4. The expected RELEASE message received.</li> <li>5. To check whether the MS is in the state U19.</li> </ol> |                                 |    |                                              |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                           |                                            |     |                                              |    |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----|----------------------------------------------|----|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_8_2                                                                                                                                                                                                                                                                                                                                                                                                           |                                            |     |                                              |    |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                                                                       |                                            |     |                                              |    |
| <b>Purpose:</b>             |       | 1) To verify that a CC-entity of the MS in CC-state U12, "Disconnect Indication", upon receipt of a RELEASE message returns to its peer entity the RELEASE COMPLETE message and enters the CC-state U0, "Null"<br>2) To verify that the MS on returning to the idle mode releases the MM-connection and that the CC-entities relating to the seven mobile originating transaction identifiers are in CC-state U0, "Null". |                                            |     |                                              |    |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                           |                                            |     |                                              |    |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                     | CRef                                       | V   | Comments                                     |    |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                        |                                            |     | TC only applicable for MS supporting speech. |    |
| 2                           |       | (TCV_Service := C_Telephony, TCV_ChRate :=C_Full)                                                                                                                                                                                                                                                                                                                                                                         |                                            |     |                                              |    |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                      |                                            |     |                                              |    |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                          |                                            |     |                                              | 1. |
| 5                           |       | +PreEnterCCstateU12_21(C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                          |                                            |     |                                              | 2. |
| 6                           | body  | L!DL_DatRqRel                                                                                                                                                                                                                                                                                                                                                                                                             | ReleaseSnd(TCV_ch Tch, Release_03(TCV_TI)) |     |                                              |    |
| 7                           |       | L?DL_DatInRelCmp                                                                                                                                                                                                                                                                                                                                                                                                          | RelComRcv(Release Cmp_03(TCV_TI0))         | (P) |                                              | 3. |
| 8                           |       | +CheckTlInStateU0(TRUE, TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                        |                                            |     |                                              | 4. |
| 9                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                               |                                            |     |                                              |    |
| <b>Detailed Comments:</b>   |       | 1. To setup a physical channel as BCCH, CCCH and SDCHH4, and wait for the MS in service.<br>2. To bring the MS into the state U12. Within the step a physical channel as appropriate traffic channel is setup.<br>3. The expected RELEASE COMPLETE message received.<br>4. To check whether the CC entities related to the seven mobile originating transaction is in the state U0.                                       |                                            |     |                                              |    |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                          |      |   |                                              |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------------------------------------------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_8_3                                                                                                                                                                                                                                          |      |   |                                              |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                      |      |   |                                              |
| <b>Purpose:</b>             |       | To verify that a CC-entity of the MS in CC-state U12, "Disconnect Indication" having detected a lower layer failure returns to idle mode. The CC-entities relating to the seven mobile originating transaction identifiers are thus in state U0, "Null". |      |   |                                              |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                          |      |   |                                              |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                    | CRef | V | Comments                                     |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                       |      |   | TC only applicable for MS supporting speech. |
| 2                           |       | (TCV_Service := C_Telephony, TCV_ChRate :=C_Full)                                                                                                                                                                                                        |      |   |                                              |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                     |      |   |                                              |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                         |      |   |                                              |
| 5                           |       | +PreEnterCCstateU12_22(C_Immass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                      |      |   |                                              |
| 6                           | body  | +LowerLayerFailure(TCV_ch)                                                                                                                                                                                                                               |      |   |                                              |
| 7                           |       | START T_dly(20000)                                                                                                                                                                                                                                       |      |   |                                              |
| 8                           |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                           |      |   |                                              |
| 9                           |       | +CCEstablishMT_SDCCH4(TimingAdv_01)                                                                                                                                                                                                                      |      |   |                                              |
| 10                          |       | +CheckTlInStateU0(TRUE, TCV_ch)                                                                                                                                                                                                                          |      |   |                                              |
| 11                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                 |      |   |                                              |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                                          |      |   |                                              |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                        |                                          |   |                                              |    |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---|----------------------------------------------|----|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_8_4                                                                                                                                                                                                                                                                                                                                                                                        |                                          |   |                                              |    |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                                                    |                                          |   |                                              |    |
| <b>Purpose:</b>             |       | To verify that a CC-entity of the MS in CC-state U12, "Disconnect Indication" having received an unknown message from its peer entity returns a STATUS message.                                                                                                                                                                                                                                        |                                          |   |                                              |    |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                        |                                          |   |                                              |    |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                  | CRef                                     | V | Comments                                     |    |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                     |                                          |   | TC only applicable for MS supporting speech. |    |
| 2                           |       | (TCV_Service := C_Telephony, TCV_ChRate :=C_Full)                                                                                                                                                                                                                                                                                                                                                      |                                          |   |                                              |    |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                   |                                          |   |                                              |    |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                       |                                          |   |                                              | 1. |
| 5                           |       | +PreEnterCCstateU12_23(C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                       |                                          |   |                                              | 2. |
| 6                           | body  | L!DL_DatRqUndefCC                                                                                                                                                                                                                                                                                                                                                                                      | Undef(TCV_chTch, UndefCC_02(TCV_TI))     |   |                                              | 3. |
| 7                           |       | L?DL_DatInCcst                                                                                                                                                                                                                                                                                                                                                                                         | CCStatusRcv(CCStatus_08(TCV_TI0, C_U12)) |   |                                              | 4. |
| 8                           |       | +CCstatuschk_05(C_U12, TCV_TI, TCV_chTch)                                                                                                                                                                                                                                                                                                                                                              |                                          |   |                                              | 5. |
| 9                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                            |                                          |   |                                              |    |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To setup a physical channel as BCCH, CCCH and SDCCH4, waiting for the MS in service.</li> <li>2. To bring the MS into the state U12.</li> <li>3. To send a CC message which message type is undefined for the CC.</li> <li>4. The expected STATUS message with cause #97 received.</li> <li>5. To check whether the MS is still in the state U12.</li> </ol> |                                          |   |                                              |    |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                             |                                 |     |                 |    |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----|-----------------|----|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_9_1                                                                                                                                                                                             |                                 |     |                 |    |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                         |                                 |     |                 |    |
| <b>Purpose:</b>             |       | To verify that a CC-entity of the MS in CC-state U19, "Release Request" will, upon the first expiry of timer T308 send the RELEASE message to its peer entity and remain in the CC-state U19.               |                                 |     |                 |    |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                             |                                 |     |                 |    |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                       | CRef                            | V   | Comments        |    |
| 1                           |       | START T_guard(300)                                                                                                                                                                                          |                                 |     | Any cause value |    |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcB, TSPX_MOChRateB)                                                                                                                                                  |                                 |     |                 |    |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                        |                                 |     |                 |    |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                            |                                 |     |                 |    |
| 5                           |       | +PreEnterCCstateU19_24Timer(C_Immass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                    |                                 |     |                 |    |
| 6                           | body  | L?DL_DatInRel (TCV_Fn1 := DL_DatInRel.fn) READTIMER T_dly(TCV_Time), CANCEL T_dly                                                                                                                           | ReleaseRcv(Release_10(TCV_TI0)) |     |                 |    |
| 7                           |       | [(TCV_Time < 27000) OR (TCV_Time >= 33000)]                                                                                                                                                                 |                                 | (F) |                 | 1. |
| 8                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                 |                                 |     |                 |    |
| 9                           |       | [(TCV_Time >= 27000) AND(TCV_Time < 33000)]                                                                                                                                                                 |                                 | (P) |                 | 2. |
| 10                          |       | +CCstatuschk_05(C_U19, TCV_TI, TCV_chTch)                                                                                                                                                                   |                                 |     |                 |    |
| 11                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                 |                                 |     |                 |    |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. Fail, if the T308 timer value is either greater than or equal to 33 seconds, or less than 27 seconds.</li> <li>2. Pass, if the T308 timer value is OK.</li> </ol> |                                 |     |                 |    |



| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                           |                                |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_9_2                                                                                                                                                                                                                                                                                                                                                           |                                |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                       |                                |   |          |
| <b>Purpose:</b>             |       | 1) To verify that a CC-entity of the MS in CC-state U19, "Release Request", upon the 2nd expiry of the timer T308, enters the CC-state U0, "Null".<br>2) To verify that subsequently the MS proceeds with releasing the MM-connection and enters the idle mode with the CC entities relating to the seven mobile originating transaction identifiers in state U0, "Null". |                                |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                           |                                |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                     | CRef                           | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                        |                                |   |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcC, TSPX_MOChRateC)                                                                                                                                                                                                                                                                                                                |                                |   | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                      |                                |   |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                          |                                |   | 2.       |
| 5                           |       | +PreEnterCCstateU19_24(C_Immass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                        |                                |   |          |
| 6                           | body  | L?DL_DatInRel                                                                                                                                                                                                                                                                                                                                                             | ReleaseRcv(Release_10(TCV_TI)) |   | 3.       |
| 7                           |       | +CCstatuschk_05(C_U19, TCV_TI, TCV_chTch)                                                                                                                                                                                                                                                                                                                                 |                                |   |          |
| 8                           |       | START T_dly(50000)                                                                                                                                                                                                                                                                                                                                                        |                                |   |          |
| 9                           |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                            |                                |   | 4.       |
| 10                          |       | +CCEstablishMT_SDCCH4(Timing Adv_01)                                                                                                                                                                                                                                                                                                                                      |                                |   |          |
| 11                          |       | +CheckTIsInStateU0(TRUE, TCV_ch)                                                                                                                                                                                                                                                                                                                                          |                                |   |          |
| 12                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                  |                                |   |          |
| <b>Detailed Comments:</b>   |       | 1. To select a circuit switched basic service for testing.<br>2. To setup BCCH, CCCH and traffic channels.<br>3. First timeout of T308, release with any cause value accepted.<br>4. Second timeout of T308 (30 seconds), timeout of T3240 (10 seconds) and 10 seconds for the MS to return to listening to paging.                                                       |                                |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                   |                                            |   |          |
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| <b>Test Case Name:</b>      |       | TC_26_8_1_2_9_3                                                                                                                                                                                                                                                                   |                                            |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                               |                                            |   |          |
| <b>Purpose:</b>             |       | To verify that a CC-entity of the MS in CC-state U19, "Release Request", upon receipt of a RELEASE, shall release the MM-connection and enters the CC-state U0, "Null" with the CC entities relating to the seven mobile originating transaction identifiers in state U0, "Null". |                                            |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                   |                                            |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                             | CRef                                       | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                |                                            |   |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcD, TSPX_MOChRateD)                                                                                                                                                                                                                        |                                            |   |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                              |                                            |   |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                  |                                            |   |          |
| 5                           |       | +PreEnterCCstateU19_24(C_Immass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                |                                            |   |          |
| 6                           | body  | L!DL_DatRqRel                                                                                                                                                                                                                                                                     | ReleaseSnd(TCV_ch Tch, Release_06(TCV_TI)) |   |          |
| 7                           |       | +CheckTIsInStateU0(TRUE, TCV_chTch)                                                                                                                                                                                                                                               |                                            |   |          |
| 8                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                       |                                            |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                                                                   |                                            |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                   |                                              |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_9_4                                                                                                                                                                                                                                                                                                                                                                   |                                              |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                               |                                              |   |          |
| <b>Purpose:</b>             |       | To verify that a CC-entity of the MS in CC-state U19, "Release Request", upon receipt of a RELEASE COMPLETE, shall release the MM-connection and enters the CC-state U0, "Null" with the CC entities relating to the seven mobile originating transaction identifiers in state U0, "Null".                                                                                        |                                              |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                   |                                              |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                             | CRef                                         | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                |                                              |   |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcE, TSPX_MOChRateE)                                                                                                                                                                                                                                                                                                                        |                                              |   |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                              |                                              |   |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                  |                                              |   | 1.       |
| 5                           |       | +PreEnterCCstateU19_21(C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                  |                                              |   | 2.       |
| 6                           | body  | L!DL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                                                                  | RelComSnd(TCV_ch Tch, ReleaseCmp_08(TCV_TI)) |   | 3.       |
| 7                           |       | +CheckTIsInStateU0(TRUE, TCV_chTch)                                                                                                                                                                                                                                                                                                                                               |                                              |   | 4.       |
| 8                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                       |                                              |   |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To setup a physical channel as BCCH, CCCH and SDCCH4, waiting the MS in service.</li> <li>2. To bring the MS into the state U19.</li> <li>3. To send a RELEASE COMPLETE message to the MS.</li> <li>4. To check whether the CC entities related to the seven mobile originating transaction identifiers are in the state U0.</li> </ol> |                                              |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_2_9_5                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |   |          |
| <b>Purpose:</b>             |       | To verify that a CC-entity of the MS in CC-state U19, "Release Request", having detected a lower layer failure, returns to the idle mode, the CC entities relating to the seven mobile originating transaction identifiers are in state U0, "Null".                                                                                                                                                                                                    |      |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                  | CRef | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |   |          |
| 2                           |       | +BasicServiceMOorTelephony(TSPX_MOBscSvcF, TSPX_MOChRateF)                                                                                                                                                                                                                                                                                                                                                                                             |      |   |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                   |      |   |          |
| 4                           |       | +PreCCSetupMO(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                       |      |   | 1.       |
| 5                           |       | +PreEnterCCstateU19_21(C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                       |      |   | 2.       |
| 6                           | body  | +LowerLayerFailure(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                             |      |   | 3.       |
| 7                           |       | START T_dly(20000)                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |   |          |
| 8                           |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |   | 4.       |
| 9                           |       | +CCEstablishMT_SDCCH4(TimingAdv_01)                                                                                                                                                                                                                                                                                                                                                                                                                    |      |   |          |
| 10                          |       | +CheckTIsInStateU0(TRUE, TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                       |      |   | 5.       |
| 11                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                               |      |   |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To setup a physical channel as BCCH, CCCH and SDCCH4, waiting the MS in service.</li> <li>2. To bring the MS into the state U19.</li> <li>3. To generate lower layer failure in the lower emulator.</li> <li>4. To wait for the MS back to listening to paging.</li> <li>5. To check whether the CC entities related to the seven mobile originating transaction identifiers are in the state U0.</li> </ol> |      |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                               |                            |     |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_3_1_1                                                                                                                                                                                                                                                                                                                                                                                                               |                            |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                                                                           |                            |     |          |
| <b>Purpose:</b>             |       | To verify that a CC entity of the MS, upon receipt of SETUP containing one bearer capability and this bearer capability is not supported, returns a RELEASE COMPLETE with correct cause value to its peer entity and return to the idle mode. To verify that the CC-entities relating to the seven mobile terminating transaction identifiers are then in the state U0, "NULL".                                               |                            |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                               |                            |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                         | CRef                       | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                            |                            |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                          |                            |     |          |
| 3                           |       | +PreCCSetup(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                |                            |     | 1.       |
| 4                           | body  | +CCEstablishMT_SDCCH4(TimingAdv_01)                                                                                                                                                                                                                                                                                                                                                                                           |                            |     | 2.       |
| 5                           |       | +CCAuthenticate(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                       |                            |     |          |
| 6                           |       | +CCStartCipher(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                        |                            |     |          |
| 7                           |       | L!DL_DatRqSetup                                                                                                                                                                                                                                                                                                                                                                                                               | SetupSnd(TCV_ch, Setup_06) |     | 3.       |
| 8                           |       | L?DL_DatInRelCmp                                                                                                                                                                                                                                                                                                                                                                                                              | RelComRcv(Release Cmp_05)  | (P) | 4.       |
| 9                           |       | +CheckTIsInStateU0(FALSE, TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                             |                            |     | 5.       |
| 10                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                      |                            |     |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To setup a physical channel as BCCH, CCCH and SDCCH4.</li> <li>2. To assign SDCCH4 channel.</li> <li>3. To send a SETUP message containing a bearer capability not supported by the MS.</li> <li>4. The expected RELEASE COMPLETE message with cause #88 received.</li> <li>5. To check that the CC entity is in state U0 with all the relevant transaction identifiers.</li> </ol> |                            |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                         |                           |     |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_3_2_1                                                                                                                                                                                                                                                                                                                                                                         |                           |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                                     |                           |     |          |
| <b>Purpose:</b>             |       | To verify that a CC entity of the MS in CC-state U6, "Call Present", shall upon receipt of a rejection indication of the incoming call from the user, shall send RELEASE COMPLETE with the appropriate cause value to its peer entity and enter the CC-state U0, "Null". The CC entities relating to the seven mobile terminating transaction identifiers are then in state U0, "Null". |                           |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                         |                           |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                   | CRef                      | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                      |                           |     |          |
| 2                           |       | +BasicServiceMTorTelephony(TSPX_MTBscSvcA, TSPX_MTChRateA, TSPX_MT_ImmConnA)                                                                                                                                                                                                                                                                                                            |                           |     | 1.       |
| 3                           |       | (TCV_Null := OO_SetRefuseCall())                                                                                                                                                                                                                                                                                                                                                        |                           |     |          |
| 4                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                    |                           |     |          |
| 5                           |       | +PreCCSetup(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                          |                           |     | 2.       |
| 6                           |       | +PreEnterCCstateU6_32(TimingAdv_01)                                                                                                                                                                                                                                                                                                                                                     |                           |     |          |
| 7                           | body  | L?DL_DatInRelCmp                                                                                                                                                                                                                                                                                                                                                                        | RelComRcv(Release Cmp_06) | (P) | 3.       |
| 8                           |       | +CheckTIsInStateU0(FALSE, TCV_ch)                                                                                                                                                                                                                                                                                                                                                       |                           |     |          |
| 9                           |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                |                           |     |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To select a basic service. if the MS supports telephony the selected basic service is telephony, otherwise the selected basic service is indicated by TSPX_MTBscSvcA.</li> <li>2. One physical channel as BCCH, CCCH and SDCCH4.</li> <li>3. The expected RELEASE COMPLETE message with cause #21 received.</li> </ol>                        |                           |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                     |                                 |     |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_3_3_1                                                                                                                                                                                                                                                                                                                                     |                                 |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                 |                                 |     |          |
| <b>Purpose:</b>             |       | To verify that a CC entity in CC-state U9, "MS Terminating Call Confirmed", (if signalled by the network in previous SETUP message that it may alert) will either send a ALERTING message to its peer entity and enter state U7, or send a CONNECT message to its peer entity and enter U8                                                          |                                 |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                     |                                 |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                               | CRef                            | V   | Comments |
| 1                           | body  | START T_guard(300)                                                                                                                                                                                                                                                                                                                                  |                                 |     |          |
| 2                           |       | +BasicServiceMTorTelephony(TSPX_MTBscSvcB, TSPX_MTChRateB, TSPX_MT_ImmConnB)                                                                                                                                                                                                                                                                        |                                 |     | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                |                                 |     |          |
| 4                           |       | +PreCCSetup(C_ImmConn, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                     |                                 |     | 2.       |
| 5                           |       | +PreEnterCCstateU9_32(TimingAdv_01)                                                                                                                                                                                                                                                                                                                 |                                 |     |          |
| 6                           |       | [TCV_ImmConn = TRUE]                                                                                                                                                                                                                                                                                                                                |                                 |     |          |
| 7                           |       | L?DL_DatInConn                                                                                                                                                                                                                                                                                                                                      | ConnRcv(Connect_01)             | (P) | 3.       |
| 8                           |       | +CCstatuschk_05(C_U8, TI_02, TCV_ch)                                                                                                                                                                                                                                                                                                                |                                 |     |          |
| 9                           |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                            |                                 |     |          |
| 10                          |       | [TCV_ImmConn = FALSE]                                                                                                                                                                                                                                                                                                                               |                                 |     |          |
| 11                          |       | L?DL_DatInAlert                                                                                                                                                                                                                                                                                                                                     | AlertRcv(AlertingInd_02(TI_01)) | (P) | 4.       |
| 12                          |       | +CCstatuschk_05(C_U7, TI_02, TCV_ch)                                                                                                                                                                                                                                                                                                                |                                 |     |          |
| 13                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                            |                                 |     |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To select a basic service.</li> <li>2. One physical channel as BCCH, CCCH and SDCCH4.</li> <li>3. The expected CONNECT message received in case of the MS supporting immediate connect.</li> <li>4. The expected ALERTING message received in case of the MS not supporting immediate connect.</li> </ol> |                                 |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |     |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_3_3_2                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |     |          |
| <b>Purpose:</b>             |       | To verify that A CC-entity of the MS in CC-state U9, "MS Terminating Call Confirmed", when allocated a traffic channel by the network performing the assignment procedure, performs a layer 2 establishment on the FACCH, sends a ALERTING message and enters state U7.                                                                                                                                               |                                 |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                 | CRef                            | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |     |          |
| 2                           |       | +BasicServiceMTNICorTelephony(TSPX_MTNIC_BscSvcA,TSPX_MTNIC_ChRateA)                                                                                                                                                                                                                                                                                                                                                  |                                 |     | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                  |                                 |     |          |
| 4                           |       | +PreCCSetup(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                        |                                 |     |          |
| 5                           |       | +PreEnterCCstateU9_34(TimingAdv_01)                                                                                                                                                                                                                                                                                                                                                                                   |                                 |     | 2.       |
| 6                           | body  | +CCAssignTCH(C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                |                                 |     | 3.       |
| 7                           |       | L?DL_DatInAlert                                                                                                                                                                                                                                                                                                                                                                                                       | AlertRcv(AlertingInd_02(TI_01)) | (P) | 4.       |
| 8                           |       | +CCstatuschk_05(C_U7, TI_02, TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                               |                                 |     |          |
| 9                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                           |                                 |     |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>To select a basic service. if the MS supports telephony the selected basic service is telephony, and the channel rate is specified by TSPX_MTChRateA, otherwise the selected basic service is indicated by TSPX_BCf.</li> <li>Use SETUP message without signal IE.</li> <li>Assign an appropriate traffic channel.</li> <li>The expected ALERTING message received.</li> </ol> |                                 |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                      |                                    |     |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_3_3_3                                                                                                                                                                                                                                                                                                      |                                    |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                  |                                    |     |          |
| <b>Purpose:</b>             |       | To verify that a CC-entity of the MS in CC-state U9, "MS Terminating Call Confirmed", upon request by the user to terminate will send a DISCONNECT message and enter the CC-state U11, "Disconnect Request".                                                                                                         |                                    |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                      |                                    |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                | CRef                               | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                   |                                    |     |          |
| 2                           |       | +BasicServiceMTNICorTelephony(TSPX_MTNIC_BscSvcB,TSPX_MTNIC_ChRateB)                                                                                                                                                                                                                                                 |                                    |     | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                 |                                    |     |          |
| 4                           |       | +PreCCSetup(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                       |                                    |     | 2.       |
| 5                           |       | +PreEnterCCstateU9_34(TimingAdv_01)                                                                                                                                                                                                                                                                                  |                                    |     | 3.       |
| 6                           | body  | +TermCall                                                                                                                                                                                                                                                                                                            |                                    |     | 4.       |
| 7                           |       | L?DL_DatInDisc                                                                                                                                                                                                                                                                                                       | DiscRcv(TCV_ch, Disconn_05(TI_01)) | (P) | 5.       |
| 8                           |       | +CCstatuschk_05(C_U11, TI_02, TCV_ch)                                                                                                                                                                                                                                                                                |                                    |     |          |
| 9                           |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                             |                                    |     |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>To select a basic service. if the MS supports telephony the selected basic service is telephony.</li> <li>One physical channel as BCCH, CCCH and SDCCH4.</li> <li>Bring MS to state U9.</li> <li>To terminate the call.</li> <li>The expected DISCONNECT received.</li> </ol> |                                    |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                               |                                       |     |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_3_3_4                                                                                                                                                                                                                                                                                                                               |                                       |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                           |                                       |     |          |
| <b>Purpose:</b>             |       | To verify that a CC-entity of the MS in CC-state U9, "MS Terminating Call Confirmed", upon receipt of a DISCONNECT returns a RELEASE message and enters the CC-state U19, "Release Request".                                                                                                                                                  |                                       |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                               |                                       |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                         | CRef                                  | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                            |                                       |     |          |
| 2                           |       | +BasicServiceMTNICorTelephony(TSPX_MTNIC_B<br>scSvcC,TSPX_MTNIC_ChRateC)                                                                                                                                                                                                                                                                      |                                       |     | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                          |                                       |     |          |
| 4                           |       | +PreCCSetup(C_Immass, TCV_slot, TCV_tsc,<br>5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B,<br>'00'O)                                                                                                                                                                                                                                          |                                       |     | 2.       |
| 5                           |       | +PreEnterCCstateU9_34(TimingAdv_01)                                                                                                                                                                                                                                                                                                           |                                       |     | 3.       |
| 6                           | body  | L!DL_DatRqDisc                                                                                                                                                                                                                                                                                                                                | DiscSnd(TCV_ch,<br>Disconn_07(TI_02)) |     | 4.       |
| 7                           |       | L?DL_DatInRel                                                                                                                                                                                                                                                                                                                                 | ReleaseRcv(Release<br>_10(TI_01))     | (P) | 5.       |
| 8                           |       | +CCstatuschk_05(C_U19, TI_02,<br>TCV_ch)                                                                                                                                                                                                                                                                                                      |                                       |     |          |
| 9                           |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                      |                                       |     |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To select a basic service. if the MS supports telephony the selected basic service is telephony.</li> <li>2. One physical channel as BCCH, CCCH and SDCCH4.</li> <li>3. Bring MS to state U9.</li> <li>4. To send DISCONNECT message.</li> <li>5. The expected RELEASE message received.</li> </ol> |                                       |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                          |     |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_3_3_5                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                          |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                          |     |          |
| <b>Purpose:</b>             |       | <ol style="list-style-type: none"> <li>1) To verify that a CC-entity of the MS in CC-state U9, "MS Terminating Call Confirmed", upon receipt of a RELEASE will return a RELEASE COMPLETE and enter the CC-state U0, "Null".</li> <li>2) To verify that the MS on returning to the idle mode releases the MM-connection and that the CC-entities relating to the seven mobile terminating transaction identifiers are in CC-state U0, "Null".</li> </ol> |                                          |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                          |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                   | CRef                                     | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                          |     |          |
| 2                           |       | +BasicServiceMTNICorTelephony(TSPX_MTNIC_B<br>scSvcD,TSPX_MTNIC_ChRateD)                                                                                                                                                                                                                                                                                                                                                                                |                                          |     | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          |     |          |
| 4                           |       | +PreCCSetup(C_Immass, TCV_slot, TCV_tsc,<br>5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B,<br>'00'O)                                                                                                                                                                                                                                                                                                                                                    |                                          |     | 2.       |
| 5                           |       | +PreEnterCCstateU9_34(TimingAdv_01)                                                                                                                                                                                                                                                                                                                                                                                                                     |                                          |     | 3.       |
| 6                           | body  | L!DL_DatRqRel                                                                                                                                                                                                                                                                                                                                                                                                                                           | ReleaseSnd(TCV_ch,<br>Release_03(TI_02)) |     | 4.       |
| 7                           |       | L?DL_DatInRelCmp                                                                                                                                                                                                                                                                                                                                                                                                                                        | RelComRcv(Release<br>Cmp_03(TI_01))      | (P) | 5.       |
| 8                           |       | +CheckTlInStateU0(FALSE, TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                        |                                          |     |          |
| 9                           |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          |     |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To select a basic service. if the MS supports telephony the selected basic service is telephony.</li> <li>2. One physical channel as BCCH, CCCH and SDCCH4.</li> <li>3. Bring MS to state U9.</li> <li>4. To send RELEASE message with cause = "normal, unspecified".</li> <li>5. The expected RELEASE COMPLETE received.</li> </ol>                                                                          |                                          |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_3_3_6                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                   |      |   |          |
| <b>Purpose:</b>             |       | To verify that a CC entity of the MS in CC-state U9, "MS Terminating Call Confirmed", having detected a lower layer failure returns to idle mode with the CC entities relating to the seven mobile terminating transaction identifiers in CC-state U0, "Null".                                                                                                        |      |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                 | CRef | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                    |      |   |          |
| 2                           |       | +BasicServiceMTNICorTelephony(TSPX_MTNIC_BscSvcE,TSPX_MTNIC_ChRateE)                                                                                                                                                                                                                                                                                                  |      |   | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                  |      |   |          |
| 4                           |       | +PreCCSetup(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                        |      |   | 2.       |
| 5                           |       | +PreEnterCCstateU9_34(TimingAdv_01)                                                                                                                                                                                                                                                                                                                                   |      |   | 3.       |
| 6                           | body  | +LowerLayerFailure(TCV_ch)                                                                                                                                                                                                                                                                                                                                            |      |   | 4.       |
| 7                           |       | START T_dly(20000)                                                                                                                                                                                                                                                                                                                                                    |      |   | 5.       |
| 8                           |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                        |      |   |          |
| 9                           |       | +CCEstablishMT_SDCCH4(TimingAdv_01)                                                                                                                                                                                                                                                                                                                                   |      |   |          |
| 10                          |       | +CheckTIsInStateU0(FALSE, TCV_ch)                                                                                                                                                                                                                                                                                                                                     |      |   |          |
| 11                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                              |      |   |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To select a basic service. if the MS supports telephony the selected basic service is telephony.</li> <li>2. One physical channel as BCCH, CCCH and SDCCH4.</li> <li>3. Bring MS to state U9.</li> <li>4. To generate lower layer failure.</li> <li>5. To wait 20 s for the MS to return to listening to paging.</li> </ol> |      |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                            |                                       |     |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_3_3_7                                                                                                                                                                                                                                                                            |                                       |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                        |                                       |     |          |
| <b>Purpose:</b>             |       | To verify that a CC-entity of the MS in CC-state U9, "MS Terminating Call Confirmed" having received an unknown message from its peer entity returns a STATUS message.                                                                                                                     |                                       |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                            |                                       |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                      | CRef                                  | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                         |                                       |     |          |
| 2                           |       | +BasicServiceMTNICorTelephony(TSPX_MTNIC_BscSvcF,TSPX_MTNIC_ChRateF)                                                                                                                                                                                                                       |                                       |     | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                       |                                       |     |          |
| 4                           |       | +PreCCSetup(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                             |                                       |     | 2.       |
| 5                           |       | +PreEnterCCstateU9_34(TimingAdv_01)                                                                                                                                                                                                                                                        |                                       |     | 3.       |
| 6                           | body  | L!DL_DatRqUndefCC                                                                                                                                                                                                                                                                          | Undef(TCV_ch, UndefCC_02(TI_02))      |     | 4.       |
| 7                           |       | L?DL_DatInCcst                                                                                                                                                                                                                                                                             | CCStatusRcv(CCStatus_08(TI_01, C_U9)) | (P) |          |
| 8                           |       | +CCstatuschk_05(C_U9, TI_02, TCV_ch)                                                                                                                                                                                                                                                       |                                       |     |          |
| 9                           |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                   |                                       |     |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To select a basic service. if the MS supports telephony the selected basic service is telephony.</li> <li>2. One physical channel as BCCH, CCCH and SDCCH4.</li> <li>3. Bring MS to state U9.</li> <li>4. To send an unknown message.</li> </ol> |                                       |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                    |                     |     |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_3_4_1                                                                                                                                                                                                                                    |                     |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                |                     |     |          |
| <b>Purpose:</b>             |       | To verify that a CC entity of a MS in CC-state U7, "Call Received", upon a user accepting the incoming call, shall send a CONNECT message to its peer entity and enter the CC-state U8, "Connect Request"                                          |                     |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                    |                     |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                              | CRef                | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                 |                     |     |          |
| 2                           |       | +BasicServiceMTNICorTelephony(TSPX_MTNIC_BscSvcG,TSPX_MTNIC_ChRateG)                                                                                                                                                                               |                     |     | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                               |                     |     |          |
| 4                           |       | +PreCCSetup(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                     |                     |     |          |
| 5                           |       | +PreEnterCCstateU7_33(C_Immass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                 |                     |     |          |
| 6                           | body  | (TCV_Null := OO_HookOff())                                                                                                                                                                                                                         |                     |     |          |
| 7                           |       | L?DL_DatInConn                                                                                                                                                                                                                                     | ConnRcv(Connect_01) | (P) | 2.       |
| 8                           |       | +CCstatuschk_05(C_U8, TI_02, TCV_chTch)                                                                                                                                                                                                            |                     |     | 3.       |
| 9                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                        |                     |     |          |
| <b>Detailed Comments:</b>   |       | 1. To select a basic service. if the MS supports telephony the selected basic service is telephony.<br>2. The expected CONNECT message received.<br>3. To check whether the MS is in the state U8. If not so the test case fails in the test step. |                     |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                        |                                       |     |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_3_4_2                                                                                                                                                                                                                                        |                                       |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                    |                                       |     |          |
| <b>Purpose:</b>             |       | To verify that a CC entity of a MS in CC-state U7, "Call Received", upon request by the user to terminate will send a DISCONNECT message and enter the CC-state U11, "Disconnect Request".                                                             |                                       |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                        |                                       |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                  | CRef                                  | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                     |                                       |     |          |
| 2                           |       | +BasicServiceMTNICorTelephony(TSPX_MTNIC_BscSvcH,TSPX_MTNIC_ChRateH)                                                                                                                                                                                   |                                       |     | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                   |                                       |     |          |
| 4                           |       | +PreCCSetup(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                         |                                       |     |          |
| 5                           |       | +PreEnterCCstateU7_33(C_Immass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                     |                                       |     |          |
| 6                           | body  | +TermCall                                                                                                                                                                                                                                              |                                       |     |          |
| 7                           |       | L?DL_DatInDisc                                                                                                                                                                                                                                         | DiscRcv(TCV_chTch, Disconn_05(TI_01)) | (P) | 2.       |
| 8                           |       | +CCstatuschk_05(C_U11, TI_02, TCV_chTch)                                                                                                                                                                                                               |                                       |     | 3.       |
| 9                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                            |                                       |     |          |
| <b>Detailed Comments:</b>   |       | 1. To select a basic service. if the MS supports telephony the selected basic service is telephony.<br>2. The expected DISCONNECT message received.<br>3. To check whether the MS is in the state U11. If not so the test case fails in the test step. |                                       |     |          |



| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                          |                                    |     |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_3_4_3                                                                                                                                                                                                                                                                                                                                                                                                          |                                    |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                                                                      |                                    |     |          |
| <b>Purpose:</b>             |       | To verify that a CC entity of a MS in CC-state U7, "Call Received", upon receipt of a DISCONNECT with a progress indicator indicating in-band information from network, if a TCH was not assigned, returns a RELEASE message and enters the CC-state U19, "Release Request".                                                                                                                                             |                                    |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                          |                                    |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                    | CRef                               | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                       |                                    |     |          |
| 2                           |       | +BasicServiceMTNICorTelephony(TSPX_MTNIC_BscSvcI,TSPX_MTNIC_ChRateI)                                                                                                                                                                                                                                                                                                                                                     |                                    |     | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                     |                                    |     |          |
| 4                           |       | +PreCCSetup(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                           |                                    |     | 2.       |
| 5                           |       | +PreEnterCCstateU7_31(TimingAdv_01)                                                                                                                                                                                                                                                                                                                                                                                      |                                    |     |          |
| 6                           | body  | L!DL_DatRqDisc                                                                                                                                                                                                                                                                                                                                                                                                           | DiscSnd(TCV_ch, Disconn_04(TI_02)) |     | 3.       |
| 7                           |       | L?DL_DatInRel                                                                                                                                                                                                                                                                                                                                                                                                            | ReleaseRcv(Release_10(TI_01))      | (P) | 4.       |
| 8                           |       | +CCstatuschk_05(C_U19, TI_02, TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                    |                                    |     | 5.       |
| 9                           |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                 |                                    |     |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To select a basic service. if the MS supports telephony the selected basic service is telephony.</li> <li>2. To setup a physical channels as BCCH, CCCH and SDCCH4.</li> <li>3. To send DISCONNECT message with progress indicator indicating cause #8.</li> <li>4. The expected RELEASE message received.</li> <li>5. To check whether the MS is in the state U19.</li> </ol> |                                    |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_3_4_4                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                       |   |          |
| <b>Purpose:</b>             |       | <ol style="list-style-type: none"> <li>1) To verify that a CC entity of a MS in CC-state U7, "Call Received", upon receipt of a RELEASE will return a RELEASE COMPLETE and enter the CC-state U0, "Null".</li> <li>2) To verify that the MS on returning to the idle mode releases the MM-connection and that the CC-entities relating to the seven mobile terminating transaction identifiers are in CC-state U0, "Null".</li> </ol>                         |                                       |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                         | CRef                                  | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                       |   |          |
| 2                           |       | +BasicServiceMTNICorTelephony(TSPX_MTNIC_BscSvcJ,TSPX_MTNIC_ChRateJ)                                                                                                                                                                                                                                                                                                                                                                                          |                                       |   | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                          |                                       |   |          |
| 4                           |       | +PreCCSetup(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                |                                       |   | 2.       |
| 5                           |       | +PreEnterCCstateU7_31(TimingAdv_01)                                                                                                                                                                                                                                                                                                                                                                                                                           |                                       |   |          |
| 6                           | body  | L!DL_DatRqRel                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ReleaseSnd(TCV_ch, Release_03(TI_02)) |   | 3.       |
| 7                           |       | L?DL_DatInRelCmp                                                                                                                                                                                                                                                                                                                                                                                                                                              | RelComRcv(Release_Cmp_03(TI_01))      |   | 4.       |
| 8                           |       | +CheckTIsInStateU0(FALSE, TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                             |                                       |   | 5.       |
| 9                           |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                       |   |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To select a basic service. if the MS supports telephony the selected basic service is telephony.</li> <li>2. To setup a physical channels as BCCH, CCCH and SDCCH4.</li> <li>3. To send RELEASE message with cause "Normal, unspecified".</li> <li>4. The expected RELEASE COMPLETE message received.</li> <li>5. To check that the CC entity has returned to state U0 with all transaction identifiers.</li> </ol> |                                       |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                              |      |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_3_4_5                                                                                                                                                                                                                              |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                          |      |   |          |
| <b>Purpose:</b>             |       | To verify that a CC entity of a MS in CC-state U7, "Call Received", having detected a lower layer failure returns to idle mode with the CC entities relating to the seven mobile terminating transaction identifiers in CC-state U0, "Null". |      |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                              |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                        | CRef | V | Comments |
| 1                           | body  | START T_guard(300)                                                                                                                                                                                                                           |      |   | 1.       |
| 2                           |       | +BasicServiceMTNICorTelephony(TSPX_MTNIC_BscSvcA,TSPX_MTNIC_ChRateA)                                                                                                                                                                         |      |   |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                         |      |   | 2.       |
| 4                           |       | +PreCCSetup(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                               |      |   |          |
| 5                           |       | +PreEnterCCstateU7_32(TimingAdv_01)                                                                                                                                                                                                          |      |   |          |
| 6                           |       | +LowerLayerFailure(TCV_ch)                                                                                                                                                                                                                   |      |   |          |
| 7                           |       | START T_dly(20000)                                                                                                                                                                                                                           |      |   |          |
| 8                           |       | ?TIMEOUT T_dly                                                                                                                                                                                                                               |      |   |          |
| 9                           |       | +CCEstablishMT_SDCCH4(TimingAdv_01)                                                                                                                                                                                                          |      |   |          |
| 10                          |       | +CheckTIsInStateU0(FALSE, TCV_ch)                                                                                                                                                                                                            |      |   |          |
| 11                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                     |      |   |          |
| <b>Detailed Comments:</b>   |       | 1. To select a basic service. if the MS supports telephony the selected basic service is telephony.<br>2. To setup a physical channel as BCCH, CCCH and SDCCH4.                                                                              |      |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                             |                                       |   |          |
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| <b>Test Case Name:</b>      |       | TC_26_8_1_3_4_6                                                                                                                                                                                                                                                             |                                       |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                         |                                       |   |          |
| <b>Purpose:</b>             |       | To verify that a CC entity of a MS in CC-state U7, "Call Received", having received an unknown message from its peer entity returns a STATUS message.                                                                                                                       |                                       |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                             |                                       |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                       | CRef                                  | V | Comments |
| 1                           | body  | START T_guard(300)                                                                                                                                                                                                                                                          |                                       |   | 1.       |
| 2                           |       | +BasicServiceMTNICorTelephony(TSPX_MTNIC_BscSvcB,TSPX_MTNIC_ChRateB)                                                                                                                                                                                                        |                                       |   |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                        |                                       |   | 2.       |
| 4                           |       | +PreCCSetup(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                              |                                       |   |          |
| 5                           |       | +PreEnterCCstateU7_33(C_Immass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                          |                                       |   |          |
| 6                           |       | L!DL_DatRqUndefCC                                                                                                                                                                                                                                                           | Undef(TCV_chTch, UndefCC_02(TI_02))   |   |          |
| 7                           |       | L?DL_DatInCcst                                                                                                                                                                                                                                                              | CCStatusRcv(CCStatus_08(TI_01, C_U7)) |   |          |
| 8                           |       | +CCstatuschk_05(C_U7, TI_02, TCV_chTch)                                                                                                                                                                                                                                     |                                       |   |          |
| 9                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                 |                                       |   |          |
| <b>Detailed Comments:</b>   |       | 1. To select a basic service. if the MS supports telephony the selected basic service is telephony.<br>2. To send an unknown message to the MS.<br>3. The expected STATUS message with cause #97 and state U7 received.<br>4. To check that the MS remains in the state U7. |                                       |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                 |      |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_3_4_7                                                                                                                                                                                                                                                 |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                             |      |   |          |
| <b>Purpose:</b>             |       | To verify that a CC entity of a MS in CC-state U7, "Call Received", when allocated a traffic channel by the network performing the assignment procedure, shall perform a layer 2 establishment on the FACCH without changing the state of the call in progress. |      |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                 |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                           | CRef | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                              |      |   |          |
| 2                           |       | +BasicServiceMTNICorTelephony(TSPX_MTNIC_BscSvcC,TSPX_MTNIC_ChRateC)                                                                                                                                                                                            |      |   | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                            |      |   |          |
| 4                           |       | +PreCCSetup(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                  |      |   |          |
| 5                           |       | +PreEnterCCstateU7_31(TimingAdv_01)                                                                                                                                                                                                                             |      |   |          |
| 6                           | body  | +CCAssignTCH(C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                          |      |   | 2.       |
| 7                           |       | +CCstatuschk_05(C_U7, TI_02, TCV_chTch)                                                                                                                                                                                                                         |      |   | 3.       |
| 8                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                     |      |   |          |
| <b>Detailed Comments:</b>   |       | 1. To select a basic service. if the MS supports telephony the selected basic service is telephony.<br>2. The assignment procedure succeeded.<br>3. To check whether the MS remains in the state U7.                                                            |      |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                   |                                         |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_3_4_8                                                                                                                                                                                                                                                                                                                   |                                         |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                               |                                         |   |          |
| <b>Purpose:</b>             |       | 1) To verify that a CC entity of the MS in CC-state U7, "Call received", upon receipt of a RELEASE COMPLETE message with valid cause value, enters CC state U0, "Null".<br>2) To verify that in returning to idle mode, the CC entities relating to the seven mobile originating transaction identifiers are in state U0, "Null". |                                         |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                   |                                         |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                             | CRef                                    | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                |                                         |   |          |
| 2                           |       | +BasicServiceMTNICorTelephony(TSPX_MTNIC_BscSvcD,TSPX_MTNIC_ChRateD)                                                                                                                                                                                                                                                              |                                         |   | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                              |                                         |   |          |
| 4                           |       | +PreCCSetup(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                    |                                         |   | 2.       |
| 5                           |       | +PreEnterCCstateU7_31(TimingAdv_01)                                                                                                                                                                                                                                                                                               |                                         |   |          |
| 6                           | body  | L!DL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                  | RelComSnd(TCV_ch, ReleaseCmp_04(TI_02)) |   |          |
| 7                           |       | +CheckTIsInStateU0(FALSE, TCV_ch)                                                                                                                                                                                                                                                                                                 |                                         |   | 3.       |
| 8                           |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                          |                                         |   |          |
| <b>Detailed Comments:</b>   |       | 1. To select a basic service. if the MS supports telephony the selected basic service is telephony.<br>2. To setup a physical channels as BCCH, CCCH and SDCCH4.<br>3. To check that the CC entities relating to the seven MT transaction identifiers are in state U0.                                                            |                                         |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                               |                                       |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_3_5_1                                                                                                                                                                               |                                       |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                           |                                       |   |          |
| <b>Purpose:</b>             |       | To verify that a CC entity of a MS in CC-state U8, "Connect Request", upon receipt of CONNECT ACKNOWLEDGE shall enter the CC-state U10, "Call Active".                                        |                                       |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                               |                                       |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                         | CRef                                  | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                            |                                       |   |          |
| 2                           |       | +BasicServiceMTorTelephony(TSPX_MTBscSvcC, TSPX_MTChRateC, TSPX_MT_ImmConnC)                                                                                                                  |                                       |   | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                          |                                       |   |          |
| 4                           |       | +PreCCSetup(C_Immacc, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                |                                       |   |          |
| 5                           |       | +PreEnterCCstateU8_32(C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                               |                                       |   |          |
| 6                           | body  | [TCV_ImmConn = TRUE]                                                                                                                                                                          |                                       |   |          |
| 7                           |       | +CCAssignTCH(C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                        |                                       |   |          |
| 8                           |       | +localtree1                                                                                                                                                                                   |                                       |   |          |
| 9                           |       | [TCV_ImmConn = FALSE]                                                                                                                                                                         |                                       |   |          |
| 10                          |       | +localtree1                                                                                                                                                                                   |                                       |   |          |
|                             |       | <b>localtree1</b>                                                                                                                                                                             |                                       |   |          |
| 11                          |       | L!DL_DatRqConnAck                                                                                                                                                                             | ConnAckSnd(TCV_ch Tch, ConnectAck_01) |   |          |
| 12                          |       | +CCstatuschk_05(C_U10, TI_02, TCV_chTch)                                                                                                                                                      |                                       |   | 2.       |
| 13                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                   |                                       |   |          |
| <b>Detailed Comments:</b>   |       | 1. To select a basic service. if the MS supports telephony the selected basic service is telephony.<br>2. To check whether the MS is in U10 state. if it is not in U10 fail in the test step. |                                       |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                          |                                          |     |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_3_5_2                                                                                                                                                                                                                                                                                                                                                          |                                          |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                      |                                          |     |          |
| <b>Purpose:</b>             |       | To verify that a CC entity of a MS in CC-state U8, "Connect Request", having waited for a reasonable length of time (eg. expiry of timer T313) without receiving the appropriate protocol message to complete the incoming call, shall initiate the clearing of that incoming call by sending the CC message DISCONNECT and enter the CC-state U11, "Disconnect Request" |                                          |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                          |                                          |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                    | CRef                                     | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                       |                                          |     |          |
| 2                           |       | +BasicServiceMTorTelephony(TSPX_MTBscSvcD,<br>TSPX_MTChRateD,TSPX_MT_ImmConnD)                                                                                                                                                                                                                                                                                           |                                          |     | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                     |                                          |     |          |
| 4                           |       | +PreCCSetup(C_ImmAss, TCV_slot, TCV_tsc,<br>5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B,<br>'00'O)                                                                                                                                                                                                                                                                     |                                          |     |          |
| 5                           |       | +PreEnterCCstateU8_32(C_Ass,<br>TSPX_TmSlitDef, TSPX_TscDef,<br>TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                    |                                          |     |          |
| 6                           | body  | [TCV_ImmConn = TRUE]                                                                                                                                                                                                                                                                                                                                                     |                                          |     |          |
| 7                           |       | +CCAssignTCH(C_Ass, TSPX_TmSlitDef,<br>TSPX_TscDef, TimingAdv_01, '000'B,<br>'001'B, '011'B)                                                                                                                                                                                                                                                                             |                                          |     |          |
| 8                           |       | +localtree1                                                                                                                                                                                                                                                                                                                                                              |                                          |     |          |
| 9                           |       | [TCV_ImmConn = FALSE]                                                                                                                                                                                                                                                                                                                                                    |                                          |     |          |
| 10                          |       | +localtree1                                                                                                                                                                                                                                                                                                                                                              |                                          |     |          |
|                             |       | <b>localtree1</b>                                                                                                                                                                                                                                                                                                                                                        |                                          |     |          |
| 11                          |       | START T_dly(15000)                                                                                                                                                                                                                                                                                                                                                       |                                          |     |          |
| 12                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                           |                                          |     |          |
| 13                          |       | START T_dly(18000)                                                                                                                                                                                                                                                                                                                                                       |                                          |     |          |
| 14                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                           |                                          | (F) |          |
| 15                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                              |                                          |     |          |
| 16                          |       | L?DL_DatInDisc                                                                                                                                                                                                                                                                                                                                                           | DiscRcv(TCV_chTch,<br>Disconn_05(TI_01)) | (P) | 2.       |
| 17                          |       | +CCstatuschk_05(C_U11, TI_02,<br>TCV_chTch)                                                                                                                                                                                                                                                                                                                              |                                          |     | 3.       |
| 18                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                              |                                          |     |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To select a basic service. if the MS supports telephony the selected basic service is telephony.</li> <li>2. The expected DISCONNECT message received within the time interval.</li> <li>3. To check whether the MS is in the expected U11 state.</li> </ol>                                                                   |                                          |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                         |                                       |     |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_3_5_3                                                                                                                                                                                                                                                                                                         |                                       |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                     |                                       |     |          |
| <b>Purpose:</b>             |       | To verify that a CC entity of a MS in CC-state U8, "Connect Request", upon request by the user to terminate will send a DISCONNECT message and enter the CC-state U11, "Disconnect Request".                                                                                                                            |                                       |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                         |                                       |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                   | CRef                                  | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                      |                                       |     |          |
| 2                           |       | +BasicServiceMTorTelephony(TSPX_MTBscSvcE, TSPX_MTChRateE, TSPX_MT_ImmConnE)                                                                                                                                                                                                                                            |                                       |     | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                    |                                       |     |          |
| 4                           |       | +PreCCSetup(C_ImmAss, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                          |                                       |     |          |
| 5                           |       | +PreEnterCCstateU8_32(C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                         |                                       |     |          |
| 6                           | body  | [TSPC_ImmConn = TRUE]                                                                                                                                                                                                                                                                                                   |                                       |     |          |
| 7                           |       | +CCAssignTCH(C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                  |                                       |     |          |
| 8                           |       | +localtree1                                                                                                                                                                                                                                                                                                             |                                       |     |          |
| 9                           |       | [TSPC_ImmConn = FALSE]                                                                                                                                                                                                                                                                                                  |                                       |     |          |
| 10                          |       | +localtree1                                                                                                                                                                                                                                                                                                             |                                       |     |          |
|                             |       | <b>localtree1</b>                                                                                                                                                                                                                                                                                                       |                                       |     |          |
| 11                          |       | +TermCall                                                                                                                                                                                                                                                                                                               |                                       |     | 2.       |
| 12                          |       | L?DL_DatInDisc                                                                                                                                                                                                                                                                                                          | DiscRcv(TCV_chTch, Disconn_05(TI_01)) | (P) | 3.       |
| 13                          |       | +CCstatuschk_05(C_U11, TI_02, TCV_chTch)                                                                                                                                                                                                                                                                                |                                       |     | 4.       |
| 14                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                             |                                       |     |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To select a basic service. if the MS supports telephony the selected basic service is telephony.</li> <li>2. The user terminates the call.</li> <li>3. The expected DISCONNECT message received.</li> <li>4. To check whether the MS is in the expected U11 state.</li> </ol> |                                       |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                |                                          |     |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_3_5_4                                                                                                                                                                                                                                                                                |                                          |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                            |                                          |     |          |
| <b>Purpose:</b>             |       | To verify that a CC entity of a MS in CC-state U8, "Connect Request", upon receipt of a DISCONNECT with progress indicator #8 enters CC-state U12, if the traffic channel is in speech mode, and that the MS sends a RELEASE message and enters CC-state U19 if the TCH is not in speech mode. |                                          |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                |                                          |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                          | CRef                                     | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                             |                                          |     |          |
| 2                           |       | +BasicServiceMTorTelephony(TSPX_MTBscSvcF,T<br>SPX_MTChRateF,TSPX_MT_ImmConnF)                                                                                                                                                                                                                 |                                          |     | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                           |                                          |     |          |
| 4                           |       | +PreCCSetup(C_Immass, TCV_slot, TCV_tsc,<br>5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B,<br>'00'O)                                                                                                                                                                                           |                                          |     |          |
| 5                           |       | +PreEnterCCstateU8_33(C_Immass,<br>TSPX_TmSltDef, TSPX_TscDef,<br>TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                        |                                          |     |          |
| 6                           | body  | L!DL_DatRqDisc                                                                                                                                                                                                                                                                                 | DiscSnd(TCV_chTch,<br>Disconn_04(TI_02)) |     |          |
| 7                           |       | [TCV_ChMod.mode = C_ChMod_r]                                                                                                                                                                                                                                                                   |                                          |     | 2.       |
| 8                           |       | +CCstatuschk_05(C_U12, TI_02,<br>TCV_chTch)                                                                                                                                                                                                                                                    |                                          |     |          |
| 9                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                    |                                          |     |          |
| 10                          |       | [TCV_ChMod.mode <> C_ChMod_r]                                                                                                                                                                                                                                                                  |                                          |     | 3.       |
| 11                          |       | L?DL_DatInRel                                                                                                                                                                                                                                                                                  | ReleaseRcv(Release<br>_10(TI_01))        | (P) |          |
| 12                          |       | +CCstatuschk_05(C_U19, TI_02,<br>TCV_chTch)                                                                                                                                                                                                                                                    |                                          |     |          |
| 13                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                    |                                          |     |          |
| <b>Detailed Comments:</b>   |       | 1. To select a basic service. if the MS supports telephony the selected basic service is telephony.<br>3. TCH is in speech mode.<br>4. TCH is not in speech mode.                                                                                                                              |                                          |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                          |                                          |     |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_3_5_5                                                                                                                                                                                          |                                          |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                      |                                          |     |          |
| <b>Purpose:</b>             |       | To verify that a CC entity of a MS in CC-state U8, "Connect Request", upon receipt of a DISCONNECT without progress indicator, returns a RELEASE message and enters the CC-state U19, "Release Request". |                                          |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                          |                                          |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                    | CRef                                     | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                       |                                          |     |          |
| 2                           |       | +BasicServiceMTorTelephony(TSPX_MTBscSvcG,<br>TSPX_MTChRateG,TSPX_MT_ImmConnG)                                                                                                                           |                                          |     | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                     |                                          |     |          |
| 4                           |       | +PreCCSetup(C_Immass, TCV_slot, TCV_tsc,<br>5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B,<br>'00'O)                                                                                                     |                                          |     |          |
| 5                           |       | +PreEnterCCstateU8_33(C_Immass,<br>TSPX_TmSltDef, TSPX_TscDef,<br>TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                  |                                          |     |          |
| 6                           | body  | L!DL_DatRqDisc                                                                                                                                                                                           | DiscSnd(TCV_chTch,<br>Disconn_07(TI_02)) |     |          |
| 7                           |       | L?DL_DatInRel                                                                                                                                                                                            | ReleaseRcv(Release<br>_10(TI_01))        | (P) | 2.       |
| 8                           |       | +CCstatuschk_05(C_U19, TI_02,<br>TCV_chTch)                                                                                                                                                              |                                          |     |          |
| 9                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                              |                                          |     |          |
| <b>Detailed Comments:</b>   |       | 1. To select a basic service. if the MS supports telephony the selected basic service is telephony.<br>2. The expected RELEASE message received.                                                         |                                          |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                 |                                           |     |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_3_5_6                                                                                                                                                                                                                                                                                                                                                                 |                                           |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                             |                                           |     |          |
| <b>Purpose:</b>             |       | 1) To verify that a CC entity of a MS in CC-state U8, "Connect Request", upon receipt of a RELEASE will return a RELEASE COMPLETE and enter the CC-state U0, "Null".<br>2) To verify that the MS on returning to the idle mode releases the MM-connection and that the CC-entities relating to the seven mobile terminating transaction identifiers are in CC-state U0, "Null". |                                           |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                 |                                           |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                           | CRef                                      | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                              |                                           |     |          |
| 2                           |       | +BasicServiceMTorTelephony(TSPX_MTBscSvcH, TSPX_MTChRateH, TSPX_MT_ImmConnH)                                                                                                                                                                                                                                                                                                    |                                           |     | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                            |                                           |     |          |
| 4                           |       | +PreCCSetup(C_Imm, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                     |                                           |     |          |
| 5                           |       | +PreEnterCCstateU8_33(C_Imm, TSPX_TmSlDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                   |                                           |     |          |
| 6                           | body  | L!DL_DatRqRel                                                                                                                                                                                                                                                                                                                                                                   | ReleaseSnd(TCV_ch Tch, Release_03(TI_02)) |     |          |
| 7                           |       | L?DL_DatInRelCmp                                                                                                                                                                                                                                                                                                                                                                | RelComRcv(Release Cmp_03(TI_01))          | (P) | 2.       |
| 8                           |       | +CheckTlInStateU0(FALSE, TCV_chTch)                                                                                                                                                                                                                                                                                                                                             |                                           |     |          |
| 9                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                     |                                           |     |          |
| <b>Detailed Comments:</b>   |       | 1. To select a basic service. if the MS supports telephony the selected basic service is telephony.<br>2. The expected RELEASE COMPLETE message received.                                                                                                                                                                                                                       |                                           |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                |      |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_3_5_7                                                                                                                                                                                                                                |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                            |      |   |          |
| <b>Purpose:</b>             |       | To verify that a CC entity of a MS in CC-state U8, "Connect Request", having detected a lower layer failure returns to idle mode with the CC entities relating to the seven mobile terminating transaction identifiers in CC-state U0, "Null". |      |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                          | CRef | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                             |      |   |          |
| 2                           |       | +BasicServiceMTorTelephony(TSPX_MTBscSvcI, TSPX_MTChRateI, TSPX_MT_ImmConnI)                                                                                                                                                                   |      |   | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                           |      |   |          |
| 4                           |       | +PreCCSetup(C_Imm, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                    |      |   | 2.       |
| 5                           |       | +PreEnterCCstateU8_31(TimingAdv_01)                                                                                                                                                                                                            |      |   |          |
| 6                           | body  | +LowerLayerFailure(TCV_ch)                                                                                                                                                                                                                     |      |   | 3.       |
| 7                           |       | START T_dly(20000)                                                                                                                                                                                                                             |      |   |          |
| 8                           |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                 |      |   |          |
| 9                           |       | +CCEstablishMT_SDCCH4(TimingAdv_01)                                                                                                                                                                                                            |      |   |          |
| 10                          |       | +CheckTlInStateU0(FALSE, TCV_ch)                                                                                                                                                                                                               |      |   |          |
| 11                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                       |      |   |          |
| <b>Detailed Comments:</b>   |       | 1. To select a basic service. if the MS supports telephony the selected teleservice is telephony.<br>2. To setup a physical channel as BCCH, CCCH and SDCCH4.<br>3. To generate lower layer failure.                                           |      |   |          |



| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                   |      |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_3_5_8                                                                                                                                                                                                                                                   |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                               |      |   |          |
| <b>Purpose:</b>             |       | To verify that a CC entity of a MS in CC-state U8, "Connect Request", when allocated a traffic channel by the network performing the assignment procedure, shall perform a layer 2 establishment on the FACCH without changing the state of the call in progress. |      |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                   |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                             | CRef | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                |      |   |          |
| 2                           |       | +BasicServiceMTorTelephony(TSPX_MTBscSvcJ,TSPX_MTChRateJ,TSPX_MT_ImmConnJ)                                                                                                                                                                                        |      |   | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                              |      |   |          |
| 4                           |       | +PreCCSetup(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                    |      |   |          |
| 5                           |       | +PreEnterCCstateU8_31(TimingAdv_01)                                                                                                                                                                                                                               |      |   |          |
| 6                           | body  | +CCAssignTCH(C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                            |      |   | 2.       |
| 7                           |       | +CCstatuschk_05(C_U8, TI_02, TCV_chTch)                                                                                                                                                                                                                           |      |   | 3.       |
| 8                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                       |      |   |          |
| <b>Detailed Comments:</b>   |       | 1. To select a basic service. if the MS supports telephony the selected basic service is telephony.<br>2. To assign a suitable traffic channel.<br>3.. To check whether the MS is still in the state U8.                                                          |      |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                             |                                        |     |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_3_5_9                                                                                                                                                                                                                                                                                                                             |                                        |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                         |                                        |     |          |
| <b>Purpose:</b>             |       | To verify that a CC entity of a MS in CC-state U8, "Connect Request", having received an unknown message from its peer entity returns a STATUS message.                                                                                                                                                                                     |                                        |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                             |                                        |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                       | CRef                                   | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                          |                                        |     |          |
| 2                           |       | +BasicServiceMTorTelephony(TSPX_MTBscSvcA, TSPX_MTChRateA,TSPX_MT_ImmConnA)                                                                                                                                                                                                                                                                 |                                        |     | 1.       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                        |                                        |     |          |
| 4                           |       | +PreCCSetup(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                              |                                        |     | 2.       |
| 5                           |       | +PreEnterCCstateU8_31(TimingAdv_01)                                                                                                                                                                                                                                                                                                         |                                        |     |          |
| 6                           | body  | L!DL_DatRqUndefCC                                                                                                                                                                                                                                                                                                                           | Undef(TCV_ch, UndefCC_02(TI_02))       |     | 3.       |
| 7                           |       | L?DL_DatInCcst                                                                                                                                                                                                                                                                                                                              | CCStatusRcv(CCStat us_08(TI_01, C_U8)) | (P) | 4.       |
| 8                           |       | +CCstatuschk_05(C_U8, TI_02, TCV_ch)                                                                                                                                                                                                                                                                                                        |                                        |     | 5.       |
| 9                           |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                    |                                        |     |          |
| <b>Detailed Comments:</b>   |       | 1. To select a basic service. if the MS supports telephony the selected basic service is telephony.<br>2. To setup a physical channel as BCCH, CCCH and SDCCH4.<br>3. To send an unknown message to the MS.<br>4. The expected STATUS message with cause #97 and state U8 received.<br>5. To check whether the MS is still in the state U8. |                                        |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                       |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_4_1_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                       |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                       |   |          |
| <b>Purpose:</b>             |       | <p>1) To verify that an MS supporting the Mobile originating DTMF protocol control procedure, having a CC entity for speech in state U10, "Active": when made to send a DTMF tone, sends a START DTMF message on the correct DCCH.</p> <p>2) To verify that an MS supporting the Mobile originating DTMF protocol control procedure, having a CC entity for speech in state U10, "Active": when made to send a DTMF tone (the corresponding IA5 character being selected from among the ones supported), sends a START DTMF message specifying the correct IA5 character in the "keypad information" field of the keypad facility information element.</p> |                                                       |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                       |   |          |
| <b>Comments:</b>            |       | The test is carried on full rate speech.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                       |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | CRef                                                  | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                       |   |          |
| 2                           |       | +BasicServiceMT(TSPX_MTBscSvcA,TSPX_MTChRateA,TSPX_MT_ImmConnA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                       |   |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                       |   |          |
| 4                           |       | +PreCCSetup(C_ImmAss, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                       |   | 1.       |
| 5                           |       | +PreEnterCCstateU10(TCV_Setup_mt, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                       |   | 2.       |
| 6                           | body  | [TSPC_BasCharSet = TRUE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                       |   | 3.       |
| 7                           |       | +localtree1("0")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                       |   |          |
| 8                           |       | +localtree1("1")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                       |   |          |
| 9                           |       | +localtree1("2")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                       |   |          |
| 10                          |       | +localtree1("3")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                       |   |          |
| 11                          |       | +localtree1("4")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                       |   |          |
| 12                          |       | +localtree1("5")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                       |   |          |
| 13                          |       | +localtree1("6")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                       |   |          |
| 14                          |       | +localtree1("7")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                       |   |          |
| 15                          |       | +localtree1("9")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                       |   |          |
| 16                          |       | +continue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                       |   |          |
| 17                          |       | [TSPC_BasCharSet = FALSE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                       | I |          |
|                             |       | <b>continue</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                       |   |          |
| 18                          |       | +localtree1("#")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                       |   |          |
| 19                          |       | +localtree1("**")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                       |   |          |
| 20                          |       | [TSPC_AddCharSet = TRUE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                       |   | 4.       |
| 21                          |       | +localtree1("A")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                       |   |          |
| 22                          |       | +localtree1("B")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                       |   |          |
| 23                          |       | +localtree1("C")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                       |   |          |
| 24                          |       | +localtree1("D")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                       |   |          |
| 25                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                       |   |          |
| 26                          |       | [TSPC_AddCharSet = FALSE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                       |   |          |
| 27                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                       |   | 5.       |
|                             |       | <b>localtree</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                       |   |          |
| 28                          |       | (TCV_Null := OO_ShortKeyDepr("0"))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                       |   |          |
| 29                          |       | L?DL_DatInStartDtmf                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | StartDTMFRcv(StartDtmf_01(TI_01, "0"))                |   |          |
| 30                          |       | LIDL_DatRqStartDtmfRej                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | StartDTMFRcvRejSnd(TCV_chTch, StartDtmfRej_01(TI_02)) |   |          |
| 31                          |       | +CCstatuschk_05(C_U10, TI_02, TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                       |   | 6.       |
| 32                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                       |   |          |
|                             |       | <b>localtree1(character:IA5String)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                       |   |          |
| 33                          |       | (TCV_Null := OO_ShortKeyDepr(character), TCV_Char := character)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                       |   |          |
| 34                          |       | L?DL_DatInStartDtmf                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | StartDTMFRcv(StartDtmf_01(TI_01, TCV_Char))           |   |          |

|                   |                                          |                                                              |     |    |
|-------------------|------------------------------------------|--------------------------------------------------------------|-----|----|
| 35                | LIDL_DatRqStartDtmfAck                   | StartDTMFAckSnd(TCV_chTch, StartDtmfAck_01(TI_02, TCV_Char)) |     |    |
| 36                | +CCstatuschk_05(C_U10, TI_02, TCV_chTch) |                                                              |     | 6. |
| 37                | [TSPX_DTMFInd = TRUE]                    |                                                              |     |    |
| 38                | (TCV_Res := OO_DTMFIndCHK(character))    |                                                              |     |    |
| 39                | [TCV_Res = FALSE]                        |                                                              | (F) | 7. |
| 40                | +PostMainLinkRel(TCV_chTch)              |                                                              |     |    |
| 41                | [TCV_Res = TRUE]                         |                                                              | (P) | 8. |
| 42                | +localtree2                              |                                                              |     |    |
| 43                | [TSPX_DTMFInd = FALSE]                   |                                                              |     |    |
| 44                | +localtree2                              |                                                              |     |    |
| <b>localtree2</b> |                                          |                                                              |     |    |
| 45                | L?DL_DatInStopDtmf                       | StopDTMFRcv(StopDtmf_01(TI_01))                              |     |    |
| 46                | L!DL_DatRqStopDtmfAck                    | StopDTMFAckSnd(TCV_chTch, StopDtmfAck_01(TI_02))             |     |    |
| 47                | +CCstatuschk_05(C_U10, TI_02, TCV_chTch) |                                                              |     | 6. |

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Detailed Comments:</b> | <ol style="list-style-type: none"> <li>1. To setup 2 physical channels one as BCCH, CCCH and SDCCH4, another as full rate traffic channel.</li> <li>2. To bring the MS into the state U10 for speech.</li> <li>3. To check the character set of "0-9, #, *".</li> <li>4. To check the character set of "A, B, C, D" if it is supported by the MS.</li> <li>5. To test the DTMF tone being rejected.</li> <li>6. To verify that the MS is still in the state U10.</li> <li>7. The DTMF indication is not correct.</li> <li>8. The DTMF indication is correct.</li> </ol> |
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### Test Case Dynamic Behaviour

|                        |                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_26_8_1_4_2_1                                                                                                               |
| <b>Group:</b>          | GSM_L3_MS_v4160/CC/                                                                                                           |
| <b>Purpose:</b>        | To verify that a CC entity of a MS in CC-state U10, "active", upon receiving of a NOTIFY message remains in the active state. |
| <b>Default:</b>        | OtherEventsFail                                                                                                               |

| Nr | Label | Behaviour Description                                                                                       | CRef                                      | V | Comments |
|----|-------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------|---|----------|
| 1  |       | START T_guard(300)                                                                                          |                                           |   |          |
| 2  |       | +BasicServiceMT(TSPX_MTBscSvcA, TSPX_MTChRateA, TSPX_MT_ImmConnA)                                           |                                           |   |          |
| 3  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                        |                                           |   |          |
| 4  |       | +PreCCSetup(C_ImmAss, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)              |                                           |   | 1.       |
| 5  |       | +PreEnterCCstateU10(TCV_Setup_mt, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B) |                                           |   | 2.       |
| 6  | body  | LIDL_DatRqNotify                                                                                            | NotifySnd(TCV_chTch, NotifiReq_01(TI_02)) |   | 3.       |
| 7  |       | +CCstatuschk_05(C_U10, TI_02, TCV_chTch)                                                                    |                                           |   | 4.       |
| 8  |       | +PostMainLinkRel(TCV_chTch)                                                                                 |                                           |   |          |

|                           |                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Detailed Comments:</b> | <ol style="list-style-type: none"> <li>1. To setup 2 physical channels one as BCCH, CCCH and SDCCH4, another as full rate traffic channel.</li> <li>2. To bring the MS into the state U10 for speech by generic call setup procedure.</li> <li>3. To send the NOTIFY message to the MS.</li> <li>4. To verify whether the MS is still in the state U10, the verdict is assigned in the test step.</li> </ol> |
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| Test Case Dynamic Behaviour |       |                                                                                                                                                                                        |                                                    |     |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_4_3_1                                                                                                                                                                        |                                                    |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                    |                                                    |     |          |
| <b>Purpose:</b>             |       | To verify that the MS being in the call active state after having successfully completed a channel assignment or having completed a handover command remains in the call active state. |                                                    |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                        |                                                    |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                  | CRef                                               | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                     |                                                    |     |          |
| 2                           |       | +BasicServiceMT(TSPX_MTBscSvcC,TSPX_MTChRateC,TSPX_MT_ImmConnC)                                                                                                                        |                                                    |     |          |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                   |                                                    |     |          |
| 4                           |       | +PreCCSetup(C_Immacc, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                         |                                                    |     |          |
| 5                           |       | +AssCmdGen2MT                                                                                                                                                                          |                                                    |     |          |
| 6                           |       | [TCV_ChRate = C_Full]                                                                                                                                                                  |                                                    |     |          |
| 7                           |       | (TCV_chTch1 := C_FACCHF_A_2, TCV_sacchTch1 := C_SACCHF_A_2)                                                                                                                            |                                                    |     |          |
| 8                           |       | +FullRateCh_A_TCHdef(C_Ass, TSPX_TmSltC, TSPX_TscC, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                              |                                                    |     | 2.       |
| 9                           |       | (TCV_Null := OM_CphMd(TCV_chTch1, CphMod_01, TCV_CphKey))                                                                                                                              |                                                    |     |          |
| 10                          |       | +localtree                                                                                                                                                                             |                                                    |     |          |
| 11                          |       | [TCV_ChRate = C_Half]                                                                                                                                                                  |                                                    |     |          |
| 12                          |       | (TCV_chTch1 := OC_SubchOfFacchh(TSPX_TCHHSubDef, C_CellA, 2), TCV_sacchTch1 := OC_SubchOfSacchh(TSPX_TCHHSubDef, C_CellA, 2))                                                          |                                                    |     |          |
| 13                          |       | +HalfRateCh_A_TCHdef(C_Ass, TSPX_TmSltC, TSPX_TscC, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                              |                                                    |     | 4.       |
| 14                          |       | (TCV_Null := OM_CphMd(TCV_chTch1, CphMod_01, TCV_CphKey))                                                                                                                              |                                                    |     |          |
| 15                          |       | +localtree                                                                                                                                                                             |                                                    |     |          |
|                             |       | <b>localtree</b>                                                                                                                                                                       |                                                    |     |          |
| 16                          |       | +PreEnterCCstateU10(TCV_Setup_mt, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                             |                                                    |     | 5.       |
| 17                          | body  | +Adjust_gsmadddcs_powerlvl(0,3,TCV_AssCmd)                                                                                                                                             |                                                    |     |          |
| 18                          |       | +AssCh_complete(TCV_ch,TCV_chTch,TCV_AssCmd)                                                                                                                                           |                                                    |     | 6.       |
| 19                          |       | +CCstatuschk_05(C_U10, TI_02, TCV_chTch1)                                                                                                                                              |                                                    |     | 7.       |
| 20                          |       | +handover                                                                                                                                                                              |                                                    |     |          |
| 21                          |       | L?DL_RaInHoacc                                                                                                                                                                         | HndOvAccRcv(TCV_chTch, HandOverAcc_02(TSPX_horfA)) |     |          |
| 22                          |       | L?DL_RaInHoacc                                                                                                                                                                         | HndOvAccRcv(TCV_chTch, HandOverAcc_02(TSPX_horfA)) |     |          |
| 23                          |       | L?DL_RaInHoacc                                                                                                                                                                         | HndOvAccRcv(TCV_chTch, HandOverAcc_02(TSPX_horfA)) |     |          |
| 24                          |       | L?DL_RaInHoacc                                                                                                                                                                         | HndOvAccRcv(TCV_chTch, HandOverAcc_02(TSPX_horfA)) |     |          |
| 25                          |       | L?DL_EstIn                                                                                                                                                                             | DLEstInd_01                                        |     |          |
| 26                          |       | L?DL_DatInHoCom                                                                                                                                                                        | HndOvCmpRcv(TCV_chTch,HandOverCmp_01)              | (P) | 8.       |
| 27                          |       | +CCstatuschk_05(C_U10, TI_02, TCV_chTch)                                                                                                                                               |                                                    |     | 7.       |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  |                             |                                                            |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------------------------|------------------------------------------------------------|--|
| 28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                  | +PostMainLinkRel(TCV_chTch) |                                                            |  |
| 29                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>handover</b>                                                  |                             |                                                            |  |
| 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | [TSPC_PGSM OR TSPC_EGSM]<br>L!DL_DatRqHoCmd                      |                             | HndOvSnd(TCV_chTch1,<br>HandOverCmd_10(TCV_slot, TCV_tsc)) |  |
| 31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | [TSPC_DCS]                                                       |                             |                                                            |  |
| 32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | L!DL_DatRqHoCmd (DL_DatRqHoCmd.msg.pcmd<br>:= Pcmd_19('00011'B)) |                             | HndOvSnd(TCV_chTch1,<br>HandOverCmd_10(TCV_slot, TCV_tsc)) |  |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                  |                             |                                                            |  |
| <ol style="list-style-type: none"> <li>1. To setup a physical channels as full rate traffic channel.</li> <li>2. To setup a physical channel as second full rate traffic channel.</li> <li>3. To setup a physical channels as half rate traffic channel.</li> <li>4. To setup a physical channel as the second half rate traffic channel.</li> <li>5. To bring the MS into U10 state by MT call generic setup procedure.</li> <li>6. The assignment procedure succeeds.</li> <li>7. To check whether the MS is still in the state U10.</li> <li>8. The handover procedure succeeds.</li> </ol> |                                                                  |                             |                                                            |  |

| Test Case Dynamic Behaviour |       |                                                                                                                                                            |                                                         |     |                                                                                                       |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----|-------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_4_3_2                                                                                                                                            |                                                         |     |                                                                                                       |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                        |                                                         |     |                                                                                                       |
| <b>Purpose:</b>             |       | To verify that the MS, when returning to the old channel after handover failure and establishing correctly the link, will remain in the call active state. |                                                         |     |                                                                                                       |
| <b>Default:</b>             |       | OtherEventsFail_01, RcvHdOvAcc                                                                                                                             |                                                         |     |                                                                                                       |
| <b>Comments:</b>            |       | bearer capability TSPX_BCd is used in the test case. The generic MT call setup procedure is used.                                                          |                                                         |     |                                                                                                       |
| Nr                          | Label | Behaviour Description                                                                                                                                      | Cref                                                    | V   | Comments                                                                                              |
| 1                           |       | START T_guard(300)                                                                                                                                         |                                                         |     |                                                                                                       |
| 2                           |       | +BasicServiceMT(TSPX_MTBscSvcD,TSPX_MTChRateD,TSPX_MT_ImmConnD)                                                                                            |                                                         |     |                                                                                                       |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                       |                                                         |     |                                                                                                       |
| 4                           |       | +PreCCSetup(C_Immacc, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                             |                                                         |     |                                                                                                       |
| 5                           |       | (TCV_ch1 := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellB), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB))                                     |                                                         |     |                                                                                                       |
| 6                           |       | +StartCellB_1(C_Immacc,TCV_slot, TCV_tsc, TimingAdv_01, 0, '000'B, '001'B, '011'B, '00'O)                                                                  |                                                         |     | 1.                                                                                                    |
| 7                           |       | (TCV_Null := OM_CphMd(TCV_ch1, CphMod_01, TCV_CphKey))                                                                                                     |                                                         |     |                                                                                                       |
| 8                           |       | +localtree                                                                                                                                                 |                                                         |     |                                                                                                       |
| <b>localtree</b>            |       |                                                                                                                                                            |                                                         |     |                                                                                                       |
| 9                           |       | +PreEnterCCstateU10(TCV_Setup_mt, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                 |                                                         |     |                                                                                                       |
| 10                          | body  | +handover                                                                                                                                                  |                                                         |     | In case of non-sync HO the TC has to wait for the timeout T3124 and not only for 4 HO access messages |
| 11                          |       | L?DL_EstIn                                                                                                                                                 | DLEstInd_01                                             |     |                                                                                                       |
| 12                          |       | L?DL_DatInHofl                                                                                                                                             | HndOvFIRcv(TCV_chTch, HandOvFail_01)                    | (P) | 2.                                                                                                    |
| 13                          |       | +CCstatuschk_05(C_U10, TI_02, TCV_chTch)                                                                                                                   |                                                         |     | 3.                                                                                                    |
| 14                          |       | +ltree_Asgn                                                                                                                                                |                                                         |     |                                                                                                       |
| 15                          |       | +Adjust_gsmanddcs_powerlvl(7,3,TCV_AssCmd)                                                                                                                 |                                                         |     |                                                                                                       |
| 16                          |       | +AssCh_failure(TCV_chTch,TCV_AssCmd,FALSE)                                                                                                                 |                                                         |     | 4.                                                                                                    |
| 17                          |       | +CCstatuschk_05(C_U10, TI_02, TCV_chTch)                                                                                                                   |                                                         |     | 3.                                                                                                    |
| 18                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                |                                                         |     |                                                                                                       |
| <b>handover</b>             |       |                                                                                                                                                            |                                                         |     |                                                                                                       |
| 19                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                   |                                                         |     |                                                                                                       |
| 20                          |       | LIDL_DatRqHoCmd                                                                                                                                            | HndOvSnd(TCV_chTch1, HandOverCmd_11(TCV_slot, TCV_tsc)) |     | Non-sync HO                                                                                           |
| 21                          |       | [TSPC_DCS]                                                                                                                                                 |                                                         |     |                                                                                                       |
| 22                          |       | LIDL_DatRqHoCmd (DL_DatRqHoCmd.msg.pcmd := Pcmd_19('00011'B))                                                                                              | HndOvSnd(TCV_chTch1, HandOverCmd_11(TCV_slot, TCV_tsc)) |     | Non-sync HO                                                                                           |
| <b>ltree_Asgn</b>           |       |                                                                                                                                                            |                                                         |     |                                                                                                       |
| 23                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                   |                                                         |     |                                                                                                       |
| 24                          |       | (TCV_AssCmd := AsgnCmd_tchf(TCV_slot, TCV_tsc))                                                                                                            |                                                         |     |                                                                                                       |
| 25                          |       | [TSPC_DCS]                                                                                                                                                 |                                                         |     |                                                                                                       |
| 26                          |       | (TCV_AssCmd := AsgnCmd_dtchf(TCV_slot, TCV_tsc))                                                                                                           |                                                         |     |                                                                                                       |
| <b>Detailed Comments:</b>   |       | 1. To setup a physical channel as BCCH, CCCH and SDCCH4 used as cell B.                                                                                    |                                                         |     |                                                                                                       |

2. The expected HANDOVER FAILURE message received on the old channel.
3. To check whether the MS is still in the state U10, if no test case fails in the test step.
4. The expected ASSIGNMENT FAILURE message received on the old channel.

### Test Case Dynamic Behaviour

**Test Case Name:** TC\_26\_8\_1\_4\_4\_1  
**Group:** GSM\_L3\_MS\_v4160/CC/  
**Purpose:**

- 1) To verify that an MS supporting the network originated in-call modification procedure, after having received a MODIFY message with a new mode which is not the actual one and cannot be supported by the MS, rejects it by sending a MODIFY REJECT.
- 2) To verify that an MS not supporting the network originated in-call modification procedure, after having received a MODIFY message, responds with a STATUS message.

**Default:** OtherEventsFail  
**Comments:** The generic MT call setup procedure is used to bring the MS into U10 state.

| Nr | Label | Behaviour Description                                                                                       | CRef                                                            | V   | Comments |
|----|-------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-----|----------|
| 1  |       | START T_guard(300)                                                                                          |                                                                 |     |          |
| 2  |       | +BasicServiceMT(TSPX_MTBscSvcE,TSPX_MTChRateE,TSPX_MT_ImmConnE)                                             |                                                                 |     |          |
| 3  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                        |                                                                 |     |          |
| 4  |       | +PreCCSetup(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)              |                                                                 |     |          |
| 5  |       | +PreEnterCCstateU10(TCV_Setup_mt, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B) |                                                                 |     |          |
| 6  |       | L!DL_DatRqModify                                                                                            | ModifySnd(TCV_chTch, ModifyReq_01(TI_02))                       |     |          |
| 7  |       | [TSPC_InCallMod = TRUE]                                                                                     |                                                                 |     | 1.       |
| 8  |       | L?DL_DatInModifyRej                                                                                         | ModifyRejRcv(TCV_chTch, ModifyRj_01(TI_01, TCV_Setup_mt.bcap1)) | (P) |          |
| 9  |       | +CCstatuschk_05(C_U10, TI_02, TCV_chTch)                                                                    |                                                                 |     |          |
| 10 |       | +PostMainLinkRel(TCV_chTch)                                                                                 |                                                                 |     |          |
| 11 |       | [TSPC_InCallMod = FALSE]                                                                                    |                                                                 |     | 2.       |
| 12 |       | L?DL_DatInCcst                                                                                              | CCStatusRcv(CCStatus_08(TI_01, C_U10))                          | (P) |          |
| 13 |       | +CCstatuschk_05(C_U10, TI_02, TCV_chTch)                                                                    |                                                                 |     |          |
| 14 |       | +PostMainLinkRel(TCV_chTch)                                                                                 |                                                                 |     |          |

**Detailed Comments:**

1. The In-Call modification procedure is supported.
2. The In-Call modification procedure is not supported.

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                               |     |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_4_5_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                               |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                               |     |          |
| <b>Purpose:</b>             |       | 1) To verify that the procedure is initiated by the MS in the "active" state of the call. It sends a MODIFY message including the new mode to be changed to; and enters the "mobile originating modify" state. The new mode given in the MODIFY message is one of those already negotiated and agreed during the establishment phase of the call. The MODIFY originating side stops sending Bm-channel information.<br>2) To verify that upon receipt of the MODIFY COMPLETE message the MS starts sending channel information according to the new call mode and enters the "active" state. |                                                                                               |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                               |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CRef                                                                                          | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                               |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                               |     |          |
| 3                           |       | +PreModifySetup(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                               |     | 1.       |
| 4                           | body  | +CCstatuschk_05(C_U26, TCV_TI, TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                               |     |          |
| 5                           |       | L!DL_DatRqChmmo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ChmmoReqSnd(TCV_chTch, ChmomoReq_07(TCV_chtype, TCV_ChModb.mode, TSPX_TmSltDef, TSPX_TscDef)) |     |          |
| 6                           |       | L?DL_DatInChmmoAck                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ChmmoAckRcv(TCV_chTch, ChmomoAck_08(TCV_chtype, TCV_ChModb.mode, TSPX_TmSltDef, TSPX_TscDef)) | (P) | 2.       |
| 7                           |       | (TCV_Res := OC_RcsdPresent(TCV_Modify))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                               |     |          |
| 8                           |       | [TCV_Res]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                               |     |          |
| 9                           |       | L!DL_DatRqModifyCom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ModifyCmpSnd(TCV_chTch, ModifyComp_02(TCV_TI, TCV_Bcap2))                                     |     |          |
| 10                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                               |     |          |
| 11                          |       | [NOT TCV_Res]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                               |     |          |
| 12                          |       | L!DL_DatRqModifyCom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ModifyCmpSnd(TCV_chTch, ModifyComp_03(TCV_TI, TCV_Bcap2))                                     |     |          |
| 13                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                               |     |          |
| <b>localtree</b>            |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                               |     |          |
| 14                          |       | START T_dly(2000)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                               |     |          |
| 15                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                               |     |          |
| 16                          |       | +CCstatuschk_05(C_U10, TCV_TI, TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                               |     |          |
| 17                          |       | (TCV_Res := OM_BmlInfo(TCV_chTch, TCV_Setup_mo.bcap1.etc))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                               |     |          |
| 18                          |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                               | (P) | 3.       |
| 19                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                               |     |          |
| 20                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                               | (F) |          |
| 21                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                               |     |          |
| <b>Detailed Comments:</b>   |       | 1. To attempt a dual mode call and initiate incall modification.<br>2. The expected CMM ACKNOWLEDGE message received.<br>3. The MS does not stop sending Bm channel information according to the new mode.                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                               |     |          |



| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                   |                                                             |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_4_5_2                                                                                                                                                                                                                                                                                   |                                                             |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                               |                                                             |   |          |
| <b>Purpose:</b>             |       | To verify that upon receipt of the MODIFY REJECT message with the old bearer capability the MS resumes sending Bm-channel information according to the present call mode; resumes interpreting received Bm-channel information according to the present call mode; and enters the "active" state. |                                                             |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                   |                                                             |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                             | CRef                                                        | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                |                                                             |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                              |                                                             |   |          |
| 3                           |       | +PreModifySetup(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                             |                                                             |   | 1.       |
| 4                           | body  | LIDL_DatRqModifyRej                                                                                                                                                                                                                                                                               | ModifyRejRqSnd(TCV_chTch, ModifyRjRq_01(TCV_TI, TCV_Bcap1)) |   |          |
| 5                           |       | +CCstatuschk_05(C_U10, TCV_TI, TCV_chTch)                                                                                                                                                                                                                                                         |                                                             |   | 2.       |
| 6                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                       |                                                             |   |          |
| <b>Detailed Comments:</b>   |       | 1. To attempt a dual mode call and initiate incall modification.<br>2. To check whether the MS is still in the state U10 and the verdict is assigned in the test step.                                                                                                                            |                                                             |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                       |                                                           |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_4_5_3                                                                                                                                                                                                       |                                                           |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                   |                                                           |   |          |
| <b>Purpose:</b>             |       | To verify that upon receipt of the MODIFY COMPLETE message indicating a call mode which does not correspond to the requested one the MS discards it and takes no action.                                              |                                                           |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                       |                                                           |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                 | CRef                                                      | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                    |                                                           |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                  |                                                           |   |          |
| 3                           |       | +PreModifySetup(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                 |                                                           |   | 1.       |
| 4                           | body  | LIDL_DatRqModifyCom                                                                                                                                                                                                   | ModifyCmpSnd(TCV_chTch, ModifyComp_03(TCV_TI, TCV_Bcap2)) |   | 2.       |
| 5                           |       | +CCstatuschk_05(C_U26, TCV_TI, TCV_chTch)                                                                                                                                                                             |                                                           |   | 3.       |
| 6                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                           |                                                           |   |          |
| <b>Detailed Comments:</b>   |       | 1. To attempt a dual mode call.<br>2. The mode (TCV_Bcap1) does not correspond to the requested one (TCV_Bcap2).<br>3. To check whether the MS does not take any action and the verdict is assigned in the test step. |                                                           |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                    |                                                             |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_4_5_4                                                                                                                                                                                                    |                                                             |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                |                                                             |   |          |
| <b>Purpose:</b>             |       | To verify that upon receipt of the MODIFY REJECT message indicating a call mode which does not correspond to the actual one the MS discards it and takes no action.                                                |                                                             |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                    |                                                             |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                              | CRef                                                        | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                 |                                                             |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                               |                                                             |   |          |
| 3                           |       | +PreModifySetup(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                             |                                                             |   | 1.       |
| 4                           | body  | LIDL_DatRqModifyRej                                                                                                                                                                                                | ModifyRejRqSnd(TCV_chTch, ModifyRjRq_01(TCV_TI, TCV_Bcap1)) |   | 2.       |
| 5                           |       | +CCstatuschk_05(C_U26, TCV_TI, TCV_chTch)                                                                                                                                                                          |                                                             |   | 3.       |
| 6                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                        |                                                             |   |          |
| <b>Detailed Comments:</b>   |       | 1. To attempt a dual mode call.<br>2. The mode (TCV_Bcap1) does not correspond to the actual one (TCV_Bcap2).<br>3. To check whether the MS does not take any action and the verdict is assigned in the test step. |                                                             |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                       |                                         |     |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_4_5_5                                                                                                                                                                                                                                       |                                         |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                   |                                         |     |          |
| <b>Purpose:</b>             |       | To verify that upon expiration of T323 the MS shall initiate the procedures for call clearing with cause #102 "recovery on timer expiry".                                                                                                             |                                         |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                       |                                         |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                 | CRef                                    | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                    |                                         |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                  |                                         |     |          |
| 3                           |       | +PreModifySetupTimer(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                           |                                         |     | 1.       |
| 4                           | body  | L?DL_DatInDisc (TCV_Fn1 := DL_DatInDisc.fn)<br>READTIMER T_dly(TCV_Time), CANCEL T_dly                                                                                                                                                                | DiscRcv(TCV_chTch, Disconn_08(TCV_TI0)) |     | 2.       |
| 5                           |       | [(TCV_Time < 27000) OR (TCV_Time >= 33000)]                                                                                                                                                                                                           |                                         | (F) | 3.       |
| 6                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                           |                                         |     |          |
| 7                           |       | [(TCV_Time >= 27000) AND (TCV_Time < 33000)]                                                                                                                                                                                                          |                                         | (P) | 4.       |
| 8                           |       | +CCstatuschk_05(C_U11, TCV_TI, TCV_chTch)                                                                                                                                                                                                             |                                         |     |          |
| 9                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                           |                                         |     |          |
| <b>Detailed Comments:</b>   |       | 1. To attempt a dual mode call.<br>2. The expected DISCONNECT message received.<br>3. Fail, if the T323 timer value is either greater than or equal to 33 seconds, or less than 27 seconds.<br>4. Pass, if the timeout value of the T323 timer is OK. |                                         |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                             |                                                           |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_4_5_6                                                                                                                                                                                                                                                                                                                                             |                                                           |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                         |                                                           |   |          |
| <b>Purpose:</b>             |       | 1. To verify that a CC-entity of the MS in CC-state U26, "Mobile Originating Modify", after successful completion of a channel assignment procedure remains in the call state U26.<br>2. To verify that upon receipt of the MODIFY COMPLETE message the MS starts sending channel information according to the new call mode and enters the "active" state. |                                                           |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                             |                                                           |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                       | CRef                                                      | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                          |                                                           |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                        |                                                           |   |          |
| 3                           |       | +PreModifySetup(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                       |                                                           |   | 1.       |
| 4                           |       | [TCV_chtype = '00001'B]                                                                                                                                                                                                                                                                                                                                     |                                                           |   |          |
| 5                           |       | (TCV_chTch1 := C_FACCHF_A_2, TCV_sacchTch1 := C_SACCHF_A_2)                                                                                                                                                                                                                                                                                                 |                                                           |   |          |
| 6                           |       | +FullRateCh_A_TCHdef(C_Ass, TSPX_TmSltC, TSPX_TscC, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                   |                                                           |   |          |
| 7                           |       | (TCV_Null := OM_CphMd(TCV_chTch1, CphMod_01, TCV_CphKey))                                                                                                                                                                                                                                                                                                   |                                                           |   |          |
| 8                           |       | +localtree                                                                                                                                                                                                                                                                                                                                                  |                                                           |   |          |
| 9                           |       | [(TCV_chtype = '00011'B) OR (TCV_chtype = '00010'B)]                                                                                                                                                                                                                                                                                                        |                                                           |   |          |
| 10                          |       | (TCV_chTch1 := OC_SubchOfFacchh(TSPX_TCHHSubDef, C_CellA, 2), TCV_sacchTch1 := OC_SubchOfSacchh(TSPX_TCHHSubDef, C_CellA, 2))                                                                                                                                                                                                                               |                                                           |   |          |
| 11                          |       | +HalfRateCh_A_TCHdef(C_Ass, TSPX_TmSltC, TSPX_TscC, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                   |                                                           |   |          |
| 12                          |       | (TCV_Null := OM_CphMd(TCV_chTch1, CphMod_01, TCV_CphKey))                                                                                                                                                                                                                                                                                                   |                                                           |   |          |
| 13                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                  |                                                           |   |          |
|                             |       | <b>localtree</b>                                                                                                                                                                                                                                                                                                                                            |                                                           |   |          |
| 14                          |       | +assign                                                                                                                                                                                                                                                                                                                                                     |                                                           |   |          |
| 15                          |       | +CCstatuschk_05(C_U26, TCV_TI, TCV_chTch)                                                                                                                                                                                                                                                                                                                   |                                                           |   | 2.       |
| 16                          |       | (TCV_Res := OC_RcsdPresent(TCV_Modify))                                                                                                                                                                                                                                                                                                                     |                                                           |   |          |
| 17                          |       | [TCV_Res]                                                                                                                                                                                                                                                                                                                                                   |                                                           |   |          |
| 18                          |       | LIDL_DatRqModifyCom                                                                                                                                                                                                                                                                                                                                         | ModifyCmpSnd(TCV_chTch, ModifyComp_02(TCV_TI, TCV_Bcap2)) |   |          |
| 19                          |       | +localtree1                                                                                                                                                                                                                                                                                                                                                 |                                                           |   |          |
| 20                          |       | [NOT TCV_Res]                                                                                                                                                                                                                                                                                                                                               |                                                           |   |          |
| 21                          |       | LIDL_DatRqModifyCom                                                                                                                                                                                                                                                                                                                                         | ModifyCmpSnd(TCV_chTch, ModifyComp_03(TCV_TI, TCV_Bcap2)) |   |          |
| 22                          |       | +localtree1                                                                                                                                                                                                                                                                                                                                                 |                                                           |   |          |
|                             |       | <b>localtree1</b>                                                                                                                                                                                                                                                                                                                                           |                                                           |   |          |
| 23                          |       | +CCstatuschk_05(C_U10, TCV_TI, TCV_chTch1)                                                                                                                                                                                                                                                                                                                  |                                                           |   | 3.       |
| 24                          |       | +PostMainLinkRel(TCV_chTch1)                                                                                                                                                                                                                                                                                                                                |                                                           |   |          |
|                             |       | <b>assign</b>                                                                                                                                                                                                                                                                                                                                               |                                                           |   |          |
| 25                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                    |                                                           |   |          |
| 26                          |       | (TCV_AssCmd := AsgnCmd_31(TCV_chtype, TCV_ChModb, TSPX_TmSltDef, TSPX_TscDef))                                                                                                                                                                                                                                                                              |                                                           |   |          |
| 27                          |       | +AssCh_complete(TCV_chTch, TCV_chTch1, TCV_AssCmd)                                                                                                                                                                                                                                                                                                          |                                                           |   |          |
| 28                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                  |                                                           |   |          |
| 29                          |       | (TCV_AssCmd := AsgnCmd_31d(TCV_chtype, TCV_ChModb, TSPX_TmSltDef, TSPX_TscDef))                                                                                                                                                                                                                                                                             |                                                           |   |          |
| 30                          |       | +AssCh_complete(TCV_chTch, TCV_chTch1, TCV_AssCmd)                                                                                                                                                                                                                                                                                                          |                                                           |   |          |

|                                                                                                  |  |          |  |  |  |
|--------------------------------------------------------------------------------------------------|--|----------|--|--|--|
|                                                                                                  |  | _AssCmd) |  |  |  |
| <b>Detailed Comments:</b>                                                                        |  |          |  |  |  |
| 1. To attempt a dual mode call.                                                                  |  |          |  |  |  |
| 2. To check whether the MS is still in the state U26.                                            |  |          |  |  |  |
| 3. To check whether the MS is now in the state U10 and the verdict is assigned in the test step. |  |          |  |  |  |

| <b>Test Case Dynamic Behaviour</b>                                                                                                                                                                                          |       |                                                                                                                                       |                                                        |     |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-----|----------|
| <b>Test Case Name:</b> TC_26_8_1_4_5_7                                                                                                                                                                                      |       |                                                                                                                                       |                                                        |     |          |
| <b>Group:</b> GSM_L3_MS_v4160/CC/                                                                                                                                                                                           |       |                                                                                                                                       |                                                        |     |          |
| <b>Purpose:</b> To verify that a CC-entity of the MS in CC-state U26, "Mobile Originating Modify", when returning to the old channel after handover failure and having established the link, remains in the call state U26. |       |                                                                                                                                       |                                                        |     |          |
| <b>Default:</b> OtherEventsFail                                                                                                                                                                                             |       |                                                                                                                                       |                                                        |     |          |
| Nr                                                                                                                                                                                                                          | Label | Behaviour Description                                                                                                                 | CRef                                                   | V   | Comments |
| 1                                                                                                                                                                                                                           |       | START T_guard(300)                                                                                                                    |                                                        |     |          |
| 2                                                                                                                                                                                                                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                  |                                                        |     |          |
| 3                                                                                                                                                                                                                           |       | +PreModifySetup(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O) |                                                        |     | 1.       |
| 4                                                                                                                                                                                                                           |       | (TCV_chTch1 := C_FACCHF_A_2, TCV_sacchTch1 := C_SACCHF_A_2)                                                                           |                                                        |     |          |
| 5                                                                                                                                                                                                                           | body  | +FullRateCh_A_TCHdef(C_Rcv, TSPX_TmSltC, TSPX_TscC, TimingAdv_01, '000'B, '001'B, '011'B)                                             |                                                        |     | 2.       |
| 6                                                                                                                                                                                                                           |       | L!DL_DatRqHoCmd                                                                                                                       | HndOvSnd(TCV_chTch, HandOverCmd_31(TCV_slot, TCV_tsc)) |     | 3.       |
| 7                                                                                                                                                                                                                           |       | (TCV_Res := FALSE)                                                                                                                    |                                                        |     |          |
| 8                                                                                                                                                                                                                           |       | REPEAT localtree UNTIL [TCV_Res]                                                                                                      |                                                        |     |          |
| 9                                                                                                                                                                                                                           |       | L?DL_DatInHofl                                                                                                                        | HndOvFIRcv(TCV_chTch, HandOvFail_01)                   | (P) | 5.       |
| 10                                                                                                                                                                                                                          |       | +CCstatuschk_05(C_U26, TCV_TI, TCV_chTch)                                                                                             |                                                        |     | 6.       |
| 11                                                                                                                                                                                                                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                           |                                                        |     |          |
| <b>localtree</b>                                                                                                                                                                                                            |       |                                                                                                                                       |                                                        |     |          |
| 12                                                                                                                                                                                                                          |       | L?DL_RacInHoacc                                                                                                                       | HndOvAccRcv(TCV_chTch1, HandOverAcc_02(TSPX_horfA))    | (P) | 4.       |
| 13                                                                                                                                                                                                                          |       | L?DL_EstIn                                                                                                                            | DLEstInd_01                                            | (P) |          |
| <b>Detailed Comments:</b>                                                                                                                                                                                                   |       |                                                                                                                                       |                                                        |     |          |
| 1. To attempt a dual mode call.                                                                                                                                                                                             |       |                                                                                                                                       |                                                        |     |          |
| 2. To setup a receiving only TCH/F for handover.                                                                                                                                                                            |       |                                                                                                                                       |                                                        |     |          |
| 3. To handover to the channel which does not respond.                                                                                                                                                                       |       |                                                                                                                                       |                                                        |     |          |
| 4. To check that the MS sends HANDOVER ACCESS messages on the new channel.                                                                                                                                                  |       |                                                                                                                                       |                                                        |     |          |
| 5. The expected HANDOVER FAILURE message received.                                                                                                                                                                          |       |                                                                                                                                       |                                                        |     |          |
| 6. To check whether the MS is still in the state U26.                                                                                                                                                                       |       |                                                                                                                                       |                                                        |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                             |                                           |     |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_4_5_8                                                                                                                                                                                                                             |                                           |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                         |                                           |     |          |
| <b>Purpose:</b>             |       | To verify that a CC entity of a MS in CC-state U26, "Mobile Originating Modify", having received an unknown message from its peer entity returns a STATUS message.                                                                          |                                           |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                             |                                           |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                       | CRef                                      | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                          |                                           |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                        |                                           |     |          |
| 3                           |       | +PreModifySetup(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                      |                                           |     | 1.       |
| 4                           | body  | LIDL_DatRqUndefCC                                                                                                                                                                                                                           | Undef(TCV_chTch, UndefCC_02(TCV_TI))      |     | 2.       |
| 5                           |       | L?DL_DatInCcst                                                                                                                                                                                                                              | CCStatusRcv(CCStat us_08(TCV_TI0, C_U26)) | (P) | 3.       |
| 6                           |       | +CCstatuschk_05(C_U26, TCV_TI, TCV_chTch)                                                                                                                                                                                                   |                                           |     | 4.       |
| 7                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                 |                                           |     |          |
| <b>Detailed Comments:</b>   |       | 1. To attempt a dual mode call.<br>2. To send a message which message type is not defined for CC.<br>3. Received expected CC STATUS message with state U26.<br>4. To check whether the MS is still in the state U26 and assign the verdict. |                                           |     |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                           |                                             |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_1_4_5_9                                                                                                                                                                                                                                                                                                                                           |                                             |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                       |                                             |   |          |
| <b>Purpose:</b>             |       | 1) To verify that a CC entity of a MS in CC-state U26, "Mobile Originating Modify", upon receipt of a RELEASE COMPLETE message with valid cause value, shall enter CC state U0, "Null".<br><br>2)To verify that on returning to idle mode, the CC entities relating to the seven mobile originating transaction identifiers shall be in state U0, "Null". |                                             |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                           |                                             |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                     | CRef                                        | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                        |                                             |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                      |                                             |   |          |
| 3                           |       | +PreModifySetup(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                    |                                             |   | 1.       |
| 4                           | body  | +CCstatuschk_05(C_U26, TCV_TI, TCV_chTch)                                                                                                                                                                                                                                                                                                                 |                                             |   |          |
| 5                           |       | LIDL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                                          | RelComSnd(TCV_chTch, ReleaseCmp_08(TCV_TI)) |   | 2.       |
| 6                           |       | +CheckTIsInStateU0(TRUE, TCV_chTch)                                                                                                                                                                                                                                                                                                                       |                                             |   |          |
| 7                           |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                               |                                             |   |          |
| <b>Detailed Comments:</b>   |       | 1. To attempt a dual mode call and initiate incall modification.<br>2. To send RELEASE COMPLETE message.                                                                                                                                                                                                                                                  |                                             |   |          |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                          |   |                                  |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---|----------------------------------|
| <b>Test Case Name:</b>      |       | TC_26_8_2_1                                                                                                                                                                                                                                                                                                                                                                                                                               |                                          |   |                                  |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                                                                                                                                                                                                       |                                          |   |                                  |
| <b>Purpose:</b>             |       | The purpose of this test is to verify that the MS can correctly perform a call re-establishment procedure.                                                                                                                                                                                                                                                                                                                                |                                          |   |                                  |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                           |                                          |   |                                  |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                     | CRef                                     | V | Comments                         |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                        |                                          |   |                                  |
| 2                           |       | (TCV_Service := TSPX_MOBscSvcA, TCV_ChRate := TSPX_MOChRateA)                                                                                                                                                                                                                                                                                                                                                                             |                                          |   | 1.                               |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                      |                                          |   |                                  |
| 4                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                           |                                          |   |                                  |
| 5                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_ch1 := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellB), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_chtype := '00001'B, TCV_chTch1 := C_FACCHF_B_1, TCV_sacchTch_B := C_SACCHF_B_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef)) |                                          |   |                                  |
| 6                           |       | +PreEnterIdleState_11(C_Immass, TCV_slot, TCV_tsc, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                    |                                          |   |                                  |
| 7                           |       | +StartCellB_1(C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                |                                          |   |                                  |
| 8                           |       | +FullRateCh_B_1(ChMod_speech, C_Ass, TSPX_TmSlitC, TSPX_TscC, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                                       |                                          |   |                                  |
| 9                           |       | (TCV_Null := OM_CphMd(TCV_chTch, CphMod_01, TCV_CphKey), TCV_Null := OM_CphMd(TCV_chTch1, CphMod_01, TCV_CphKey))                                                                                                                                                                                                                                                                                                                         |                                          |   |                                  |
| 10                          |       | +InitCall(TCV_Service)                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          |   | A teleservice is selected.<br>If |
| 11                          |       | +BasicServiceMO(TCV_Service, TCV_ChRate)                                                                                                                                                                                                                                                                                                                                                                                                  |                                          |   |                                  |
| 12                          |       | +CCEstablishMO_SDCCH4(TimingAdv_01)                                                                                                                                                                                                                                                                                                                                                                                                       |                                          |   |                                  |
| 13                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                                                              |                                          |   | To match ChReq retrans.          |
| 14                          |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                                                                                                           | CMSerReq(CMServiceReq_04)                |   |                                  |
| 15                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                                                                 |                                          |   | Restore Normal default           |
| 16                          |       | +CCAuthenticate(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                   |                                          |   |                                  |
| 17                          |       | +CCStartCipher(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          |   |                                  |
| 18                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          |   |                                  |
| 19                          |       | <b>localtree</b><br>+SetupRcvMo(SetupInd_01)                                                                                                                                                                                                                                                                                                                                                                                              |                                          |   |                                  |
| 20                          |       | L!DL_DatRqCallProc                                                                                                                                                                                                                                                                                                                                                                                                                        | CallProc(TCV_ch, TCV_CallProc)           |   |                                  |
| 21                          |       | +AssCmdGenMO(TCV_ChRate)                                                                                                                                                                                                                                                                                                                                                                                                                  |                                          |   |                                  |
| 22                          |       | +AssCh_complete(TCV_ch, TCV_chTch, TCV_AssCmd)                                                                                                                                                                                                                                                                                                                                                                                            |                                          |   |                                  |
| 23                          |       | L!DL_DatRqAlert                                                                                                                                                                                                                                                                                                                                                                                                                           | AlertSnd(TCV_chTch, Alerting_01(TCV_TI)) |   |                                  |

|                           |      |                                                                                                                                                   |                                             |     |                         |
|---------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----|-------------------------|
| 24                        |      | L!DL_DatRqConn                                                                                                                                    | ConnSnd(TCV_chTch                           |     |                         |
| 25                        |      | L?DL_DatInConnAck                                                                                                                                 | , Connect_02(TCV_TI))<br>ConnAckRcv(Connect |     |                         |
| 26                        | body | +LowerRfLevelOfCell(C_CellA)                                                                                                                      | Ack_02(TCV_TI0))                            |     |                         |
| 27                        |      | START T_dly(5000)                                                                                                                                 |                                             |     |                         |
| 28                        |      | ?TIMEOUT T_dly                                                                                                                                    |                                             |     |                         |
| 29                        |      | +localtree1                                                                                                                                       |                                             |     |                         |
| 30                        |      | <b>localtree1</b><br>(TCV_Null := OM_StopTran(C_SACCHF_A_1,<br>"dummy"))                                                                          |                                             |     |                         |
| 31                        |      | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                  | ChReq(ChRequest_1                           | (P) | 1.                      |
| 32                        |      | ACTIVATE(OtherEventsFail_02)                                                                                                                      | 0)                                          |     | To match ChReq retrans. |
| 33                        |      | LIDL_UdatRqImmass                                                                                                                                 | ImmAss(C_AGCH_B                             |     |                         |
| 34                        |      | L?DL_EstInCmreRq                                                                                                                                  | _1,<br>ImmAsgn_06(TCV_Rr                    |     |                         |
| 35                        |      | ACTIVATE(OtherEventsFail)                                                                                                                         | , TCV_Fn, TCV_slot,                         |     |                         |
| 36                        |      | +CCStartCipher(TCV_ch1)                                                                                                                           | TCV_tsc,                                    |     |                         |
| 37                        |      | +AssCmdGenMO(TCV_ChRate)                                                                                                                          | TimingAdv_01))                              |     |                         |
| 38                        |      | +AssCh_complete(TCV_ch1,TCV_ch                                                                                                                    | CmreReq_02                                  |     | Restore Normal default  |
| 39                        |      | Tch1,TCV_AssCmd)                                                                                                                                  |                                             |     |                         |
| 40                        |      | (TCV_Res :=                                                                                                                                       |                                             |     |                         |
| 41                        |      | OO_TCHThroConnCHK())                                                                                                                              |                                             |     |                         |
| 42                        |      | [TCV_Res = FALSE]                                                                                                                                 |                                             | (F) | 2.                      |
| 43                        |      | +PostMainLinkRel(TCV_chTch1                                                                                                                       |                                             |     |                         |
| 44                        |      | )                                                                                                                                                 |                                             |     |                         |
| 45                        |      | [TCV_Res = TRUE]                                                                                                                                  |                                             | (P) |                         |
| 46                        |      | L!DL_DatRqDisc                                                                                                                                    | DiscSnd(TCV_chTch                           |     |                         |
|                           |      | L?DL_DatInRel                                                                                                                                     | 1,<br>Disconn_07(TCV_TI))                   |     |                         |
|                           |      | LIDL_DatRqRelCmp                                                                                                                                  | ReleaseRcv(Release                          |     |                         |
|                           |      | +PostMainLinkRel(TCV_c                                                                                                                            | _10(TCV_TI0))                               |     |                         |
|                           |      | hTch1)                                                                                                                                            | RelComSnd(TCV_ch                            |     |                         |
|                           |      |                                                                                                                                                   | Tch1,                                       |     |                         |
|                           |      |                                                                                                                                                   | ReleaseCmp_08(TCV                           |     |                         |
|                           |      |                                                                                                                                                   | _TI))                                       |     |                         |
| <b>Detailed Comments:</b> |      | 1. The expected call re-establishment is started. A supported teleservice is selected. If MS supports speech, the selected service is the speech. |                                             |     |                         |
|                           |      | 2. The bearer channel is not through connected, fail.                                                                                             |                                             |     |                         |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                |                                          |   |                         |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_8_2_2                                                                                                                                                                                                                                                    |                                          |   |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                            |                                          |   |                         |
| <b>Purpose:</b>             |       | The purpose of this test is to verify that the MS does not attempt call re-establishment when it is not allowed to take place because of the unavailability of a cell allowing call re-establishment.                                                          |                                          |   |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                |                                          |   |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                          | CRef                                     | V | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                             |                                          |   |                         |
| 2                           |       | (TCV_Service := TSPX_MOBscSvcB, TCV_ChRate := TSPX_MOChRateB)                                                                                                                                                                                                  |                                          |   | 1.                      |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                           |                                          |   |                         |
| 4                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                |                                          |   |                         |
| 5                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef))                                |                                          |   |                         |
| 6                           |       | +PreEnterIdleState_12(C_Immass, TCV_slot, TCV_tsc, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                         |                                          |   | 1.                      |
| 7                           |       | (TCV_Null := OM_CphMd(TCV_chTch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                       |                                          |   |                         |
| 8                           |       | +InitCall(TCV_Service)                                                                                                                                                                                                                                         |                                          |   |                         |
| 9                           |       | +BasicServiceMO(TCV_Service, TCV_ChRate)                                                                                                                                                                                                                       |                                          |   |                         |
| 10                          |       | +CCEstablishMO_SDCCH4(TimingAdv_01)                                                                                                                                                                                                                            |                                          |   |                         |
| 11                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                   |                                          |   | To match ChReq retrans. |
| 12                          |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                | CMSerReq(CMServiceReq_04)                |   |                         |
| 13                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                      |                                          |   | Restore Normal default  |
| 14                          |       | +CCAuthenticate(TCV_ch)                                                                                                                                                                                                                                        |                                          |   |                         |
| 15                          |       | +CCStartCipher(TCV_ch)                                                                                                                                                                                                                                         |                                          |   |                         |
| 16                          |       | +localtree                                                                                                                                                                                                                                                     |                                          |   |                         |
| 17                          |       | <b>localtree</b><br>+SetupRcvMo(SetupInd_01)                                                                                                                                                                                                                   |                                          |   |                         |
| 18                          |       | L!DL_DatRqCallProc                                                                                                                                                                                                                                             | CallProc(TCV_ch, TCV_CallProc)           |   |                         |
| 19                          |       | +AssCmdGenMO(TCV_ChRate)                                                                                                                                                                                                                                       |                                          |   |                         |
| 20                          |       | +AssCh_complete(TCV_ch, TCV_chTch, TCV_AssCmd)                                                                                                                                                                                                                 |                                          |   |                         |
| 21                          |       | L!DL_DatRqAlert                                                                                                                                                                                                                                                | AlertSnd(TCV_chTch, Alerting_01(TCV_TI)) |   |                         |
| 22                          |       | L!DL_DatRqConn                                                                                                                                                                                                                                                 | ConnSnd(TCV_chTch, Connect_02(TCV_TI))   |   |                         |
| 23                          |       | L?DL_DatInConnAck                                                                                                                                                                                                                                              | ConnAckRcv(ConnectAck_02(TCV_TI0))       |   |                         |
| 24                          |       | (TCV_Null := OM_StopTran(C_SACCHF_A_1, "dummy"))                                                                                                                                                                                                               |                                          |   |                         |
| 25                          |       | START T_dly(30000)                                                                                                                                                                                                                                             |                                          |   |                         |
| 26                          |       | L?DL_RaInChRq CANCEL T_dly                                                                                                                                                                                                                                     | ChReq(ChRequest_02)                      | F | 2.                      |
| 27                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                 |                                          | P | 3.                      |
| <b>Detailed Comments:</b>   |       | <p>1. Default parameters, call reestablishment not allowed. A supported teleservice is selected. If MS supports speech, the selected service is the speech.</p> <p>2. Re-establishment is attempted, fail.</p> <p>3. No re-establishment attempting, pass.</p> |                                          |   |                         |



| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                          |                                          |   |                         |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_8_2_3                                                                                                                                                                                                                                              |                                          |   |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                                                                                                      |                                          |   |                         |
| <b>Purpose:</b>             |       | The purpose of this test is to verify that the MS does not attempt call re-establishment when it is not allowed to take place because of the call control state.                                                                                         |                                          |   |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                          |                                          |   |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                    | CRef                                     | V | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                       |                                          |   |                         |
| 2                           |       | (TCV_Service := TSPX_MOBscSvcA, TCV_ChRate := TSPX_MOChRateA)                                                                                                                                                                                            |                                          |   | 1.                      |
| 3                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                     |                                          |   |                         |
| 4                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                          |                                          |   |                         |
| 5                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_chtype := '00001'B, TCV_CphKey := OC_CphKeyGen( TSPX_Ki, TSPX_RANDDef)) |                                          |   |                         |
| 6                           |       | +PreEnterIdleState_11(C_Immass,TCV_slot, TCV_tsc, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                     |                                          |   |                         |
| 7                           |       | (TCV_Null := OM_CphMd( TCV_chTch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                |                                          |   |                         |
| 8                           |       | +InitCall(TCV_Service)                                                                                                                                                                                                                                   |                                          |   |                         |
| 9                           |       | +BasicServiceMO(TCV_Service, TCV_ChRate)                                                                                                                                                                                                                 |                                          |   |                         |
| 10                          |       | +CCEstablishMO_SDCCH4(TimingAdv_01)                                                                                                                                                                                                                      |                                          |   |                         |
| 11                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                             |                                          |   | To match ChReq retrans. |
| 12                          |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                          | CMSerReq(CMSerReq_04)                    |   |                         |
| 13                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                |                                          |   | Restore Normal default  |
| 14                          |       | +CCAuthenticate( TCV_ch)                                                                                                                                                                                                                                 |                                          |   |                         |
| 15                          |       | +CCStartCipher( TCV_ch)                                                                                                                                                                                                                                  |                                          |   |                         |
| 16                          |       | +localtree                                                                                                                                                                                                                                               |                                          |   |                         |
| 17                          |       | <b>localtree</b>                                                                                                                                                                                                                                         |                                          |   |                         |
| 17                          |       | +SetupRcvMo( SetupInd_01)                                                                                                                                                                                                                                |                                          |   |                         |
| 18                          |       | L!DL_DatRqCallProc                                                                                                                                                                                                                                       | CallProc(TCV_ch, TCV_CallProc)           |   |                         |
| 19                          |       | +AssCmdGenMO(TCV_ChRate)                                                                                                                                                                                                                                 |                                          |   |                         |
| 20                          |       | +AssCh_complete(TCV_ch,TCV_chTch,TCV_AssCmd)                                                                                                                                                                                                             |                                          |   |                         |
| 21                          |       | LIDL_DatRqAlert                                                                                                                                                                                                                                          | AlertSnd(TCV_chTch, Alerting_01(TCV_TI)) |   |                         |
| 22                          | body  | (TCV_Null := OM_StopTran(C_SACCHF_A_1, "dummy"))                                                                                                                                                                                                         |                                          |   |                         |
| 23                          |       | START T_dly(30000)                                                                                                                                                                                                                                       |                                          |   |                         |
| 24                          |       | L?DL_RaInChRq CANCEL T_dly                                                                                                                                                                                                                               | ChReq(ChRequest_02)                      | F | 2.                      |
| 25                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                           |                                          | P | 3.                      |
| <b>Detailed Comments:</b>   |       | 1. Default parameters, reestablishment allowed.<br>2. Re-establishment is attempted, fail.<br>3. No re-establishment attempting, pass.                                                                                                                   |                                          |   |                         |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                  |                                                   |     |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_8_3                                                                                                                                                                        |                                                   |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/CC/                                                                                                                                                              |                                                   |     |          |
| <b>Purpose:</b>             |       | To verify that inclusion of the 'user-user' information element in a either of the down link messages, SETUP or DISCONNECT causes no adverse effects on the operation of the MS. |                                                   |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                  |                                                   |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                            | CRef                                              | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                               |                                                   |     |          |
| 2                           |       | +BasicServiceMT(TSPX_MTBscSvcA,TSPX_MTChRateA,TSPX_MT_ImmConnA)                                                                                                                  |                                                   |     |          |
| 3                           |       | (TCV_Setup_mt.uu := TSPX_UuInfo,<br>TCV_Setup_mt.sig := Signal_01)                                                                                                               |                                                   |     |          |
| 4                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                             |                                                   |     |          |
| 5                           |       | +PreCCSetup(C_Immconn, TCV_slot,<br>TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B,<br>'001'B, '011'B, '00'O)                                                                            |                                                   |     |          |
| 6                           |       | +CCEstablishMT_SDCCH4(TimingAdv_01)                                                                                                                                              |                                                   |     |          |
| 7                           |       | +CCAuthenticate(TCV_ch)                                                                                                                                                          |                                                   |     |          |
| 8                           |       | +CCStartCipher(TCV_ch)                                                                                                                                                           |                                                   |     |          |
| 9                           | body  | LIDL_DatRqSetup                                                                                                                                                                  | SetupSnd(TCV_ch,<br>TCV_Setup_mt)                 |     |          |
| 10                          |       | L?DL_DatInCallCo                                                                                                                                                                 | CallCfm(CallConfirm_01)                           | (P) | 1.       |
| 11                          |       | [TCV_ImmConn = TRUE]                                                                                                                                                             |                                                   |     |          |
| 12                          |       | L?DL_DatInConn                                                                                                                                                                   | ConnRcv(Connect_01)                               |     |          |
| 13                          |       | +localtree                                                                                                                                                                       |                                                   |     |          |
| 14                          |       | [TCV_ImmConn = FALSE]                                                                                                                                                            |                                                   |     |          |
| 15                          |       | L?DL_DatInAlert                                                                                                                                                                  | AlertRcv(AlertingInd_02(TI_01))                   |     |          |
| 16                          |       | (TCV_Null := OO_HookOff())                                                                                                                                                       |                                                   |     |          |
| 17                          |       | L?DL_DatInConn                                                                                                                                                                   | ConnRcv(Connect_01)                               |     |          |
| 18                          |       | +localtree                                                                                                                                                                       |                                                   |     |          |
| 19                          |       | <b>localtree</b><br>+CCAssignTCH(C_Ass, TSPX_TmSltDef,<br>TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                     |                                                   |     |          |
| 20                          |       | LIDL_DatRqConnAck                                                                                                                                                                | ConnAckSnd(TCV_ch<br>Tch, ConnectAck_01)          |     |          |
| 21                          |       | START T_dly(30000)                                                                                                                                                               |                                                   |     |          |
| 22                          |       | ?TIMEOUT T_dly                                                                                                                                                                   |                                                   |     |          |
| 23                          |       | LIDL_DatRqDisc                                                                                                                                                                   | DiscSnd(TCV_chTch,<br>Disconn_09)                 |     |          |
| 24                          |       | L?DL_DatInRel                                                                                                                                                                    | ReleaseRcv(Release_10(TI_01))                     | (P) | 2.       |
| 25                          |       | LIDL_DatRqRelCmp                                                                                                                                                                 | RelComSnd(TCV_ch<br>Tch,<br>ReleaseCmp_08(TI_02)) |     |          |
| 26                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                      |                                                   |     |          |
| <b>Detailed Comments:</b>   |       | 1. The MS responds to the SETUP message with user-user information IE correctly.<br>2. The MS responds to the DISCONNECT message with user-user information IE correctly.        |                                                   |     |          |

## Test Group StructureProc

## Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_26_9_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Group:</b>          | GSM_L3_MS_v4160/StructureProc/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purpose:</b>        | <p>1) To verify that the MS in MM state "idle, updated" with a TMSI assigned, when made to initiate a call for a selected teleservice that is supported by the MS as declared in a PICS/PIXIT statement, displays the dialled number in the way described in a PICS/PIXIT statement.</p> <p>2) To verify that the MS in MM state "idle, updated" and in RR idle mode, with a TMSI assigned, when made to initiate a call for a selected teleservice that is supported by the MS as declared in a PICS/PIXIT statement, starts to initiate an immediate assignment procedure by sending the CHANNEL REQUEST message with correct establishment cause.</p> <p>3) To verify that subsequently after receipt of an IMMEDIATE ASSIGNMENT message allocating an SDCCH, after completion of establishment of the main signalling link, after having sent a CM SERVICE REQUEST message, after having successfully performed the authentication and cipher mode setting procedures, the MS sends a SETUP message with correct parameters.</p> <p>4) To verify that subsequently, after receipt of a CALL PROCEEDING message and of an ASSIGNMENT COMMAND message allocating an appropriate TCH, after having completed the traffic channel early assignment procedure by replying with the ASSIGNMENT COMPLETE message, after receipt of an ALERTING message and a CONNECT message, the MS returns a CONNECT ACKNOWLEDGE message.</p> <p>5) To verify that subsequently the MS has attached the user connection to the radio path. (This is checked by verifying that there is a point in time after transmission of the first L2 frame containing the (complete) CONNECT message, where the MS is sending appropriate speech or data frames whenever it doesn't have to transmit or acknowledge an I frame on layer 2 of the FACCH.)</p> <p>6) To verify that subsequently upon the network initiating call clearing by sending a DISCONNECT message, the MS proceed to release the call with RELEASE.</p> <p>7) To verify that subsequently, on receipt of a RELEASE COMPLETE message followed by a CHANNEL RELEASE message, the MS disconnects the main signalling link.</p> <p>These test purposes are tested for all rates supported by the MS (full rate/half rate).</p> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| Nr | Label | Behaviour Description                                                                                                                                                                                                                                                       | CRef | V | Comments |
|----|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| 1  |       | START T_guard(300)                                                                                                                                                                                                                                                          |      |   |          |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                        |      |   |          |
| 3  |       | +IdleUpdated(C_CellA, C_Imm, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                |      |   |          |
| 4  | body  | +testfullrate                                                                                                                                                                                                                                                               |      |   | 1.       |
| 5  |       | [TSPC_DualRate = TRUE]                                                                                                                                                                                                                                                      |      |   |          |
| 6  |       | +testhalfrate                                                                                                                                                                                                                                                               |      |   | 2.       |
| 7  |       | [TSPC_DualRate = FALSE]                                                                                                                                                                                                                                                     |      |   |          |
| 8  |       | <b>testfullrate</b><br>(TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDA), TCV_chtype:= '00001'B) |      |   |          |
| 9  |       | +PreEnterIdleState_13(C_Imm, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                   |      |   | 3.       |
| 10 |       | (TCV_Null := OM_CphMd(TCV_chTch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                                    |      |   |          |
| 11 |       | (TCV_Null := OO_DialCalledNum())                                                                                                                                                                                                                                            |      |   | 4.       |
| 12 |       | [TSPC_CalledNumDisp = TRUE]                                                                                                                                                                                                                                                 |      |   |          |

|    |                                                                                                                                                                      |                                                                                      |                         |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------|
| 13 | (TCV_Res := OO_CalledNumCHK())                                                                                                                                       |                                                                                      | 5.                      |
| 14 | [TCV_Res = FALSE]                                                                                                                                                    | (F)                                                                                  |                         |
| 15 | +AttmpFullRateCall                                                                                                                                                   |                                                                                      | 6.                      |
| 16 | +BasicServiceMO(TSPX_MO_BscSv<br>c_FRCall, C_Full)                                                                                                                   |                                                                                      |                         |
| 17 | +localtree                                                                                                                                                           |                                                                                      |                         |
| 18 | [TCV_Res = TRUE]                                                                                                                                                     | (P)                                                                                  |                         |
| 19 | +AttmpFullRateCall                                                                                                                                                   |                                                                                      | 6.                      |
| 20 | +BasicServiceMO(TSPX_MO_BscSv<br>c_FRCall, C_Full)                                                                                                                   |                                                                                      |                         |
| 21 | +localtree                                                                                                                                                           |                                                                                      |                         |
| 22 | [TSPC_CalledNumDisp = FALSE]                                                                                                                                         |                                                                                      |                         |
| 23 | +AttmpFullRateCall                                                                                                                                                   |                                                                                      |                         |
| 24 | +BasicServiceMO(TSPX_MO_BscSvc_F<br>RCall, C_Full)                                                                                                                   |                                                                                      |                         |
| 25 | +localtree                                                                                                                                                           |                                                                                      |                         |
|    | <b>testhalfrate</b>                                                                                                                                                  |                                                                                      |                         |
| 26 | (TCV_chTch :=<br>OC_SubchOffFacch(TSPX_TCHHSubDef, C_CellA,<br>1), TCV_sacchTch :=<br>OC_SubchOfSacchh(TSPX_TCHHSubDef, C_CellA,<br>1), TCV_chtype:=TSPX_TCHHSubDef) |                                                                                      |                         |
| 27 | +HalfRateCh_A_def( C_Ass, TSPX_TmSlitDef,<br>TSPX_TscDef, TimingAdv_01, '000'B, '001'B,<br>'011'B)                                                                   |                                                                                      | 7.                      |
| 28 | (TCV_Null := OM_CphMd(TCV_chTch,<br>CphMod_01, TCV_CphKey))                                                                                                          |                                                                                      | 1.                      |
| 29 | (TCV_Null := OO_DialCalledNum())                                                                                                                                     |                                                                                      | 4.                      |
| 30 | [TSPC_CalledNumDisp = TRUE]                                                                                                                                          |                                                                                      |                         |
| 31 | (TCV_Res := OO_CalledNumCHK())                                                                                                                                       |                                                                                      | 5.                      |
| 32 | [TCV_Res = FALSE]                                                                                                                                                    | (F)                                                                                  |                         |
| 33 | +AttmpHalfRateCall                                                                                                                                                   |                                                                                      | 6.                      |
| 34 | +BasicServiceMO(TSPX_MO_BscSv<br>c_HRCall, C_Half)                                                                                                                   |                                                                                      |                         |
| 35 | +localtree                                                                                                                                                           |                                                                                      |                         |
| 36 | [TCV_Res = TRUE]                                                                                                                                                     | (P)                                                                                  |                         |
| 37 | +AttmpHalfRateCall                                                                                                                                                   |                                                                                      | 6.                      |
| 38 | +BasicServiceMO(TSPX_MO_BscSv<br>c_HRCall, C_Half)                                                                                                                   |                                                                                      |                         |
| 39 | +localtree                                                                                                                                                           |                                                                                      |                         |
| 40 | [TSPC_CalledNumDisp = FALSE]                                                                                                                                         |                                                                                      |                         |
| 41 | +AttmpHalfRateCall                                                                                                                                                   |                                                                                      |                         |
| 42 | +BasicServiceMO(TSPX_MO_BscSvc_H<br>RCall, C_Half)                                                                                                                   |                                                                                      |                         |
| 43 | +localtree                                                                                                                                                           |                                                                                      |                         |
|    | <b>localtree</b>                                                                                                                                                     |                                                                                      |                         |
| 44 | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                     | ChReq_04                                                                             | (P)                     |
| 45 | ACTIVATE(OtherEventsFail_02)                                                                                                                                         |                                                                                      | To match ChReq retrans. |
| 46 | LIDL_UdatRqImmss                                                                                                                                                     | ImmAss_01Def(TCV_<br>agch, TCV_Rr,<br>TCV_Fn, TCV_slot,<br>TCV_tsc,<br>TimingAdv_01) |                         |
| 47 | L?DL_EstInCmsRq                                                                                                                                                      | CmsReq_04                                                                            |                         |
| 48 | ACTIVATE(OtherEventsFail)                                                                                                                                            |                                                                                      | Restore Normal default  |
| 49 | L!DL_DatRqAuthRq                                                                                                                                                     | AuthReq_05(TCV_ch)                                                                   |                         |
| 50 | L?DL_DatInAuthRes(TCV_Sres:=DL_DatI<br>nAuthRes.msg.sres)                                                                                                            | AuthRes_01                                                                           |                         |
| 51 | (TCV_Res :=<br>OC_ChkSRES(TCV_Sres, TSPX_Ki,<br>TSPX_RANDA))                                                                                                         |                                                                                      |                         |
| 52 | [TCV_Res = FALSE]                                                                                                                                                    | (F)                                                                                  |                         |
| 53 | +RestoreCphKey(TCV_ch)                                                                                                                                               |                                                                                      |                         |
| 54 | +PostMainLinkRel(TCV_ch)                                                                                                                                             |                                                                                      |                         |
| 55 | [TCV_Res = TRUE]                                                                                                                                                     | (P)                                                                                  |                         |

|    |                                                             |                                           |     |    |
|----|-------------------------------------------------------------|-------------------------------------------|-----|----|
| 56 | +localtree1                                                 |                                           |     |    |
|    | <b>localtree1</b>                                           |                                           |     |    |
| 57 | (TCV_Null := OM_CphMdChg(TCV_ch, CphMod_01,<br>TCV_CphKey)) |                                           |     |    |
| 58 | L!DL_DatRqCphmCmd                                           | CphCmd_01(TCV_ch)                         |     |    |
| 59 | L?DL_DatInCphmCom                                           | CphCmp_01                                 |     |    |
| 60 | +SetupRcvMo(SetupInd_03)                                    |                                           |     |    |
| 61 | L!DL_DatRqCallProc                                          | CallProc(TCV_ch,<br>TCV_CallProc)         | (P) |    |
| 62 | +AssCmdGenMO(TCV_ChRate)                                    |                                           |     |    |
| 63 | +AssCh_complete(TCV_ch,TCV_chTch,T<br>CV_AssCmd)            |                                           |     | 8. |
| 64 | +localtree2                                                 |                                           |     |    |
|    | <b>localtree2</b>                                           |                                           |     |    |
| 65 | L!DL_DatRqAlert                                             | Alert_01(TCV_TI,<br>TCV_chTch)            |     |    |
| 66 | [TSPC_AlertInd = TRUE]                                      |                                           |     |    |
| 67 | (TCV_Res := OO_AltIndCHK())                                 |                                           |     |    |
| 68 | [TCV_Res = FALSE]                                           |                                           | (F) |    |
| 69 | +RestoreCphKey(TCV_chTch)                                   |                                           |     |    |
| 70 | +PostMainLinkRel(TCV_chTch)                                 |                                           |     |    |
| 71 | [TCV_Res = TRUE]                                            |                                           |     |    |
| 72 | +localtree3                                                 |                                           |     |    |
| 73 | [TSPC_AlertInd = FALSE]                                     |                                           |     |    |
| 74 | +localtree3                                                 |                                           |     |    |
|    | <b>localtree3</b>                                           |                                           |     |    |
| 75 | L!DL_DatRqConn                                              | Conn_01(TCV_TI,<br>TCV_chTch)             |     |    |
| 76 | L?DL_DatInConnAck                                           | ConnAckRcv_01(TCV<br>_TI0)                | (P) |    |
| 77 | (TCV_Res := OO_TCHthroConnCHK())                            |                                           |     |    |
| 78 | [TCV_Res = FALSE]                                           |                                           | (F) |    |
| 79 | +RestoreCphKey(TCV_chTch)                                   |                                           |     |    |
| 80 | +PostMainLinkRel(TCV_chTch)                                 |                                           |     |    |
| 81 | [TCV_Res = TRUE]                                            |                                           | (P) |    |
| 82 | L!DL_DatRqDisc                                              | DiscSnd(TCV_chTch,<br>Disconn_07(TCV_TI)) |     |    |
| 83 | L?DL_DatInRel                                               | ReleaseInd_06(TCV_<br>TI0)                | (P) |    |
| 84 | L!DL_DatRqRelCmp                                            | RelCmpRq_05(TCV_<br>TI, TCV_chTch)        |     |    |
| 85 | +RestoreCphKey(TCV_chTch)                                   |                                           |     |    |
| 86 | +PostMainLinkRel(TCV_chTch)                                 |                                           |     |    |

**Detailed Comments:**

1. To perform the test on full rate channel.
2. To perform the test on half rate channel.
3. To setup two physical channels, one for combined BCCH, CCCh and SDCHH4, another one for full rate traffic channel.
4. To enter the called party number.
5. To check whether the MS displays the called party number correctly.
6. To initiate the call.
7. To setup the previous full rate traffic channel into half rate traffic channel.
8. Early assignment.

### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_26_9_3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Group:</b>          | GSM_L3_MS_v4160/StructureProc/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Purpose:</b>        | <p>1) To verify that the MS in MM state "idle, updated" and in RR idle mode with a TMSI assigned, when made to initiate a call for a selected teleservice that is supported by the MS as declared in a PICS/PIXIT statement, starts to initiate an immediate assignment procedure by sending the CHANNEL REQUEST message.</p> <p>2) To verify that subsequently after receipt of an IMMEDIATE ASSIGNMENT message allocating an SDCCH, after completion of establishment of the main signalling link, after having sent a CM SERVICE REQUEST message, after having successfully performed authentication and cipher mode setting procedures, after having sent a SETUP message, after having received a CALL PROCEEDING message followed by an ALERTING message and an ASSIGNMENT COMMAND message allocating an appropriate TCH, the MS sends an ASSIGNMENT COMPLETE message.</p> <p>3) To verify that subsequently, after the suite of actions specified in test purposes 1 and 2, the MS after receiving a CONNECT message returns a CONNECT ACKNOWLEDGE message.</p> <p>4) To verify that after the suite of actions specified in test purposes 1 and 2, the MS after receiving a CONNECT message attaches the user connection to the radio path. (This is checked by verifying that there is a point in time after transmission of the first L2 frame containing the (complete) CONNECT message, where the MS is sending appropriate speech or data frames whenever it doesn't have to transmit or acknowledge an I frame on layer 2 of the FACCH.)</p> <p>These test purposes are tested for all rates supported by the MS (full rate/half rate).</p> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

| Nr | Label | Behaviour Description                                                                                                                                                                                                                                                       | CRef | V   | Comments |
|----|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|----------|
| 1  |       | START T_guard(300)                                                                                                                                                                                                                                                          |      |     |          |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                        |      |     |          |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                             |      |     |          |
| 4  | body  | +testfullrate                                                                                                                                                                                                                                                               |      |     | 1.       |
| 5  |       | [TSPC_DualRate = TRUE]                                                                                                                                                                                                                                                      |      |     |          |
| 6  |       | +testhalfrate                                                                                                                                                                                                                                                               |      |     | 2.       |
| 7  |       | [TSPC_DualRate = FALSE]                                                                                                                                                                                                                                                     |      |     |          |
| 8  |       | <b>testfullrate</b><br>(TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDA), TCV_chtype:= '00001'B) |      |     |          |
| 9  |       | +PreEnterIdleState_13(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                 |      |     | 3.       |
| 10 |       | (TCV_Null := OM_CphMd(TCV_chTch, CphMod_01, TCV_CphKey), TCV_Null := OM_ChMdModi(TCV_chTch, TCV_ChMod))                                                                                                                                                                     |      |     |          |
| 11 |       | (TCV_Null := OO_DialCalledNum())                                                                                                                                                                                                                                            |      |     | 4.       |
| 12 |       | [TSPC_CalledNumDisp = TRUE]                                                                                                                                                                                                                                                 |      |     |          |
| 13 |       | (TCV_Res := OO_CalledNumCHK())                                                                                                                                                                                                                                              |      |     | 5.       |
| 14 |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                           |      | (F) |          |
| 15 |       | +AttmpFullRateCall                                                                                                                                                                                                                                                          |      |     | 6.       |
| 16 |       | +BasicServiceMO(TSPX_MO_BscSv c_FRCall, C_Full)                                                                                                                                                                                                                             |      |     |          |
| 17 |       | +localtree(C_Full)                                                                                                                                                                                                                                                          |      |     |          |
| 18 |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                            |      | (P) |          |
| 19 |       | +AttmpFullRateCall                                                                                                                                                                                                                                                          |      |     | 6.       |
| 20 |       | +BasicServiceMO(TSPX_MO_BscSv c_FRCall, C_Full)                                                                                                                                                                                                                             |      |     |          |

|    |                                                                                                                                                                      |                                                                                      |                         |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------|
| 21 | +localtree(C_Full)                                                                                                                                                   |                                                                                      |                         |
| 22 | [TSPC_CalledNumDisp = FALSE]                                                                                                                                         |                                                                                      |                         |
| 23 | +AttmpFullRateCall                                                                                                                                                   |                                                                                      |                         |
| 24 | +BasicServiceMO(TSPX_MO_BscSvc_F<br>RCall, C_Full)                                                                                                                   |                                                                                      |                         |
| 25 | +localtree(C_Full)                                                                                                                                                   |                                                                                      |                         |
|    | <b>testhalfrate</b>                                                                                                                                                  |                                                                                      |                         |
| 26 | (TCV_chTch :=<br>OC_SubchOfFacchh(TSPX_TCHHSubDef, C_CellA,<br>1), TCV_sacchTch :=<br>OC_SubchOfSacchh(TSPX_TCHHSubDef, C_CellA,<br>1), TCV_chtype:=TSPX_TCHHSubDef) |                                                                                      |                         |
| 27 | +HalfRateCh_A_def( C_Ass, TSPX_TmSlitDef,<br>TSPX_TscDef, TimingAdv_01, '000'B, '001'B,<br>'011'B)                                                                   |                                                                                      | 7.                      |
| 28 | (TCV_Null := OM_CphMd(TCV_chTch,<br>CphMod_01, TCV_CphKey), TCV_Null :=<br>OM_ChMdModi(TCV_chTch, TCV_ChMod))                                                        |                                                                                      |                         |
| 29 | (TCV_Null := OO_DialCalledNum())                                                                                                                                     |                                                                                      | 4.                      |
| 30 | [TSPC_CalledNumDisp = TRUE]                                                                                                                                          |                                                                                      |                         |
| 31 | (TCV_Res := OO_CalledNumCHK())                                                                                                                                       |                                                                                      | 5.                      |
| 32 | [TCV_Res = FALSE]                                                                                                                                                    | (F)                                                                                  |                         |
| 33 | +AttmpHalfRateCall                                                                                                                                                   |                                                                                      | 6.                      |
| 34 | +localtree(C_Half)                                                                                                                                                   |                                                                                      |                         |
| 35 | [TCV_Res = TRUE]                                                                                                                                                     | (P)                                                                                  |                         |
| 36 | +AttmpHalfRateCall                                                                                                                                                   |                                                                                      | 6.                      |
| 37 | +localtree(C_Half)                                                                                                                                                   |                                                                                      |                         |
| 38 | [TSPC_CalledNumDisp = FALSE]                                                                                                                                         |                                                                                      |                         |
| 39 | +AttmpHalfRateCall                                                                                                                                                   |                                                                                      |                         |
| 40 | +localtree(C_Half)                                                                                                                                                   |                                                                                      |                         |
|    | <b>localtree(rate:IA5String)</b>                                                                                                                                     |                                                                                      |                         |
| 41 | L?DL_RaclnChRq (TCV_Rr := DL_RaclnChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaclnChRq.fn)                                                                                  | ChReq_04                                                                             | (P)                     |
| 42 | ACTIVATE(OtherEventsFail_02)                                                                                                                                         |                                                                                      | To match ChReq retrans. |
| 43 | LIDL_UdatRqImmss                                                                                                                                                     | ImmAss_01Def(TCV_<br>agch, TCV_Rr,<br>TCV_Fn, TCV_slot,<br>TCV_tsc,<br>TimingAdv_01) |                         |
| 44 | L?DL_EstlnCmsRq                                                                                                                                                      | CmserReq_04                                                                          |                         |
| 45 | ACTIVATE(OtherEventsFail)                                                                                                                                            |                                                                                      | Restore Normal default  |
| 46 | LIDL_DatRqAuthRq                                                                                                                                                     | AuthReq_05(TCV_ch)                                                                   |                         |
| 47 | L?DL_DatlnAuthRes (TCV_Sres :=<br>DL_DatlnAuthRes.msg.sres)                                                                                                          | AuthRes_01                                                                           |                         |
| 48 | (TCV_Res :=<br>OC_ChkSRES(TCV_Sres, TSPX_Ki,<br>TSPX_RANDA))                                                                                                         |                                                                                      |                         |
| 49 | [TCV_Res = FALSE]                                                                                                                                                    |                                                                                      | (F)                     |
| 50 | +RestoreCphKey(TCV_ch)                                                                                                                                               |                                                                                      |                         |
| 51 | +PostMainLinkRel(TCV_ch)                                                                                                                                             |                                                                                      |                         |
| 52 | [TCV_Res = TRUE]                                                                                                                                                     |                                                                                      |                         |
| 53 | +localtree1(rate)                                                                                                                                                    |                                                                                      |                         |
|    | <b>localtree1(rate:IA5String)</b>                                                                                                                                    |                                                                                      |                         |
| 54 | (TCV_Null := OM_CphMdChg(TCV_ch, CphMod_01,<br>TCV_CphKey))                                                                                                          |                                                                                      |                         |
| 55 | LIDL_DatRqCphmCmd                                                                                                                                                    | CphCmd_01(TCV_ch)                                                                    |                         |
| 56 | L?DL_DatlnCphmCom                                                                                                                                                    | CphCmp_01                                                                            |                         |
| 57 | +SetupRcvMo(SetupInd_03)                                                                                                                                             |                                                                                      |                         |
| 58 | LIDL_DatRqCallProc                                                                                                                                                   | CallProc(TCV_ch,<br>TCV_CallProc)                                                    | (P)                     |
| 59 | LIDL_DatRqAlert                                                                                                                                                      | Alert_01(TCV_TI,<br>TCV_ch)                                                          |                         |
| 60 | [TSPC_AlertInd = TRUE]                                                                                                                                               |                                                                                      |                         |
| 61 | (TCV_Res := OO_AltIndCHK())                                                                                                                                          |                                                                                      |                         |
| 62 | [TCV_Res = FALSE]                                                                                                                                                    |                                                                                      | (F)                     |

|                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           |     |  |
|---------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----|--|
| 63                        |  | +RestoreCphKey(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |     |  |
| 64                        |  | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |     |  |
| 65                        |  | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                           |     |  |
| 66                        |  | +localtree2(rate)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |     |  |
| 67                        |  | [TSPC_AlertInd = FALSE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |     |  |
| 68                        |  | +localtree2(rate)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |     |  |
|                           |  | <b>localtree2(rate:IA5String)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |     |  |
| 69                        |  | +AssCmdGenMO(rate)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                           |     |  |
| 70                        |  | +AssCh_complete(TCV_ch,TCV_chTch,TCV_AssC<br>md)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                           |     |  |
| 71                        |  | +localtree3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |     |  |
|                           |  | <b>localtree3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |     |  |
| 72                        |  | L!DL_DatRqConn                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Conn_01(TCV_TI,<br>TCV_chTch)             |     |  |
| 73                        |  | L?DL_DatInConnAck                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ConnAckRcv_01(TCV<br>_TI0)                | (P) |  |
| 74                        |  | (TCV_Res := OO_TCHThroConnCHK())                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                           |     |  |
| 75                        |  | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           | (F) |  |
| 76                        |  | +RestoreCphKey(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |     |  |
| 77                        |  | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |     |  |
| 78                        |  | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                           | (P) |  |
| 79                        |  | L!DL_DatRqDisc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DiscSnd(TCV_chTch,<br>Disconn_07(TCV_TI)) |     |  |
| 80                        |  | L?DL_DatInRel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ReleaseInd_06(TCV_<br>TI0)                | (P) |  |
| 81                        |  | L!DL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RelCmpRq_05(TCV_<br>TI, TCV_chTch)        |     |  |
| 82                        |  | +RestoreCphKey(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |     |  |
| 83                        |  | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |     |  |
| <b>Detailed Comments:</b> |  | <ol style="list-style-type: none"> <li>1. To perform the test on full rate channel.</li> <li>2. To perform the test on half rate channel.</li> <li>3. To setup two physical channels, one for combined BCCH, CCch and SDCHH4, another one for full rate traffic channel.</li> <li>4. To enter the called party number.</li> <li>5. To check whether the MS displays the called party number correctly.</li> <li>6. To initiate the call.</li> <li>7. To setup the previous full rate traffic channel into half rate traffic channel.</li> <li>8. Later assignment</li> </ol> |                                           |     |  |



**Test Case Dynamic Behaviour**

**Test Case Name:** TC\_26\_9\_4  
**Group:** GSM\_L3\_MS\_v4160/StructureProc/  
**Purpose:**

- 1) To verify that the MS in MM state "idle, updated" and in RR idle mode with a TMSI assigned, after being paged by the network on the correct paging subchannel, after initiating the immediate assignment procedure by sending the CHANNEL REQUEST message, after receipt of an IMMEDIATE ASSIGNMENT message allocating an SDCCH, after having sent a PAGING RESPONSE message on the allocated SDCCH, after having performed successful authentication and cipher mode setting procedures, after receipt of a SETUP message not containing a signal information element, returns a CALL CONFIRMED message.
- 2) To verify that subsequently, the SS sending an ASSIGNMENT COMMAND message, the MS successfully continues a mobile terminating call establishment with early assignment of traffic channel
  - a) by replying to the ASSIGNMENT command with an ASSIGNMENT COMPLETE message, and
  - b) by continuing the call establishment by either sending one or two CONNECT messages (with equal N(SD)) or sending an ALERTING message, steps a) and b) being performed in any permitted interleaving.
- 3) To verify that if after sending a CALL PROCEEDING message, the MS sends an ALERTING message during MTC establishment with early assignment, it generates an alerting indication.
- 4) To verify that if an ALERTING had been sent, subsequently, when the user accepts the call (possibly internal action as declared in PICS/PIXIT statement), the MS returns a CONNECT message.
- 5) To verify that the MS:
  - if the call is a speech call: after sending the CONNECT message has through connected the TCH in both directions (this is checked by verifying that after transmission of the first L2 frame containing the (complete) CONNECT message, the MS is sending appropriate speech or data frames whenever it doesn't have to transmit or acknowledge an I frame on layer 2 of the FACCH.)
  - if the call is a data call: after receipt of a subsequent CONNECT ACKNOWLEDGE message through connects the TCH in both directions (this is checked by verifying that there is a point in time after transmission of the first L2 frame containing the (complete) CONNECT ACKNOWLEDGE message, where the MS is sending appropriate speech or data frames whenever it doesn't have to transmit or acknowledge an I frame on layer 2 of the FACCH.)
- 6) To verify that subsequently, the MS can initiate call clearing by sending a DISCONNECT message.
- 7) To verify that the MS in this phase of call release, upon receipt of a RELEASE message, returns a RELEASE COMPLETE message.
- 8) To verify that subsequently the MS, upon receipt of a CHANNEL RELEASE message, disconnects the main signalling link.

**Default:** OtherEventsFail

| Nr | Label         | Behaviour Description                                            | CRef | V  | Comments                                                   |
|----|---------------|------------------------------------------------------------------|------|----|------------------------------------------------------------|
| 1  |               | START T_guard(300)                                               |      |    |                                                            |
| 2  | body          | [TSPC_DualRate = TRUE]                                           |      |    |                                                            |
| 3  |               | [TSPC_FullRateSpeech = TRUE]                                     |      |    | For MS supporting speech, the test is performed for speech |
| 4  |               | +BasicServiceMT(TSPX_MT_BscSvc_Speech_FullRate, C_Full, FALSE)   |      |    |                                                            |
| 5  | +testfullrate |                                                                  | 1.   |    |                                                            |
| 6  |               | [TSPC_HalfRateSpeech = TRUE]                                     |      |    |                                                            |
| 7  |               | +BasicServiceMT(TSPX_MT_BscSvc_Speech_HalfRate, C_Half, FALSE)   |      |    |                                                            |
| 8  |               | +testhalfrate                                                    |      | 2. |                                                            |
| 9  |               | [TSPC_HalfRateSpeech = FALSE]                                    |      |    |                                                            |
| 10 |               | +BasicServiceMT(TSPX_MT_BscSvc_NoSpeech_HalfRate, C_Half, FALSE) |      |    |                                                            |
| 11 |               | +testhalfrate                                                    |      | 2. |                                                            |
| 12 |               | [TSPC_FullRateSpeech = FALSE]                                    |      |    | For MS not supporting                                      |

|    |                                                                                                                                                                                                                                                     |                                        |                                                     |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------------------|
|    |                                                                                                                                                                                                                                                     |                                        | speech, a teleservice supported by the MS is chosen |
| 13 | +BasicServiceMT(TSPX_MT_BscSvc_NonSpeech_FullRate, C_Full, FALSE)                                                                                                                                                                                   |                                        |                                                     |
| 14 | +testfullrate                                                                                                                                                                                                                                       |                                        | 1.                                                  |
| 15 | [TSPC_HalfRateSpeech = TRUE]                                                                                                                                                                                                                        |                                        |                                                     |
| 16 | +BasicServiceMT(TSPX_MT_BscSvc_Speech_HalfRate, C_Half, FALSE)                                                                                                                                                                                      |                                        |                                                     |
| 17 | +testhalfrate                                                                                                                                                                                                                                       |                                        | 2.                                                  |
| 18 | [TSPC_HalfRateSpeech = FALSE]                                                                                                                                                                                                                       |                                        |                                                     |
| 19 | +BasicServiceMT(TSPX_MT_BscSvc_NonSpeech_HalfRate, C_Half, FALSE)                                                                                                                                                                                   |                                        |                                                     |
| 20 | +testhalfrate                                                                                                                                                                                                                                       |                                        | 2.                                                  |
| 21 | [TSPC_FullRateOnly = TRUE]                                                                                                                                                                                                                          |                                        |                                                     |
| 22 | [TSPC_FullRateSpeech = TRUE]                                                                                                                                                                                                                        |                                        |                                                     |
| 23 | +BasicServiceMT(TSPX_MT_BscSvc_Speech_FullRate, C_Full, FALSE)                                                                                                                                                                                      |                                        |                                                     |
| 24 | +testfullrate                                                                                                                                                                                                                                       |                                        | 1.                                                  |
| 25 | [TSPC_FullRateSpeech = FALSE]                                                                                                                                                                                                                       |                                        |                                                     |
| 26 | +BasicServiceMT(TSPX_MT_BscSvc_NonSpeech_FullRate, C_Full, FALSE)                                                                                                                                                                                   |                                        |                                                     |
| 27 | +testfullrate                                                                                                                                                                                                                                       |                                        |                                                     |
|    | <b>testfullrate</b>                                                                                                                                                                                                                                 |                                        |                                                     |
| 28 | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                |                                        |                                                     |
| 29 | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                     |                                        |                                                     |
| 30 | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDA), TCV_chtype:='00001'B) |                                        |                                                     |
| 31 | +PreEnterIdleState_13(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                         |                                        | 3.                                                  |
| 32 | (TCV_Null := OM_CphMd(TCV_chTch, CphMod_01, TCV_CphKey), TCV_Null := OM_ChMdModi(TCV_chTch, TCV_ChMod))                                                                                                                                             |                                        |                                                     |
| 33 | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                      |                                        |                                                     |
| 34 | +localtree                                                                                                                                                                                                                                          |                                        |                                                     |
|    | <b>testhalfrate</b>                                                                                                                                                                                                                                 |                                        |                                                     |
| 35 | (TCV_chTch := OC_SubchOfFacchh(TSPX_TCHHSubDef, C_CellA, 1), TCV_sacchTch := OC_SubchOfSacchh(TSPX_TCHHSubDef, C_CellA, 1), TCV_chtype:=TSPX_TCHHSubDef)                                                                                            |                                        |                                                     |
| 36 | +HalfRateCh_A_def( C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                         |                                        | 4.                                                  |
| 37 | (TCV_Null := OM_CphMd(TCV_chTch, CphMod_01, TCV_CphKey), TCV_Null := OM_ChMdModi(TCV_chTch, TCV_ChMod))                                                                                                                                             |                                        |                                                     |
| 38 | +localtree                                                                                                                                                                                                                                          |                                        |                                                     |
|    | <b>localtree</b>                                                                                                                                                                                                                                    |                                        |                                                     |
| 39 | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                    | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01) |                                                     |
| 40 | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                        | ChReq_01                               |                                                     |
| 41 | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                        |                                        | To match ChReq retrans.                             |
| 42 | L!DL_UdatRqImm                                                                                                                                                                                                                                      | ImmAss_01Def(TCV_agch, TCV_Rr,         |                                                     |

|    |                                                                      |                                                |     |                        |
|----|----------------------------------------------------------------------|------------------------------------------------|-----|------------------------|
| 43 | L?DL_EstInPgRes                                                      | TCV_Fn, TCV_slot,<br>TCV_tsc,<br>TimingAdv_01) |     |                        |
| 44 | ACTIVATE(OtherEventsFail)                                            | PgRes_03                                       |     | Restore Normal default |
| 45 | L!DL_DatRqAuthRq                                                     | AuthReq_05(TCV_ch)                             |     |                        |
| 46 | L?DL_DatInAuthRes(TCV_Sres:=DL_D<br>atInAuthRes.msg.sres)            | AuthRes_01                                     |     |                        |
| 47 | (TCV_Res :=<br>OC_ChkSRES(TCV_Sres, TSPX_Ki,<br>TSPX_RANDA))         |                                                |     |                        |
| 48 | [TCV_Res = FALSE]                                                    |                                                | (F) |                        |
| 49 | +RestoreCphKey(TCV_ch)                                               |                                                |     |                        |
| 50 | +PostMainLinkRel(TCV_ch)                                             |                                                |     |                        |
| 51 | [TCV_Res = TRUE]                                                     |                                                | (P) | 5.                     |
| 52 | +localtree1                                                          |                                                |     |                        |
|    | <b>localtree1</b>                                                    |                                                |     |                        |
| 53 | (TCV_Null := OM_CphMdChg(TCV_ch, CphMod_01,<br>TCV_CphKey))          |                                                |     |                        |
| 54 | L!DL_DatRqCphmCmd                                                    | CphCmd_01(TCV_ch)                              |     |                        |
| 55 | L?DL_DatInCphmCom                                                    | CphCmp_01                                      |     |                        |
| 56 | L!DL_DatRqSetup                                                      | SetupRq_05(TCV_ch,<br>TCV_Setup_mt)            |     | 6.                     |
| 57 | L?DL_DatInCallCo(TCV_CallCfm:=DL_DatIn<br>CallCo.msg)                | CallCfm_01                                     |     |                        |
| 58 | +asstrafficch                                                        |                                                |     | 7.                     |
| 59 | L?DL_DatInConn (TCV_Mt :=<br>DL_DatInConn.msg.mt, TCV_Res:=<br>TRUE) | ConnRcv_01                                     |     |                        |
| 60 | +localtree2                                                          |                                                |     |                        |
| 61 | +localtree2                                                          |                                                |     |                        |
|    | <b>localtree2</b>                                                    |                                                |     |                        |
| 62 | L?DL_DatInConn (TCV_Mt1 :=<br>DL_DatInConn.msg.mt)                   | ConnRcv_03(TCV_ch<br>Tch)                      |     |                        |
| 63 | [TCV_Res = TRUE]                                                     |                                                |     |                        |
| 64 | [TCV_Mt <> TCV_Mt1]                                                  |                                                | (F) |                        |
| 65 | +RestoreCphKey(TCV_chTch)                                            |                                                |     |                        |
| 66 | +PostMainLinkRel(TCV_chTch)                                          |                                                |     |                        |
| 67 | [TCV_Mt = TCV_Mt1]                                                   |                                                | (P) |                        |
| 68 | +localtree3                                                          |                                                |     |                        |
| 69 | [TCV_Res = FALSE]                                                    |                                                |     |                        |
| 70 | +localtree3                                                          |                                                |     |                        |
| 71 | L?DL_DatInAlert                                                      | AlertRcv_01                                    |     |                        |
| 72 | [TSPC_AlertInd = TRUE]                                               |                                                |     |                        |
| 73 | (TCV_Res := OO_AltIndCHK())                                          |                                                |     |                        |
| 74 | [TCV_Res = FALSE]                                                    |                                                | (F) | 8.                     |
| 75 | +RestoreCphKey(TCV_chTch)                                            |                                                |     |                        |
| 76 | +PostMainLinkRel(TCV_chTch)                                          |                                                |     |                        |
| 77 | [TCV_Res = TRUE]                                                     |                                                | (P) |                        |
| 78 | (TCV_Null := OO_HookOff())                                           |                                                |     | 9.                     |
| 79 | L?DL_DatInConn                                                       | ConnRcv_03(TCV_ch<br>Tch)                      |     |                        |
| 80 | +localtree3                                                          |                                                |     |                        |
| 81 | [TSPC_AlertInd = FALSE]                                              |                                                |     |                        |
| 82 | (TCV_Null := OO_HookOff())                                           |                                                |     | 9.                     |
| 83 | L?DL_DatInConn                                                       | ConnRcv_03(TCV_ch<br>Tch)                      |     |                        |
| 84 | +localtree3                                                          |                                                |     |                        |
|    | <b>localtree3</b>                                                    |                                                |     |                        |
| 85 | [TCV_Setup_mt.bcap1.itc = '000'B]                                    |                                                |     | Speech Call            |
| 86 | (TCV_Res := OO_TCHThroConnCHK())                                     |                                                |     |                        |
| 87 | [TCV_Res = FALSE]                                                    |                                                | (F) |                        |
| 88 | +RestoreCphKey(TCV_chTch)                                            |                                                |     |                        |
| 89 | +PostMainLinkRel(TCV_chTch)                                          |                                                |     |                        |

|     |                                                |                                       |     |             |
|-----|------------------------------------------------|---------------------------------------|-----|-------------|
| 90  | [TCV_Res = TRUE]                               |                                       | (P) |             |
| 91  | +localtree4                                    |                                       |     |             |
| 92  | [TCV_Setup_mt.bcap1.itc <> '000'B]             |                                       |     | Data Call   |
| 93  | +localtree4                                    |                                       |     |             |
|     | <b>localtree4</b>                              |                                       |     |             |
| 94  | L!DL_DatRqConnAck                              | ConnAck_01(TCV_chTch)                 |     |             |
| 95  | [TCV_Setup_mt.bcap1.itc <> '000'B]             |                                       |     | Data Call   |
| 96  | (TCV_Res := OO_TCHThroConnCHK())               |                                       |     |             |
| 97  | [TCV_Res = FALSE]                              |                                       | (F) |             |
| 98  | +RestoreCphKey(TCV_chTch)                      |                                       |     |             |
| 99  | +PostMainLinkRel(TCV_chTch)                    |                                       |     |             |
| 100 | [TCV_Res = TRUE]                               |                                       | (P) |             |
| 101 | +localtree5                                    |                                       |     |             |
| 102 | [TCV_Setup_mt.bcap1.itc = '000'B]              |                                       |     | Speech Call |
| 103 | +localtree5                                    |                                       |     |             |
|     | <b>localtree5</b>                              |                                       |     |             |
| 104 | +TermCall                                      |                                       |     |             |
| 105 | L?DL_DatInDisc                                 | DiscRcv(TCV_chTch, Disconn_05(TI_01)) |     |             |
| 106 | LIDL_DatRqRel                                  | RelRq_04(TI_02, TCV_chTch)            |     |             |
| 107 | L?DL_DatInRelCmp                               | RelCmp_02(TI_01)                      |     |             |
| 108 | +RestoreCphKey(TCV_chTch)                      |                                       |     |             |
| 109 | +PostMainLinkRel(TCV_chTch)                    |                                       |     |             |
|     | <b>asstrafficch</b>                            |                                       |     |             |
| 110 | (TCV_Res := FALSE)                             |                                       |     |             |
| 111 | +AssCmdGenMT                                   |                                       |     |             |
| 112 | +Adjust_gsmanddcs_powerlvl(19, 15, TCV_AssCmd) |                                       |     |             |
| 113 | +AssCh_complete(TCV_ch, TCV_chTch, TCV_AssCmd) |                                       |     |             |

**Detailed Comments:**

1. To perform the test on full rate channel.
2. To perform the test on half rate channel.
3. To setup two physical channels, one for combined BCCH, CCCh and SDCHH4, another one for full rate traffic channel.
4. To setup the previous full rate channel into half rate channel.
5. Authentication is OK.
6. SETUP message without signal IE.
7. Early assignment.
8. Alerting indication not correct.
9. To accept the call at the MS.

**Test Case Dynamic Behaviour**

**Test Case Name:** TC\_26\_9\_5  
**Group:** GSM\_L3\_MS\_v4160/StructureProc/  
**Purpose:**

- 1) To verify that the MS in "Idle, Updated" state with a TMSI assigned, after being paged by the network on the correct paging subchannel, after initiating the immediate assignment procedure by sending the CHANNEL REQUEST message, after receipt of an IMMEDIATE ASSIGNMENT message allocating an SDCCH, after having established the main signalling link, after having sent a PAGING RESPONSE message, after having performed successful authentication and cipher mode setting procedures, after receipt of a SETUP message containing a signal information element, returns a CALL CONFIRMED message followed by
  - an ALERTING message
  - or a CONNECT message.
- 2) To verify that in the situation of test purpose 1, if the MS sends an ALERTING message, the MS generates an alerting indication in the way described in a PICS/PIXIT statement.
- 3) To verify that subsequently the MS, if it had not yet sent a CONNECT message, upon acceptance of the call, sends a CONNECT message.
- 4) To verify that subsequently after receipt of an ASSIGNMENT COMMAND, the MS sends an ASSIGNMENT COMPLETE message.
- 5) To verify that subsequently the MS
  - if the call is a speech call: after sending the ASSIGNMENT COMPLETE message has through connected the TCH in both directions (this is checked by verifying that after transmission of the first L2 frame containing the (complete) ASSIGNMENT COMPLETE message, the MS is sending appropriate speech or data frames whenever it doesn't have to transmit or acknowledge an I frame on layer 2 of the FACCH.)
  - if the call is a data call: after receipt of a subsequent CONNECT ACKNOWLEDGE message through connects the TCH in both directions (this is checked by verifying that there is a point in time after transmission of the first L2 frame containing the (complete) CONNECT ACKNOWLEDGE message, where the MS is sending appropriate speech or data frames whenever it doesn't have to transmit or acknowledge an I frame on layer 2 of the FACCH.)

These test purposes are tested for all rates supported by the MS (full rate/half rate).

**Default:** OtherEventsFail

| Nr | Label | Behaviour Description                                             | CRef | V  | Comments                                                                  |
|----|-------|-------------------------------------------------------------------|------|----|---------------------------------------------------------------------------|
| 1  |       | START T_guard(300)                                                |      |    |                                                                           |
| 2  | body  | [TSPC_DualRate = TRUE]                                            |      |    |                                                                           |
| 3  |       | [TSPC_FullRateSpeech = TRUE]                                      |      |    | For MS supporting speech, the test is performed for speech                |
| 4  |       | +BasicServiceMT(TSPX_MT_BscSvc_Speech_FullRate, C_Full, FALSE)    |      |    |                                                                           |
| 5  |       | +testfullrate                                                     |      | 1. |                                                                           |
| 6  |       | [TSPC_HalfRateSpeech = TRUE]                                      |      |    |                                                                           |
| 7  |       | +BasicServiceMT(TSPX_MT_BscSvc_Speech_HalfRate, C_Half, FALSE)    |      |    |                                                                           |
| 8  |       | +testhalfrate                                                     |      | 2. |                                                                           |
| 9  |       | [TSPC_HalfRateSpeech = FALSE]                                     |      |    |                                                                           |
| 10 |       | +BasicServiceMT(TSPX_MT_BscSvc_NoSpeech_HalfRate, C_Half, FALSE)  |      |    |                                                                           |
| 11 |       | +testhalfrate                                                     |      | 2. |                                                                           |
| 12 |       | [TSPC_FullRateSpeech = FALSE]                                     |      |    | For MS not supporting speech, a teleservice supported by the MS is chosen |
| 13 |       | +BasicServiceMT(TSPX_MT_BscSvc_NonSpeech_FullRate, C_Full, FALSE) |      |    |                                                                           |
| 14 |       | +testfullrate                                                     |      | 1. |                                                                           |
| 15 |       | [TSPC_HalfRateSpeech = TRUE]                                      |      |    |                                                                           |
| 16 |       | +BasicServiceMT(TSPX_MT_BscSvc_Speech_HalfRate, C_Half, FALSE)    |      |    |                                                                           |
| 17 |       | +testhalfrate                                                     |      | 2. |                                                                           |

|    |                                                                                                                                                                                                                                                                          |                                                                                      |                         |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------|
| 18 | [TSPC_HalfRateSpeech = FALSE]                                                                                                                                                                                                                                            |                                                                                      |                         |
| 19 | +BasicServiceMT(TSPX_MT_BscSvc_No<br>nSpeech_HalfRate, C_Half, FALSE)                                                                                                                                                                                                    |                                                                                      |                         |
| 20 | +testhalfrate                                                                                                                                                                                                                                                            |                                                                                      | 2.                      |
| 21 | [TSPC_FullRateOnly = TRUE]                                                                                                                                                                                                                                               |                                                                                      |                         |
| 22 | [TSPC_FullRateSpeech = TRUE]                                                                                                                                                                                                                                             |                                                                                      |                         |
| 23 | +BasicServiceMT(TSPX_MT_BscSvc_Speech_<br>FullRate, C_Full, FALSE)                                                                                                                                                                                                       |                                                                                      |                         |
| 24 | +testfullrate                                                                                                                                                                                                                                                            |                                                                                      | 1.                      |
| 25 | [TSPC_FullRateSpeech = FALSE]                                                                                                                                                                                                                                            |                                                                                      |                         |
| 26 | +BasicServiceMT(TSPX_MT_BscSvc_NonSpee<br>ch_FullRate, C_Full, FALSE)                                                                                                                                                                                                    |                                                                                      |                         |
| 27 | +testfullrate                                                                                                                                                                                                                                                            |                                                                                      |                         |
|    | <b>testfullrate</b>                                                                                                                                                                                                                                                      |                                                                                      |                         |
| 28 | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                     |                                                                                      |                         |
| 29 | +IdleUpdated(C_CellA, C_Immass, TCV_slot,<br>TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B,<br>'00'O)                                                                                                                                                                    |                                                                                      |                         |
| 30 | (TCV_ch :=<br>OC_SubchOfSdcch4(TSPX_SDCCH4SubDef,<br>C_CellA), TCV_sacch :=<br>OC_SubchOfSacch4(TSPX_SDCCH4SubDef,<br>C_CellA), TCV_chTch := C_FACCHF_A_1,<br>TCV_sacchTch := C_SACCHF_A_1,<br>TCV_CphKey := OC_CphKeyGen(TSPX_Ki,<br>TSPX_RANDA), TCV_chtype:='00001'B) |                                                                                      |                         |
| 31 | +PreEnterIdleState_13(C_Immass,TCV_slot,<br>TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlitDef,<br>TSPX_TscDef, TimingAdv_01, '000'B, '001'B,<br>'011'B, '00'O)                                                                                                                     |                                                                                      | 3.                      |
| 32 | (TCV_Null := OM_CphMd(TCV_chTch,<br>CphMod_01, TCV_CphKey), TCV_Null :=<br>OM_ChMdModi(TCV_chTch, TCV_ChMod))                                                                                                                                                            |                                                                                      |                         |
| 33 | +CCCH_group_Paging_group(TCV_Ccd0A,<br>TSPX_IMSI)                                                                                                                                                                                                                        |                                                                                      |                         |
| 34 | +localtree                                                                                                                                                                                                                                                               |                                                                                      |                         |
|    | <b>testhalfrate</b>                                                                                                                                                                                                                                                      |                                                                                      |                         |
| 35 | (TCV_chTch :=<br>OC_SubchOfFacchh(TSPX_TCHHSubDef, C_CellA,<br>1), TCV_sacchTch :=<br>OC_SubchOfSacchh(TSPX_TCHHSubDef, C_CellA,<br>1), TCV_chtype:=TSPX_TCHHSubDef)                                                                                                     |                                                                                      |                         |
| 36 | +HalfRateCh_A_def(C_Ass, TSPX_TmSlitDef,<br>TSPX_TscDef, TimingAdv_01, '000'B, '001'B,<br>'011'B)                                                                                                                                                                        |                                                                                      | 4.                      |
| 37 | (TCV_Null := OM_CphMd(TCV_chTch,<br>CphMod_01, TCV_CphKey), TCV_Null :=<br>OM_ChMdModi(TCV_chTch, TCV_ChMod))                                                                                                                                                            |                                                                                      |                         |
| 38 | +localtree                                                                                                                                                                                                                                                               |                                                                                      |                         |
|    | <b>localtree</b>                                                                                                                                                                                                                                                         |                                                                                      |                         |
| 39 | L?DL_UdatRqPg1Rq                                                                                                                                                                                                                                                         | PgReq1(TCV_PgCh,<br>TCV_Pgg,<br>PgReqTp1_01)                                         |                         |
| 40 | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                         | ChReq_01                                                                             |                         |
| 41 | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                             |                                                                                      | To match ChReq retrans. |
| 42 | LIDL_UdatRqImmass                                                                                                                                                                                                                                                        | ImmAss_01Def(TCV_<br>agch, TCV_Rr,<br>TCV_Fn, TCV_slot,<br>TCV_tsc,<br>TimingAdv_01) |                         |
| 43 | L?DL_EstInPgRes                                                                                                                                                                                                                                                          | PgRes_03                                                                             |                         |
| 44 | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                |                                                                                      | Restore Normal default  |
| 45 | LIDL_DatRqAuthRq                                                                                                                                                                                                                                                         | AuthReq_05(TCV_ch)                                                                   |                         |
| 46 | L?DL_DatInAuthRes(TCV_Sres:=DL_D<br>atInAuthRes.msg.sres)                                                                                                                                                                                                                | AuthRes_01                                                                           |                         |
| 47 | (TCV_Res :=<br>OC_ChkSRES(TCV_Sres, TSPX_Ki,                                                                                                                                                                                                                             |                                                                                      |                         |

|    |                                                             |                                     |     |    |
|----|-------------------------------------------------------------|-------------------------------------|-----|----|
| 48 | TSPX_RANDA))                                                |                                     |     |    |
| 49 | [TCV_Res = FALSE]                                           |                                     | (F) |    |
| 50 | +RestoreCphKey(TCV_ch)                                      |                                     |     |    |
| 51 | +PostMainLinkRel(TCV_ch)                                    |                                     |     |    |
| 52 | [TCV_Res = TRUE]                                            |                                     | (P) | 5. |
|    | +localtree1                                                 |                                     |     |    |
|    | <b>localtree1</b>                                           |                                     |     |    |
| 53 | (TCV_Null := OM_CphMdChg(TCV_ch, CphMod_01,<br>TCV_CphKey)) |                                     |     |    |
| 54 | L?DL_DatRqCphmCmd                                           | CphCmd_01(TCV_ch)                   |     |    |
| 55 | L?DL_DatInCphmCom                                           | CphCmp_01                           |     |    |
| 56 | LIDL_DatRqSetup                                             | SetupRq_05(TCV_ch,<br>TCV_Setup_mt) |     | 6. |
| 57 | L?DL_DatInCallCo(TCV_CallCfm:=DL_DatIn<br>CallCo.msg)       | CallCfm_01                          |     |    |
| 58 | L?DL_DatInConn                                              | ConnRcv_01                          |     |    |
| 59 | +localtree2                                                 |                                     |     |    |
| 60 | L?DL_DatInAlert                                             | AlertRcv_01                         |     |    |
| 61 | [TSPC_AlertInd = TRUE]                                      |                                     |     |    |
| 62 | (TCV_Res := OO_AltIndCHK())                                 |                                     |     |    |
| 63 | [TCV_Res = FALSE]                                           |                                     | (F) | 8. |
| 64 | +RestoreCphKey(TCV_ch)                                      |                                     |     |    |
| 65 | +PostMainLinkRel(TCV_ch)                                    |                                     |     |    |
| 66 | [TCV_Res = TRUE]                                            |                                     | (P) |    |
| 67 | (TCV_Null := OO_HookOff())                                  |                                     |     | 9. |
| 68 | L?DL_DatInConn                                              | ConnRcv_01                          |     |    |
| 69 | +localtree2                                                 |                                     |     |    |
| 70 | [TSPC_AlertInd = FALSE]                                     |                                     |     |    |
| 71 | (TCV_Null := OO_HookOff())                                  |                                     |     | 9. |
| 72 | L?DL_DatInConn                                              | ConnRcv_01                          |     |    |
| 73 | +localtree2                                                 |                                     |     |    |
|    | <b>localtree2</b>                                           |                                     |     |    |
| 74 | +AssCmdGenMT                                                |                                     |     |    |
| 75 | +Adjust_gsmanddcs_powerlvl(19,15,TCV_AssCmd)                |                                     |     |    |
| 76 | +AssCh_complete(TCV_ch,TCV_chTch,TCV_Ass<br>Cmd)            |                                     |     |    |
| 77 | +localtree3                                                 |                                     |     |    |
|    | <b>localtree3</b>                                           |                                     |     |    |
| 78 | [TCV_Setup_mt.bcap1.itc = '000'B]                           |                                     |     |    |
| 79 | (TCV_Res := OO_TCHThroConnCHK())                            |                                     |     |    |
| 80 | [TCV_Res = FALSE]                                           |                                     | (F) |    |
| 81 | +RestoreCphKey(TCV_chTch)                                   |                                     |     |    |
| 82 | +PostMainLinkRel(TCV_ch)                                    |                                     |     |    |
| 83 | [TCV_Res = TRUE]                                            |                                     | (P) |    |
| 84 | +localtree4                                                 |                                     |     |    |
| 85 | [TCV_Setup_mt.bcap1.itc <> '000'B]                          |                                     |     |    |
| 86 | +localtree4                                                 |                                     |     |    |
|    | <b>localtree4</b>                                           |                                     |     |    |
| 87 | LIDL_DatRqConnAck                                           | ConnAck_01(TCV_ch<br>Tch)           |     |    |
| 88 | [TCV_Setup_mt.bcap1.itc <> '000'B]                          |                                     |     |    |
| 89 | (TCV_Res := OO_TCHThroConnCHK())                            |                                     |     |    |
| 90 | [TCV_Res = FALSE]                                           |                                     | (F) |    |
| 91 | +RestoreCphKey(TCV_chTch)                                   |                                     |     |    |
| 92 | +PostMainLinkRel(TCV_chTch)                                 |                                     |     |    |
| 93 | [TCV_Res = TRUE]                                            |                                     | (P) |    |
| 94 | +RestoreCphKey(TCV_chTch)                                   |                                     |     |    |
| 95 | +PostMainLinkRel(TCV_chTch)                                 |                                     |     |    |
| 96 | [TCV_Setup_mt.bcap1.itc = '000'B]                           |                                     |     |    |
| 97 | +RestoreCphKey(TCV_chTch)                                   |                                     |     |    |
| 98 | +PostMainLinkRel(TCV_chTch)                                 |                                     |     |    |

**Detailed Comments:**

1. To perform the test on full rate channel.
2. To perform the test on half rate channel.
3. To setup two physical channels, one for combined BCCH, CCCh and SDCHH4, another one for full rate traffic channel.
4. To setup the previous full rate channel into half rate channel.
5. Authentication is OK.
6. SETUP message without signal IE.
7. Late assignment.
8. Alerting indication not correct.
9. To accept the call at the MS.



**Test Case Dynamic Behaviour**

**Test Case Name:** TC\_26\_9\_6\_1\_1  
**Group:** GSM\_L3\_MS\_v4160/StructureProc/  
**Purpose:** 1) To verify that an MS supporting speech in the MM state "idle, updated", when made to call the number 112, sends a CHANNEL REQUEST message with establishment cause "emergency call".  
 2) To verify that after assignment of a dedicated channel the first layer message sent by the MS on the assigned dedicated channel is a CM SERVICE REQUEST message specifying the correct CKSN and TMSI, with CM Service Type "emergency call establishment" .  
 3) To verify that authentication and cipher mode setting are performed successfully.  
 4) To verify that after cipher mode setting acceptance by the SS, the MS sends an EMERGENCY SETUP message.  
 5) To verify that subsequently, the SS having sent a CALL PROCEEDING message and then an ALERT message and having initiated the assignment procedure of an appropriate speech traffic channel, which, if the MS supports both TCH/FS and TCH/HS, is at the preferred rate, the MS performs correctly that assignment procedure.  
 6) To verify subsequent correct performance of a connect procedure.  
 7) To verify that subsequently the MS has through connected the TCH in both directions.  
 8) To verify that the call is cleared correctly.  
**Default:** OtherEventsFail

| Nr | Label | Behaviour Description                                                                                                                                                | CRef                                                                    | V   | Comments                |
|----|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----|-------------------------|
| 1  |       | START T_guard(300)                                                                                                                                                   |                                                                         |     |                         |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                 |                                                                         |     |                         |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                      |                                                                         |     |                         |
| 4  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDA)) |                                                                         |     |                         |
| 5  |       | +PreEnterIdleState_03(C_Immass,TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                              |                                                                         | 1.  |                         |
| 6  | body  | +AttmpEmgCall                                                                                                                                                        |                                                                         |     |                         |
| 7  |       | +BasicServiceMO(C_EmgCallSRV, TSPX_MO_rate_EmergencyCall)                                                                                                            |                                                                         |     |                         |
| 8  |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                         | ChReq_18                                                                | (P) | 2.                      |
| 9  |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                         |                                                                         |     | To match ChReq retrans. |
| 10 |       | LIDL_UdatRqImmass                                                                                                                                                    | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |     |                         |
| 11 |       | L?DL_EstInCmsRq                                                                                                                                                      | CmserReq_06                                                             | (P) | 3.                      |
| 12 |       | ACTIVATE(OtherEventsFail)                                                                                                                                            |                                                                         |     | Restore Normal default  |
| 13 |       | LIDL_DatRqAuthRq                                                                                                                                                     | AuthReq_05(TCV_ch)                                                      |     |                         |
| 14 |       | L?DL_DatInAuthRes(TCV_Sres := DL_DatInAuthRes.msg.sres)                                                                                                              | AuthRes_01                                                              |     |                         |
| 15 |       | +localbody                                                                                                                                                           |                                                                         |     |                         |
| 16 |       | <b>localbody</b><br>(TCV_Res := OC_ChkSRES(TCV_Sres, TSPX_Ki, TSPX_RANDA))                                                                                           |                                                                         |     |                         |
| 17 |       | [TCV_Res = FALSE]                                                                                                                                                    |                                                                         | (F) | 4.                      |

|    |                                                                                                                                                                                                     |                                |     |     |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----|-----|
| 18 | +RestoreCphKey(TCV_ch)                                                                                                                                                                              |                                |     |     |
| 19 | +PostMainLinkRel(TCV_ch)                                                                                                                                                                            |                                |     |     |
| 20 | [TCV_Res = TRUE]                                                                                                                                                                                    |                                | (P) | 5.  |
| 21 | (TCV_Null := OM_CphMdChg(TCV_ch,<br>CphMod_01, TCV_CphKey))                                                                                                                                         |                                |     |     |
| 22 | L!DL_DatRqCphmCmd                                                                                                                                                                                   | CphCmd_01(TCV_ch)              |     |     |
| 23 | L?DL_DatInCphmCom                                                                                                                                                                                   | CphCmp_01                      | (P) |     |
| 24 | [TSPC_FullRateOnly = TRUE]                                                                                                                                                                          |                                |     |     |
| 25 | +testfullratems                                                                                                                                                                                     |                                |     |     |
| 26 | [TSPC_DualRate = TRUE]                                                                                                                                                                              |                                |     |     |
| 27 | +testdualratems                                                                                                                                                                                     |                                |     |     |
|    | <b>testfullratems</b>                                                                                                                                                                               |                                |     |     |
| 28 | L?DL_DatInESetup (TCV_TI :=<br>DL_DatInESetup.msg.ti, TCV_TI0 := TCV_TI,<br>TCV_TI.ti_f := '1'B)                                                                                                    | ESetupInd_02                   | (P) | 6.  |
| 29 | (TCV_chTch := C_FACCHF_A_1, TCV_sacchTch<br>:= C_SACCHF_A_1, TCV_chtype:= '00001'B,<br>TCV_ChMod:=ChMod_speech)                                                                                     |                                |     |     |
| 30 | +FullRateCh_A_def(C_Ass, TSPX_TmSlitDef,<br>TSPX_TscDef, TimingAdv_01, '000'B, '001'B,<br>'011'B)                                                                                                   |                                |     | 7.  |
| 31 | (TCV_Null := OM_CphMd(TCV_chTch,<br>CphMod_01, TCV_CphKey))                                                                                                                                         |                                |     |     |
| 32 | L!DL_DatRqCallProc                                                                                                                                                                                  | CallProc_01(TCV_TI,<br>TCV_ch) |     |     |
| 33 | L!DL_DatRqAlert                                                                                                                                                                                     | Alert_01(TCV_TI,<br>TCV_ch)    |     |     |
| 34 | +ltree_Asgn1                                                                                                                                                                                        |                                |     |     |
| 35 | +AssCh_complete(TCV_ch,<br>TCV_chTch, TCV_AssCmd)                                                                                                                                                   |                                |     |     |
| 36 | +localtree                                                                                                                                                                                          |                                |     |     |
|    | <b>testdualratems</b>                                                                                                                                                                               |                                |     |     |
| 37 | L?DL_DatInESetup (TCV_TI :=<br>DL_DatInESetup.msg.ti, TCV_TI0 := TCV_TI,<br>TCV_TI.ti_f := '1'B, TCV_Rchr :=<br>DL_DatInESetup.msg.bcap.rchr, TCV_Bcap1 :=<br>DL_DatInESetup.msg.bcap)              | ESetupInd_03                   |     | 9.  |
| 38 | [TCV_Rchr = '11'B]                                                                                                                                                                                  |                                |     | 10. |
| 39 | (TCV_Bcap1.rchr := '01'B)                                                                                                                                                                           |                                |     |     |
| 40 | (TCV_chTch := C_FACCHF_A_1,<br>TCV_sacchTch := C_SACCHF_A_1,<br>TCV_chtype:= '00001'B,<br>TCV_ChMod:=ChMod_speech)                                                                                  |                                |     |     |
| 41 | +FullRateCh_A_def(C_Ass, TSPX_TmSlitDef,<br>TSPX_TscDef, TimingAdv_01, '000'B, '001'B,<br>'011'B)                                                                                                   |                                |     | 7.  |
| 42 | (TCV_Null := OM_CphMd(TCV_chTch,<br>CphMod_01, TCV_CphKey))                                                                                                                                         |                                |     |     |
| 43 | L!DL_DatRqCallProc<br>(DL_DatRqCallProc.msg.bcap1 :=<br>TCV_Bcap1)                                                                                                                                  | CallProc_04(TCV_TI,<br>TCV_ch) |     |     |
| 44 | L!DL_DatRqAlert                                                                                                                                                                                     | Alert_01(TCV_TI,<br>TCV_ch)    |     |     |
| 45 | +ltree_Asgn1                                                                                                                                                                                        |                                |     |     |
| 46 | +AssCh_complete(TCV_ch,<br>TCV_chTch, TCV_AssCmd)                                                                                                                                                   |                                |     |     |
| 47 | +localtree                                                                                                                                                                                          |                                |     |     |
| 48 | [TCV_Rchr = '10'B]                                                                                                                                                                                  |                                |     | 11. |
| 49 | (TCV_Bcap1.rchr := '01'B)                                                                                                                                                                           |                                |     |     |
| 50 | (TCV_chTch :=<br>OC_SubchOfFacchh(TSPX_TCHHSubDef,<br>C_CellA, 1), TCV_sacchTch :=<br>OC_SubchOfSacchh(TSPX_TCHHSubDef,<br>C_CellA, 1),<br>TCV_chtype:=TSPX_TCHHSubDef,<br>TCV_ChMod:=ChMod_speech) |                                |     |     |
| 51 | +HalfRateCh_A_def(C_Ass, TSPX_TmSlitDef,<br>TSPX_TscDef, TimingAdv_01, '000'B, '001'B,                                                                                                              |                                |     | 12. |

|    |                                                                                   |                                           |     |     |
|----|-----------------------------------------------------------------------------------|-------------------------------------------|-----|-----|
| 52 | '011'B)<br>(TCV_Null := OM_CphMd(TCV_chTch,<br>CphMod_01, TCV_CphKey))            |                                           |     |     |
| 53 | L!DL_DatRqCallProc<br>(DL_DatRqCallProc.msg.bcap1 :=<br>TCV_Bcap1)                | CallProc_04(TCV_TI,<br>TCV_ch)            |     |     |
| 54 | L!DL_DatRqAlert                                                                   | Alert_01(TCV_TI,<br>TCV_ch)               |     |     |
| 55 | +ltree_Asgn2                                                                      |                                           |     |     |
| 56 | +AssCh_complete(TCV_ch,<br>TCV_chTch, TCV_AssCmd)                                 |                                           |     | 13. |
| 57 | +localtree                                                                        |                                           |     |     |
|    | <b>localtree</b>                                                                  |                                           |     |     |
| 58 | L!DL_DatRqConn                                                                    | Conn_01(TCV_TI,<br>TCV_chTch)             |     |     |
| 59 | L?DL_DatInConnAck                                                                 | ConnAckRcv_01(TCV<br>_TI0)                | (P) |     |
| 60 | (TCV_Res := OO_TCHThroConnCHK())                                                  |                                           |     |     |
| 61 | [TCV_Res = FALSE]                                                                 |                                           | (F) | 14. |
| 62 | +RestoreCphKey(TCV_chTch)                                                         |                                           |     |     |
| 63 | +PostMainLinkRel(TCV_chTch)                                                       |                                           |     |     |
| 64 | [TCV_Res = TRUE]                                                                  |                                           | (P) | 15. |
| 65 | L!DL_DatRqDisc                                                                    | DiscSnd(TCV_chTch,<br>Disconn_07(TCV_TI)) |     |     |
| 66 | L?DL_DatInRel                                                                     | ReleaseInd_06(TCV_<br>TI0)                | (P) |     |
| 67 | L!DL_DatRqRelCmp                                                                  | RelCmpRq_05(TCV_<br>TI, TCV_chTch)        |     |     |
| 68 | +RestoreCphKey(TCV_chTch)                                                         |                                           |     |     |
| 69 | +PostMainLinkRel(TCV_chTch)                                                       |                                           |     |     |
|    | <b>ltree_Asgn1</b>                                                                |                                           |     |     |
| 70 | [TSPC_PGSM OR TSPC_EGSM]                                                          |                                           |     |     |
| 71 | (TCV_AssCmd := AsgnCmd_tchf(TSPX_TmSlitDef,<br>TSPX_TscDef))                      |                                           |     |     |
| 72 | [TSPC_DCS]                                                                        |                                           |     |     |
| 73 | (TCV_AssCmd :=<br>AsgnCmd_dtchf(TSPX_TmSlitDef, TSPX_TscDef))                     |                                           |     |     |
|    | <b>ltree_Asgn2</b>                                                                |                                           |     |     |
| 74 | [TSPC_PGSM OR TSPC_EGSM]                                                          |                                           |     |     |
| 75 | (TCV_AssCmd :=<br>AsgnCmd_tchh(TSPX_TCHHSubDef,<br>TSPX_TmSlitDef, TSPX_TscDef))  |                                           |     |     |
| 76 | [TSPC_DCS]                                                                        |                                           |     |     |
| 77 | (TCV_AssCmd :=<br>AsgnCmd_dtchh(TSPX_TCHHSubDef,<br>TSPX_TmSlitDef, TSPX_TscDef)) |                                           |     |     |

**Detailed Comments:**

1. To setup a physical channels as BCCH CCCH and SDCCH4 combined channel.
2. CHANNEL REQUEST with "emergency call establishment" cause received.
3. CM SERVICE REQUEST with "emergency call establishment" service type correct TMSI and CKSN received.
4. Authentication failed.
5. Authentication passed.
6. EMERGENCY SETUP with BC indicating "full rate channel" or without BC received.
7. To setup aphysical channel as full rate traffic channel.
8. To assign a full rate channel.
9. EMERGENCY SETUP with BC indicating "dual rate / half rate preferred" or " dual rate / full rate preferred" received.
10. "dual rate / full rate preferred" case. Full rate channel is to be assigned.
11. "dual rate / half preferred" case. Half rate channel is to be assigned.
12. To setup aphysical channel as full rate traffic channel.
13. To assign half rate channel.
14. The TCH channel is not through connected, fail.
15. The TCH channel is through connected.

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                      |     |                         |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_9_6_1_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                      |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/StructureProc/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                      |     |                         |
| <b>Purpose:</b>             |       | <p>1) To verify that the MS in the "idle, no IMSI" state (no SIM inserted) when made to call the number 112, sends a CHANNEL REQUEST message with establishment cause "emergency call".</p> <p>2) To verify that after assignment of a dedicated channel the first layer message sent by the MS on the assigned dedicated channel is a CM SERVICE REQUEST message specifying the correct CKSN and TMSI, with CM Service Type "emergency call establishment".</p> <p>3) To verify that after receipt of a CM SERVICE ACCEPT message from the SS, the MS sends an EMERGENCY SETUP message.</p> <p>4) To verify that subsequently, the SS having sent a CALL PROCEEDING message and then an ALERT message and having initiated the assignment procedure of an appropriate speech traffic channel, which, if the MS supports both TCH/FS and TCH/HS, is at the non-preferred rate, the MS performs correctly that assignment procedure.</p> <p>5) To verify subsequent correct performance of a connect procedure.</p> <p>6) To verify that subsequently the MS has through connected the TCH in both directions.</p> <p>7) To verify that the call is cleared correctly.</p> |                                                                      |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                      |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | CRef                                                                 | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                      |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                      |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                      |     |                         |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDA))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                      |     |                         |
| 5                           |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                      |     | 1.                      |
| 6                           | body  | +localbody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                      |     |                         |
|                             |       | <b>localbody</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                      |     |                         |
| 7                           |       | +AttmpEmgCall                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                      |     |                         |
| 8                           |       | +BasicServiceMO(C_EmgCallSRV, TSPX_MO_rate_EmergencyCall)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                      |     |                         |
| 9                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq, msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ChReq_18                                                             | (P) | 2.                      |
| 10                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                      |     | To match ChReq retrans. |
| 11                          |       | L!DL_UdatRqImmass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ImmAss_08(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_04) |     |                         |
| 12                          |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CmsrReq_06                                                           | (P) | 3.                      |
| 13                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                      |     | Restore Normal default  |
| 14                          |       | L!DL_DatRqAuthRq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | AuthReq_05(TCV_ch)                                                   |     |                         |
| 15                          |       | L?DL_DatInAuthRes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | AuthRes_01                                                           |     |                         |
| 16                          |       | (TCV_Res := OC_ChkSRES(TCV_Sres, TSPX_Ki, TSPX_RANDA))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                      |     |                         |
| 17                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                      | (F) | 4.                      |
| 18                          |       | +RestoreCphKey(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                      |     |                         |
| 19                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                      |     |                         |
| 20                          |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                      | (P) | 5.                      |
| 21                          |       | (TCV_Null := OM_CphMdChg(TCV_ch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                      |     |                         |

|                       |                                                                                                                                                                                        |                                           |         |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------|
| 22                    | L!DL_DatRqCphmCmd                                                                                                                                                                      | CphCmd_01(TCV_ch)                         |         |
| 23                    | L?DL_DatInCphmCom                                                                                                                                                                      | CphCmp_01                                 | (P)     |
| 24                    | +testdualratems                                                                                                                                                                        |                                           |         |
| <b>testdualratems</b> |                                                                                                                                                                                        |                                           |         |
| 25                    | L?DL_DatInESetup (TCV_TI :=<br>DL_DatInESetup.msg.ti, TCV_TI0 := TCV_TI,<br>TCV_TI.ti.f := '1'B, TCV_Rchr :=<br>DL_DatInESetup.msg.bcap.rchr, TCV_Bcap1 :=<br>DL_DatInESetup.msg.bcap) | ESetupInd_03                              | (P) 6.  |
| 26                    | [TCV_Rchr = '10'B]                                                                                                                                                                     |                                           | 7.      |
| 27                    | (TCV_Bcap1.rchr := '01'B)                                                                                                                                                              |                                           |         |
| 28                    | (TCV_chTch := C_FACCHF_A_1,<br>TCV_sacchTch := C_SACCHF_A_1)                                                                                                                           |                                           |         |
| 29                    | +FullRateCh_A_def(C_Ass, TSPX_TmSltDef,<br>TSPX_TscDef, TimingAdv_01, '000'B, '001'B,<br>'011'B)                                                                                       |                                           |         |
| 30                    | (TCV_Null := OM_CphMd(TCV_chTch,<br>CphMod_01, TCV_CphKey))                                                                                                                            |                                           |         |
| 31                    | L!DL_DatRqCallProc<br>(DL_DatRqCallProc.msg.bcap1 :=<br>TCV_Bcap1)                                                                                                                     | CallProc_04(TCV_TI,<br>TCV_ch)            | 8.      |
| 32                    | L!DL_DatRqAlert                                                                                                                                                                        | Alert_01(TCV_TI,<br>TCV_ch)               |         |
| 33                    | +ltree_Asgn1                                                                                                                                                                           |                                           |         |
| 34                    | +AssCh_complete(TCV_ch,<br>TCV_chTch, TCV_AssCmd)                                                                                                                                      |                                           |         |
| 35                    | +localtree                                                                                                                                                                             |                                           |         |
| 36                    | [TCV_Rchr = '11'B]                                                                                                                                                                     |                                           | 11.     |
| 37                    | (TCV_Bcap1.rchr := '00'B)                                                                                                                                                              |                                           |         |
| 38                    | (TCV_chTch :=<br>OC_SubchOfFacchh(TSPX_TCHHSubDef,<br>C_CellA, 1), TCV_sacchTch :=<br>OC_SubchOfSacchh(TSPX_TCHHSubDef,<br>C_CellA, 1))                                                |                                           |         |
| 39                    | +HalfRateCh_A_def(C_Ass, TSPX_TmSltDef,<br>TSPX_TscDef, TimingAdv_01, '000'B, '001'B,<br>'011'B)                                                                                       |                                           | 12.     |
| 40                    | (TCV_Null := OM_CphMd(TCV_chTch,<br>CphMod_01, TCV_CphKey))                                                                                                                            |                                           |         |
| 41                    | L!DL_DatRqCallProc<br>(DL_DatRqCallProc.msg.bcap1 :=<br>TCV_Bcap1)                                                                                                                     | CallProc_04(TCV_TI,<br>TCV_ch)            | 13.     |
| 42                    | L!DL_DatRqAlert                                                                                                                                                                        | Alert_01(TCV_TI,<br>TCV_ch)               |         |
| 43                    | +ltree_Asgn2                                                                                                                                                                           |                                           |         |
| 44                    | +AssCh_complete(TCV_ch,<br>TCV_chTch, TCV_AssCmd)                                                                                                                                      |                                           |         |
| 45                    | +localtree                                                                                                                                                                             |                                           |         |
| <b>localtree</b>      |                                                                                                                                                                                        |                                           |         |
| 46                    | L!DL_DatRqConn                                                                                                                                                                         | Conn_01(TCV_TI,<br>TCV_chTch)             |         |
| 47                    | L?DL_DatInConnAck                                                                                                                                                                      | ConnAckRcv_01(TCV_<br>_TI0)               | (P)     |
| 48                    | (TCV_Res := OO_TCHThroConnCHK())                                                                                                                                                       |                                           |         |
| 49                    | [TCV_Res = FALSE]                                                                                                                                                                      |                                           | (F) 15. |
| 50                    | +RestoreCphKey(TCV_chTch)                                                                                                                                                              |                                           |         |
| 51                    | +PostMainLinkRel(TCV_chTch)                                                                                                                                                            |                                           |         |
| 52                    | [TCV_Res = TRUE]                                                                                                                                                                       |                                           | (P) 16. |
| 53                    | L!DL_DatRqDisc                                                                                                                                                                         | DiscSnd(TCV_chTch,<br>Disconn_07(TCV_TI)) |         |
| 54                    | L?DL_DatInRel                                                                                                                                                                          | ReleaseInd_06(TCV_<br>_TI0)               | (P)     |
| 55                    | L!DL_DatRqRelCmp                                                                                                                                                                       | RelCmpRq_05(TCV_<br>_TI, TCV_chTch)       |         |
| 56                    | +RestoreCphKey(TCV_chTch)                                                                                                                                                              |                                           |         |
| 57                    | +PostMainLinkRel(TCV_chTch)                                                                                                                                                            |                                           |         |
| <b>ltree_Asgn1</b>    |                                                                                                                                                                                        |                                           |         |

|                           |                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |
|---------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 58                        | [TSPC_PGSM OR TSPC_EGSM]                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |
| 59                        | (TCV_AssCmd := AsgnCmd_tchf(TSPX_TmSlitDef,<br>TSPX_TscDef))                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |
| 60                        | [TSPC_DCS]                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |
| 61                        | (TCV_AssCmd :=<br>AsgnCmd_dtchf(TSPX_TmSlitDef, TSPX_TscDef))                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |
|                           | <b>Itree_Asgn2</b>                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |
| 62                        | [TSPC_PGSM OR TSPC_EGSM]                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |
| 63                        | (TCV_AssCmd :=<br>AsgnCmd_tchh(TSPX_TCHHSubDef,<br>TSPX_TmSlitDef, TSPX_TscDef))  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |
| 64                        | [TSPC_DCS]                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |
| 65                        | (TCV_AssCmd :=<br>AsgnCmd_dtchh(TSPX_TCHHSubDef,<br>TSPX_TmSlitDef, TSPX_TscDef)) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |
| <b>Detailed Comments:</b> |                                                                                   | <ol style="list-style-type: none"> <li>1. To setup a physical channels as BCCH CCCH and SDCCH4 combined channel.</li> <li>2. CHANNEL REQUEST with "emergency call establishment" cause received.</li> <li>3. CM SERVICE REQUEST with "emergency call establishment" service type received.</li> <li>4. Authentication failed.</li> <li>5. Authentication passed.</li> <li>6. EMERGENCY SETUP with a BC indicating "dual rate/half rate preferred" or "dual rate/full rate preferred" received.</li> <li>7. "dual rate / half rate preferred" case. setup a physical channel as full rate traffic channel and the non-preferred full rate channel is to be assigned.</li> <li>8. To send CALL PROCEEDING message indicating the non-preferred channel rate (full rate).</li> <li>9. To assign a full rate traffic channel.</li> <li>10. The assignment procedure succeeds.</li> <li>11. "dual rate / full rate preferred" case. setup a physical channel as half rate traffic channel and the non-preferred half rate channel is to be assigned.</li> <li>12. To setup a physical channel as half rate traffic channel.</li> <li>13. To send CALL PROCEEDING message indicating the non-preferred channel rate (half rate).</li> <li>14. The assignment procedure succeeds.</li> <li>15. The TCH channel is not through connected, fail.</li> <li>16. The TCH channel is through connected.</li> </ol> |  |  |

### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_26_9_6_2_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Group:</b>          | GSM_L3_MS_v4160/StructureProc/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purpose:</b>        | <p>1) To verify that the MS in the "idle, no IMSI" state (no SIM inserted) when made to call the number 112, sends a CHANNEL REQUEST message with establishment cause "emergency call".</p> <p>2) To verify that after assignment of a dedicated channel the first layer message sent by the MS on the assigned dedicated channel is a CM SERVICE REQUEST message in which the cipher key sequence number IE indicates "no key is available", the CM service type IE indicates "emergency call establishment", and the mobile identity IE specifies the IMEI of the MS.</p> <p>3) To verify that after receipt of a CM SERVICE ACCEPT message from the SS, the MS sends an EMERGENCY SETUP message.</p> <p>4) To verify that subsequently, the SS having sent a CALL PROCEEDING message and then an ALERT message and having initiated the assignment procedure of an appropriate speech traffic channel, which, if the MS supports both TCH/FS and TCH/HS, is at the preferred rate, the MS performs correctly that assignment procedure.</p> <p>5) To verify subsequent correct performance of a connect procedure.</p> <p>6) To verify that subsequently the MS has through connected the TCH in both directions.</p> <p>7) To verify that the call is cleared correctly.</p> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Comments:</b>       | For this test case the SIM card shall be removed from the MS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

| Nr | Label | Behaviour Description                                                                                               | CRef                                                                    | V   | Comments                |
|----|-------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----|-------------------------|
| 1  |       | START T_guard(300)                                                                                                  |                                                                         |     |                         |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                |                                                                         |     |                         |
| 3  |       | +IdleUpdated(C_CellA, C_Imm, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                        |                                                                         |     |                         |
| 4  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA)) |                                                                         |     |                         |
| 5  |       | +PreEnterIdleState_03(C_Imm, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)               |                                                                         | 1.  |                         |
| 6  | body  | +AttmEmgCall                                                                                                        |                                                                         |     |                         |
| 7  |       | +BasicServiceMO(C_EmgCallSRV, TSPX_MO_rate_EmergencyCall)                                                           |                                                                         |     |                         |
| 8  |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                        | ChReq_18                                                                | (P) | 2.                      |
| 9  |       | ACTIVATE(OtherEventsFail_02)                                                                                        |                                                                         |     | To match ChReq retrans. |
| 10 |       | LIDL_UdatRqImm                                                                                                      | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |     |                         |
| 11 |       | L?DL_EstInCmsRq                                                                                                     | CmserReq_07                                                             | (P) | 3.                      |
| 12 |       | ACTIVATE(OtherEventsFail)                                                                                           |                                                                         |     | Restore Normal default  |
| 13 |       | LIDL_DatRqCmsAcp                                                                                                    | CmserAcp_01(TCV_ch)                                                     |     |                         |
| 14 |       | +localtree                                                                                                          |                                                                         |     |                         |
| 15 |       | <b>localtree</b>                                                                                                    |                                                                         |     |                         |
| 16 |       | +SetupRcvE(ESetup_04)                                                                                               |                                                                         |     | 4.                      |
| 17 |       | LIDL_DatRqCallProc                                                                                                  | CallProc(TCV_ch, TCV_CallProc)                                          |     |                         |
| 18 |       | LIDL_DatRqAlert                                                                                                     | Alert_01(TCV_TI, TCV_ch)                                                |     |                         |
| 19 |       | [TCV_ChMod.mode = C_ChMod_r]                                                                                        |                                                                         |     |                         |
| 20 |       | (TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_chtype := '00001'B)                                   |                                                                         |     |                         |
|    |       | +FullRateCh_A_def(C_Ass, TSPX_TmSltDef, TSPX_TscDef,                                                                |                                                                         |     | 2.                      |

|                           |                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |    |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 21                        | TimingAdv_01, '000'B, '001'B, '011'B)<br>(TCV_Null := OM_CphMd(TCV_chTch,<br>CphMod_01, TCV_CphKey))                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |    |
| 22                        | +ltree_Asgn1                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |    |
| 23                        | +AssCh_complete(TCV_ch,<br>TCV_chTch, TCV_AssCmd)                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |    |
| 24                        | +localtree1                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |    |
| 25                        | [TCV_ChMod.mode = C_ChMod2_r]                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |    |
| 26                        | (TCV_chTch :=<br>OC_SubchOfFacchh(TSPX_TCHHSubDef,<br>C_CellA, 1), TCV_sacchTch :=<br>OC_SubchOfSacchh(TSPX_TCHHSubDef,<br>C_CellA, 1),<br>TCV_chtype:=TSPX_TCHHSubDef) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |    |
| 27                        | +HalfRateCh_A_def(C_Ass,<br>TSPX_TmSltDef, TSPX_TscDef,<br>TimingAdv_01, '000'B, '001'B, '011'B)                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     | 3. |
| 28                        | (TCV_Null := OM_CphMd(TCV_chTch,<br>CphMod_01, TCV_CphKey))                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |    |
| 29                        | +ltree_Asgn2                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |    |
| 30                        | +AssCh_complete(TCV_ch,<br>TCV_chTch, TCV_AssCmd)                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |    |
| 31                        | +localtree1                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |    |
|                           | <b>localtree1</b>                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |    |
| 32                        | L?DL_DatInConnAck                                                                                                                                                       | ConnAckRcv_01(TCV<br>_TI0)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | (P) |    |
| 33                        | (TCV_Res := OO_TCHThroConnCHK())                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |    |
| 34                        | [TCV_Res = FALSE]                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (F) | 6. |
| 35                        | +PostMainLinkRel(TCV_chTch)                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |    |
| 36                        | [TCV_Res = TRUE]                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (P) | 7. |
| 37                        | LIDL_DatRqDisc                                                                                                                                                          | DiscSnd(TCV_chTch,<br>Disconn_07(TCV_TI))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |     |    |
| 38                        | L?DL_DatInRel                                                                                                                                                           | ReleaseInd_06(TCV_<br>TI0)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | (P) |    |
| 39                        | LIDL_DatRqRelCmp                                                                                                                                                        | RelCmpRq_05(TCV_<br>TI, TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |    |
| 40                        | LIDL_DatRqChRel                                                                                                                                                         | ChRel_01(TCV_chTc<br>h)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |    |
| 41                        | L?DL_Relln                                                                                                                                                              | DLRelInd_01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | (P) | 8. |
|                           | <b>ltree_Asgn1</b>                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |    |
| 42                        | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |    |
| 43                        | (TCV_AssCmd := AsgnCmd_tchf(TSPX_TmSltDef,<br>TSPX_TscDef))                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |    |
| 44                        | [TSPC_DCS]                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |    |
| 45                        | (TCV_AssCmd :=<br>AsgnCmd_dtchf(TSPX_TmSltDef, TSPX_TscDef))                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |    |
|                           | <b>ltree_Asgn2</b>                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |    |
| 46                        | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |    |
| 47                        | (TCV_AssCmd :=<br>AsgnCmd_tchh(TSPX_TCHHSubDef,<br>TSPX_TmSltDef, TSPX_TscDef))                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |    |
| 48                        | [TSPC_DCS]                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |    |
| 49                        | (TCV_AssCmd :=<br>AsgnCmd_dtchh(TSPX_TCHHSubDef,<br>TSPX_TmSltDef, TSPX_TscDef))                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |    |
| <b>Detailed Comments:</b> |                                                                                                                                                                         | <ol style="list-style-type: none"> <li>1. To setup a physical channel as BCCH CCCH and SDCCH4 combined channel.</li> <li>2. CHANNEL REQUEST with "emergency call establishment" cause received.</li> <li>3. CM SERVICE REQUEST with "emergency call establishment" service type received and the mobile identity IE specifies the IMEI of the MS, the classmark IE has the value specified in PIXIT.</li> <li>4. EMERGENCY SETUP with BC indicating or without BC received.</li> <li>5. To assign the traffic channel with preferred rate.</li> <li>6. The TCH channel is not through connected, fail.</li> <li>7. The TCH channel is through connected.</li> <li>8. Main signalling link is released.</li> </ol> |     |    |



### Test Case Dynamic Behaviour

**Test Case Name:** TC\_26\_9\_6\_2\_2  
**Group:** GSM\_L3\_MS\_v4160/StructureProc/  
**Purpose:** 1) To verify that the MS in the "idle, no IMSI" state (no SIM inserted) when made to call the number 112, sends a CHANNEL REQUEST message with establishment cause "emergency call".  
 2) To verify that after assignment of a dedicated channel the first layer message sent by the MS on the assigned dedicated channel is a CM SERVICE REQUEST message in which the cipher key sequence number IE indicates "no key is available", the CM service type IE indicates "emergency call establishment", and the mobile identity IE specifies the IMEI of the MS.  
 3) To verify that after receipt of a CM SERVICE REJECT message from the SS, the MS abandons the emergency call establishment.  
**Default:** OtherEventsFail  
**Comments:** For this test case the SIM card shall be removed from the MS.

| Nr | Label | Behaviour Description                                                                                               | CRef                                                                    | V   | Comments                |
|----|-------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----|-------------------------|
| 1  |       | START T_guard(300)                                                                                                  |                                                                         |     |                         |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                |                                                                         |     |                         |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                     |                                                                         |     |                         |
| 4  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA)) |                                                                         |     |                         |
| 5  |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)            |                                                                         |     | 1.                      |
| 6  | body  | +localtree                                                                                                          |                                                                         |     |                         |
|    |       | <b>localtree</b>                                                                                                    |                                                                         |     |                         |
| 7  |       | +AttmpEmgCall                                                                                                       |                                                                         |     |                         |
| 8  |       | +BasicServiceMO(C_EmgCallSRV, TSPX_MO_rate_EmergencyCall)                                                           |                                                                         |     |                         |
| 9  |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                     | ChReq_18                                                                | (P) | 2.                      |
| 10 |       | ACTIVATE(OtherEventsFail_02)                                                                                        |                                                                         |     | To match ChReq retrans. |
| 11 |       | LIDL_UdatRqImmass                                                                                                   | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |     |                         |
| 12 |       | L?DL_EstInCmsRq                                                                                                     | CmserReq_07                                                             | (P) | 3.                      |
| 13 |       | ACTIVATE(OtherEventsFail)                                                                                           |                                                                         |     | Restore Normal default  |
| 14 |       | LIDL_DatRqCmsRej                                                                                                    | CmserRej_02(TCV_ch)                                                     |     |                         |
| 15 |       | START T_dly(5000)                                                                                                   |                                                                         |     | 4.                      |
| 16 |       | ?TIMEOUT T_dly                                                                                                      |                                                                         |     |                         |
| 17 |       | +PostMainLinkRel(TCV_ch)                                                                                            |                                                                         |     |                         |
| 18 |       | START T_dly(20000)                                                                                                  |                                                                         |     | 5.                      |
| 19 |       | ?TIMEOUT T_dly                                                                                                      |                                                                         |     |                         |

**Detailed Comments:**

- To setup a physical channel as BCCH CCCH and SDCCH4.
- CHANNEL REQUEST with "emergency call" received.
- CM SERVICE REQUEST with "emergency call establishment", IMEI, "no key available" and classmark received.
- To check whether the MS sends any L 3 messages, the test case fails in the default tree if the MS does.
- To check whether the MS initiates an RR connection establishment, the test case fails in the default tree if the MS does.

## Test Group EGSMsignalling

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                          |                                             |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---|----------|
| <b>Test Case Name:</b>      |       | TC_26_10_2_1                                                                                                                                                                                                                                                                             |                                             |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/EGSMsignalling/                                                                                                                                                                                                                                                          |                                             |   |          |
| <b>Purpose:</b>             |       | To verify that the MS reports appropriate results when the test system gives information about neighbouring cells                                                                                                                                                                        |                                             |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                          |                                             |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                    | CRef                                        | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                       |                                             |   |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                     |                                             |   |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                          |                                             |   |          |
| 4                           |       | (TCV_Cnt:=0)                                                                                                                                                                                                                                                                             |                                             |   |          |
| 5                           |       | REPEAT ltree_loopForC UNTIL [TCV_Cnt =6]                                                                                                                                                                                                                                                 |                                             |   |          |
|                             |       | <b>ltree_loopForC</b>                                                                                                                                                                                                                                                                    |                                             |   |          |
| 6                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubA, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubA, C_CellA), TCV_sacch_B := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellB), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef)) |                                             |   |          |
| 7                           |       | +ltree_StartMultiCells                                                                                                                                                                                                                                                                   |                                             |   |          |
| 8                           |       | (TCV_Null := OM_CphMd(TCV_chTch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                                                 |                                             |   |          |
| 9                           | body  | +PreEnterCCstateU10_r03(TimingAdv_r01)                                                                                                                                                                                                                                                   |                                             |   |          |
| 10                          |       | (TCV_Null := OM_StartMsrReport(TCV_sacchTch))                                                                                                                                                                                                                                            |                                             |   |          |
| 11                          |       | +ltree_receiveMsrRept                                                                                                                                                                                                                                                                    |                                             |   |          |
| 12                          |       | +gsmOrDcs1(1, 2)                                                                                                                                                                                                                                                                         |                                             |   |          |
| 13                          |       | START T_dly1(960)                                                                                                                                                                                                                                                                        |                                             |   | 960 ms   |
| 14                          |       | +ltree_receiveMsrRept2                                                                                                                                                                                                                                                                   |                                             |   |          |
| 15                          |       | +gsmOrDcs1(1, 2)                                                                                                                                                                                                                                                                         |                                             |   |          |
| 16                          |       | (TCV_Null := OM_StopMsrReport(TCV_sacchTch))                                                                                                                                                                                                                                             |                                             |   |          |
| 17                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                              |                                             |   |          |
| 18                          |       | +execution2                                                                                                                                                                                                                                                                              |                                             |   |          |
|                             |       | <b>execution2</b>                                                                                                                                                                                                                                                                        |                                             |   |          |
| 19                          |       | +ltree_sysinfo5and5bis                                                                                                                                                                                                                                                                   |                                             |   | 1.       |
| 20                          |       | +PreEnterCCstateU10_r03(TimingAdv_r01)                                                                                                                                                                                                                                                   |                                             |   |          |
| 21                          |       | (TCV_Null := OM_StartMsrReport(TCV_sacchTch))                                                                                                                                                                                                                                            |                                             |   |          |
| 22                          |       | +ltree_receiveMsrRept                                                                                                                                                                                                                                                                    |                                             |   |          |
| 23                          |       | +gsmOrDcs1(1, 3)                                                                                                                                                                                                                                                                         |                                             |   |          |
| 24                          |       | START T_dly1(960)                                                                                                                                                                                                                                                                        |                                             |   | 960 ms   |
| 25                          |       | +ltree_receiveMsrRept2                                                                                                                                                                                                                                                                   |                                             |   |          |
| 26                          |       | +gsmOrDcs1(1, 3)                                                                                                                                                                                                                                                                         |                                             |   |          |
| 27                          |       | (TCV_Null := OM_StopMsrReport(TCV_sacchTch))                                                                                                                                                                                                                                             |                                             |   |          |
| 28                          |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                              |                                             |   |          |
| 29                          |       | (TCV_Cnt:=(TCV_Cnt +1))                                                                                                                                                                                                                                                                  |                                             |   |          |
|                             |       | <b>ltree_sysinfo5and5bis</b>                                                                                                                                                                                                                                                             |                                             |   |          |
| 30                          |       | [TCV_Cnt = 1]                                                                                                                                                                                                                                                                            |                                             |   |          |
| 31                          |       | LIDL_UdatRqSysinfo5                                                                                                                                                                                                                                                                      | SysInfo5_01(TCV_sacch, BcchFreqLst_e201)    |   |          |
| 32                          |       | LIDL_UdatRqSysinfo5bis                                                                                                                                                                                                                                                                   | SysInfo5bis_01(TCV_sacch, BcchFreqLst_e207) |   |          |
| 33                          |       | [TCV_Cnt = 2]                                                                                                                                                                                                                                                                            |                                             |   |          |

|    |                                                            |                                                |        |
|----|------------------------------------------------------------|------------------------------------------------|--------|
| 34 | LIDL_UdatRqSysinfo5                                        | SysInfo5_01(TCV_sacch,<br>BcchFreqLst_e202)    |        |
| 35 | LIDL_UdatRqSysinfo5bis                                     | SysInfo5bis_01(TCV_sacch,<br>BcchFreqLst_e208) |        |
| 36 | [TCV_Cnt = 3]                                              |                                                |        |
| 37 | LIDL_UdatRqSysinfo5                                        | SysInfo5_01(TCV_sacch,<br>BcchFreqLst_e203)    |        |
| 38 | LIDL_UdatRqSysinfo5bis                                     | SysInfo5bis_01(TCV_sacch,<br>BcchFreqLst_e209) |        |
| 39 | [TCV_Cnt = 4]                                              |                                                |        |
| 40 | LIDL_UdatRqSysinfo5                                        | SysInfo5_01(TCV_sacch,<br>BcchFreqLst_e204)    |        |
| 41 | LIDL_UdatRqSysinfo5bis                                     | SysInfo5bis_01(TCV_sacch,<br>BcchFreqLst_e210) |        |
| 42 | [TCV_Cnt = 5]                                              |                                                |        |
| 43 | LIDL_UdatRqSysinfo5                                        | SysInfo5_01(TCV_sacch,<br>BcchFreqLst_e205)    |        |
| 44 | LIDL_UdatRqSysinfo5bis                                     | SysInfo5bis_01(TCV_sacch,<br>BcchFreqLst_e211) |        |
| 45 | [TCV_Cnt = 6]                                              |                                                |        |
| 46 | LIDL_UdatRqSysinfo5                                        | SysInfo5_01(TCV_sacch,<br>BcchFreqLst_e206)    |        |
| 47 | LIDL_UdatRqSysinfo5bis                                     | SysInfo5bis_01(TCV_sacch,<br>BcchFreqLst_e212) |        |
|    | <b>gsmOrDcs1(in1, in2:INTEGER)</b>                         |                                                |        |
| 48 | [TSPC_EGSM = TRUE]                                         |                                                |        |
| 49 | (TCV_Res := OC_MsrReptChk(TCV_MsrRes, in1))                |                                                |        |
| 50 | [TCV_Res = FALSE]                                          |                                                | (F)    |
| 51 | [TCV_Res = TRUE]                                           |                                                | (P)    |
|    | <b>ltree_receiveMsrRept</b>                                |                                                |        |
| 52 | [TCV_Cnt = 1]                                              |                                                |        |
| 53 | L?DL_UdatInMsrRpt (TCV_MsrRes := DL_UdatInMsrRpt.msg.msrr) | MsrRept_03e(MsrRes ult_03e1)                   |        |
| 54 | [TCV_Cnt = 2]                                              |                                                |        |
| 55 | L?DL_UdatInMsrRpt (TCV_MsrRes := DL_UdatInMsrRpt.msg.msrr) | MsrRept_03e(MsrRes ult_03e2)                   |        |
| 56 | [TCV_Cnt = 3]                                              |                                                |        |
| 57 | L?DL_UdatInMsrRpt (TCV_MsrRes := DL_UdatInMsrRpt.msg.msrr) | MsrRept_03e(MsrRes ult_03e3)                   |        |
| 58 | [TCV_Cnt = 4]                                              |                                                |        |
| 59 | L?DL_UdatInMsrRpt (TCV_MsrRes := DL_UdatInMsrRpt.msg.msrr) | MsrRept_03e(MsrRes ult_03e4)                   |        |
| 60 | [TCV_Cnt = 5]                                              |                                                |        |
| 61 | L?DL_UdatInMsrRpt (TCV_MsrRes := DL_UdatInMsrRpt.msg.msrr) | MsrRept_03e(MsrRes ult_03e5)                   |        |
| 62 | [TCV_Cnt = 6]                                              |                                                |        |
| 63 | L?DL_UdatInMsrRpt (TCV_MsrRes := DL_UdatInMsrRpt.msg.msrr) | MsrRept_04e                                    |        |
|    | <b>ltree_receiveMsrRept2</b>                               |                                                |        |
| 64 | [TCV_Cnt = 1]                                              |                                                |        |
| 65 | ?TIMEOUT T_dly1                                            |                                                | (F) 1. |
| 66 | +PostMainLinkRel(TCV_chTch)                                |                                                |        |
| 67 | L?DL_UdatInMsrRpt (TCV_MsrRes := DL_UdatInMsrRpt.msg.msrr) | MsrRept_03e(MsrRes ult_03e1)                   |        |
| 68 | [TCV_Cnt = 2]                                              |                                                |        |
| 69 | ?TIMEOUT T_dly1                                            |                                                | (F) 1. |

|                           |                                                                                                                                                          |                                                                                                                    |     |    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----|----|
| 70                        | +PostMainLinkRel(TCV_chTch)                                                                                                                              |                                                                                                                    |     |    |
| 71                        | L?DL_UdatInMsRpt (TCV_MsrRes :=<br>DL_UdatInMsRpt.msg.msrr)                                                                                              | MsrRept_03e(MsrRes<br>ult_03e2)                                                                                    |     |    |
| 72                        | [TCV_Cnt = 3]                                                                                                                                            |                                                                                                                    |     |    |
| 73                        | ?TIMEOUT T_dly1                                                                                                                                          |                                                                                                                    | (F) | 1. |
| 74                        | +PostMainLinkRel(TCV_chTch)                                                                                                                              |                                                                                                                    |     |    |
| 75                        | L?DL_UdatInMsRpt (TCV_MsrRes :=<br>DL_UdatInMsRpt.msg.msrr)                                                                                              | MsrRept_03e(MsrRes<br>ult_03e3)                                                                                    |     |    |
| 76                        | [TCV_Cnt = 4]                                                                                                                                            |                                                                                                                    |     |    |
| 77                        | ?TIMEOUT T_dly1                                                                                                                                          |                                                                                                                    | (F) | 1. |
| 78                        | +PostMainLinkRel(TCV_chTch)                                                                                                                              |                                                                                                                    |     |    |
| 79                        | L?DL_UdatInMsRpt (TCV_MsrRes :=<br>DL_UdatInMsRpt.msg.msrr)                                                                                              | MsrRept_03e(MsrRes<br>ult_03e4)                                                                                    |     |    |
| 80                        | [TCV_Cnt = 5]                                                                                                                                            |                                                                                                                    |     |    |
| 81                        | ?TIMEOUT T_dly1                                                                                                                                          |                                                                                                                    | (F) | 1. |
| 82                        | +PostMainLinkRel(TCV_chTch)                                                                                                                              |                                                                                                                    |     |    |
| 83                        | L?DL_UdatInMsRpt (TCV_MsrRes :=<br>DL_UdatInMsRpt.msg.msrr)                                                                                              | MsrRept_03e(MsrRes<br>ult_03e5)                                                                                    |     |    |
| 84                        | [TCV_Cnt = 6]                                                                                                                                            |                                                                                                                    |     |    |
| 85                        | ?TIMEOUT T_dly1                                                                                                                                          |                                                                                                                    | (F) | 1. |
| 86                        | +PostMainLinkRel(TCV_chTch)                                                                                                                              |                                                                                                                    |     |    |
| 87                        | L?DL_UdatInMsRpt (TCV_MsrRes :=<br>DL_UdatInMsRpt.msg.msrr)                                                                                              | MsrRept_04e                                                                                                        |     |    |
|                           | <b>Itree_StartMultiCells</b>                                                                                                                             |                                                                                                                    |     |    |
| 88                        | [TCV_Cnt = 0]                                                                                                                                            |                                                                                                                    |     |    |
| 89                        | +StartMultiCells_02(BcchFreqLst_21,<br>BcchFreqLst_27, C_Immass, TCV_slot, TCV_tsc,<br>TimingAdv_r01, TimingAdv_01, 0, '000'B, '001'B,<br>'011'B, '00'O) |                                                                                                                    |     |    |
| 90                        | [TCV_Cnt = 1]                                                                                                                                            |                                                                                                                    |     |    |
| 91                        | +StartMultiCells_02e(BcchFreqLst_e201,<br>BcchFreqLst_27, C_Immass, TCV_slot, TCV_tsc,<br>TimingAdv_01, 0, '000'B, '001'B, '011'B, '00'O)                |                                                                                                                    |     |    |
| 92                        | [TCV_Cnt = 2]                                                                                                                                            |                                                                                                                    |     |    |
| 93                        | +StartMultiCells_02e(BcchFreqLst_e202,<br>BcchFreqLst_27, C_Immass, TCV_slot, TCV_tsc,<br>TimingAdv_01, 0, '000'B, '001'B, '011'B, '00'O)                |                                                                                                                    |     |    |
| 94                        | [TCV_Cnt = 3]                                                                                                                                            |                                                                                                                    |     |    |
| 95                        | +StartMultiCells_02e(BcchFreqLst_e203,<br>BcchFreqLst_27, C_Immass, TCV_slot, TCV_tsc,<br>TimingAdv_01, 0, '000'B, '001'B, '011'B, '00'O)                |                                                                                                                    |     |    |
| 96                        | [TCV_Cnt = 4]                                                                                                                                            |                                                                                                                    |     |    |
| 97                        | +StartMultiCells_02e(BcchFreqLst_e204,<br>BcchFreqLst_27, C_Immass, TCV_slot, TCV_tsc,<br>TimingAdv_01, 0, '000'B, '001'B, '011'B, '00'O)                |                                                                                                                    |     |    |
| 98                        | [TCV_Cnt = 5]                                                                                                                                            |                                                                                                                    |     |    |
| 99                        | +StartMultiCells_02e(BcchFreqLst_e205,<br>BcchFreqLst_27, C_Immass, TCV_slot, TCV_tsc,<br>TimingAdv_01, 0, '000'B, '001'B, '011'B, '00'O)                |                                                                                                                    |     |    |
| 100                       | [TCV_Cnt = 6]                                                                                                                                            |                                                                                                                    |     |    |
| 101                       | +StartMultiCells_02e(BcchFreqLst_e206,<br>BcchFreqLst_27, C_Immass, TCV_slot, TCV_tsc,<br>TimingAdv_01, 0, '000'B, '001'B, '011'B, '00'O)                |                                                                                                                    |     |    |
| <b>Detailed Comments:</b> |                                                                                                                                                          | 1. The interval between 2 successive layer 2 frames containing MEASUREMENT REPORT exceeds one layer 2 frame, fail. |     |    |

| Test Case Dynamic Behaviour |       |                                                                                                          |                                                                                                |     |                         |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_10_2_2                                                                                             |                                                                                                |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/EGSMsignalling/                                                                          |                                                                                                |     |                         |
| <b>Purpose:</b>             |       | To verify that the MS can correctly set up a dedicated control channel when E-GSM frequencies are used.  |                                                                                                |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                          |                                                                                                |     |                         |
| Nr                          | Label | Behaviour Description                                                                                    | CRef                                                                                           | V   | Comments                |
| 1                           | pre   | START T_guard(300)                                                                                       |                                                                                                |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                     |                                                                                                |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)          |                                                                                                |     |                         |
| 4                           |       | +localtree_varinit                                                                                       |                                                                                                |     |                         |
| 5                           |       | +PreEnterIdleState_22(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '000'B, '011'B, '00'O) |                                                                                                |     |                         |
| 6                           |       | (TCV_sacch8 := OC_SubchOfSacch8(TSPX_SDCCH8SubA, C_CellA, 1))                                            |                                                                                                |     |                         |
| 7                           |       | +SDCCH8_E_A_1_1(C_Ass, TSPX_TmSltNotZero, TSPX_TscDef, TimingAdv_01, '000'B, '000'B, '011'B)             |                                                                                                |     | for 1)                  |
| 8                           |       | +SysInfo_5bisSending(TCV_sacch8, TCV_sysinfo5bis)                                                        |                                                                                                |     |                         |
| 9                           |       | (TCV_sacch8 := OC_SubchOfSacch8(TSPX_SDCCH8SubB, C_CellA, 2))                                            |                                                                                                |     |                         |
| 10                          |       | +SDCCH8_E_A_2_1(C_Ass, TSPX_TmSltNotZero, TSPX_TscDef, TimingAdv_01, '000'B, '000'B, '011'B)             |                                                                                                |     | for 2)                  |
| 11                          |       | +SysInfo_5bisSending(TCV_sacch8, TCV_sysinfo5bis)                                                        |                                                                                                |     |                         |
| 12                          |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                           |                                                                                                |     |                         |
| 13                          | body  | REPEAT localtree_body<br>UNTIL [TCV_Cnt =2]                                                              |                                                                                                |     |                         |
| 14                          |       | <b>localtree_body</b><br>L!DL_UdatRqPg1Rq                                                                | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                                                         |     |                         |
| 15                          |       | L?DL_RaInChRq ( TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                            | ChReq_01                                                                                       |     |                         |
| 16                          |       | ACTIVATE(OtherEventsFail_02)                                                                             |                                                                                                |     | To match ChReq retrans. |
| 17                          |       | +ltree_send_immass                                                                                       |                                                                                                |     |                         |
| 18                          |       | L?DL_EstInPgRes                                                                                          | PgRes_02(TCV_ch)                                                                               | (P) |                         |
| 19                          |       | ACTIVATE(OtherEventsFail)                                                                                |                                                                                                |     | Restore Normal default  |
| 20                          |       | +ChanRel(TCV_ch)                                                                                         |                                                                                                |     |                         |
| 21                          |       | (TCV_Cnt := TCV_Cnt + 1)                                                                                 |                                                                                                |     |                         |
| 22                          |       | <b>ltree_send_immass</b><br>[TCV_Cnt = 1]                                                                |                                                                                                |     |                         |
| 23                          |       | L!DL_UdatRqImmass                                                                                        | ImmAss_E_01(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TSPX_TscDef, TCV_chdescr_arfcn, TimingAdv_01) |     | 1)                      |
| 24                          |       | (TCV_ch := OC_SubchOfSdcch8(TSPX_SDCCH8SubA, C_CellA, 1))                                                |                                                                                                |     |                         |
| 25                          |       | [TCV_Cnt = 2]                                                                                            |                                                                                                |     |                         |
| 26                          |       | L!DL_UdatRqImmass                                                                                        | ImmAss_E_02(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TSPX_TscDef, TimingAdv_01)                    |     | 2)                      |
| 27                          |       | (TCV_ch := OC_SubchOfSdcch8(TSPX_SDCCH8SubB, C_CellA, 2))                                                |                                                                                                |     |                         |

|                           |  |                                                                                                                                                |  |  |  |
|---------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| 28                        |  | <b>localtree_varinit</b>                                                                                                                       |  |  |  |
| 29                        |  | +Varinit_fixcommon<br>(TCV_cellid:=C_CellA, TCV_PgCh:= C_PCH_A_1,<br>TCV_chdescr_arfcn:= 1015, TCV_ia_ts:=<br>TSPX_TmSlitNotZero, TCV_Cnt:= 0) |  |  |  |
| <b>Detailed Comments:</b> |  | 1) Immediate Assignment with single RF on ARFCN=1015<br>2) Immediate Assignment with frequency hopping                                         |  |  |  |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                  |   |                         |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---|-------------------------|
| <b>Test Case Name:</b>      |       | TC_26_10_2_3                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                  |   |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/EGSMsignalling/                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                  |   |                         |
| <b>Purpose:</b>             |       | <p>1. To verify that upon receipt of an ASSIGNMENT COMMAND, the MS switches to the channel defined in the ASSIGNMENT COMMAND, establishes the link and sends an ASSIGNMENT COMPLETE message.</p> <p>2. To verify that an MS, having received an ASSIGNMENT COMMAND, is able in case of frequency hopping to decode the mobile allocation and frequency list correctly and applies the specified frequencies.</p> |                                                                                  |   |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                  |   |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                            | CRef                                                                             | V | Comments                |
| 1                           | pre   | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                  |   |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                             |                                                                                  |   |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                  |                                                                                  |   |                         |
| 4                           |       | +localtree_varinit                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                  |   |                         |
| 5                           |       | +PreEnterIdleState_23(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                         |                                                                                  |   |                         |
| 6                           |       | +SDCCH8_A_1_1(C_Ass, TSPX_TmSlDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                                                                                                                                                                                            |                                                                                  |   |                         |
| 7                           |       | +SysInfo_5bisSending(TCV_sacch8, TCV_sysinfo5bis)                                                                                                                                                                                                                                                                                                                                                                |                                                                                  |   |                         |
| 8                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                                                                                                                   |                                                                                  |   |                         |
| 9                           | body  | REPEAT localtree_body UNTIL [TCV_Cnt =2]                                                                                                                                                                                                                                                                                                                                                                         |                                                                                  |   |                         |
|                             |       | <b>localtree_body</b>                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                  |   |                         |
| 10                          |       | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                                                                                 | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                                           |   |                         |
| 11                          |       | L?DL_RaInChRq ( TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                                    | ChReq_01                                                                         |   |                         |
| 12                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                  |   | To match ChReq retrans. |
| 13                          |       | L!DL_UdatRqImmass                                                                                                                                                                                                                                                                                                                                                                                                | ImmAss_27( TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_01) |   |                         |
| 14                          |       | L?DL_EstInPgRes                                                                                                                                                                                                                                                                                                                                                                                                  | PgRes_02(TCV_ch)                                                                 |   |                         |
| 15                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                  |   | Restore Normal default  |
| 16                          |       | +ltree_chtype                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  |   |                         |
| 17                          |       | +ltree_send_ch_assign                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                  |   |                         |
| 18                          |       | +ChanRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                  |   |                         |
| 19                          |       | (TCV_Cnt := (TCV_Cnt + 1))                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                  |   | Loop for K              |
|                             |       | <b>ltree_chtype</b>                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                  |   |                         |
| 20                          |       | [TSPC_FullRateSpeech = TRUE]                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                  |   |                         |
| 21                          |       | (TCV_chtype := '00001'B)                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                  |   | for TCH                 |
| 22                          |       | [TSPC_FullRateSpeech = FALSE]                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  |   |                         |
| 23                          |       | (TCV_chtype := INT_TO_BIT((8 + BIT_TO_INT(TSPX_SDCCH8SubA)),5))                                                                                                                                                                                                                                                                                                                                                  |                                                                                  |   | for SDCCH8              |
|                             |       | <b>ltree_send_ch_assign</b>                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                  |   |                         |
| 24                          |       | [TCV_Cnt = 1]                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  |   |                         |
| 25                          |       | (TCV_asscmd_ts :=INT_TO_BIT(((BIT_TO_INT(TSPX_TmSlA) + 1) MOD 8), 3), TCV_Cnt1 := 1)                                                                                                                                                                                                                                                                                                                             |                                                                                  |   |                         |
| 26                          |       | REPEAT ltree_assign1 UNTIL [TCV_Cnt1 =6]                                                                                                                                                                                                                                                                                                                                                                         |                                                                                  |   |                         |
| 27                          |       | [TCV_Cnt = 2]                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  |   |                         |
| 28                          |       | (TCV_Cnt1 := 1)                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                  |   |                         |
| 29                          |       | REPEAT ltree_assign2 UNTIL [TCV_Cnt1 =6]                                                                                                                                                                                                                                                                                                                                                                         |                                                                                  |   |                         |

|    |                                                                                                                                          |            |
|----|------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 30 | <b>ltree_assign1</b>                                                                                                                     |            |
| 31 | +ltree_assign1_setup                                                                                                                     |            |
| 32 | +ltree_chnassign1                                                                                                                        |            |
| 33 | (TCV_AssCmd :=<br>AsgnCmd_22_Ae1(TCV_asscmd_ts,TCV_chtype,<br>TCV_flist, TCV_flistl))                                                    |            |
| 34 | +AssCh_complete(TCV_ch,TCV_chTch,TCV_AssCmd)                                                                                             | 1)         |
| 35 | (TCV_Cnt1 := (TCV_Cnt1 + 1))                                                                                                             | Loop for C |
| 36 | <b>ltree_assign2</b>                                                                                                                     |            |
| 37 | +ltree_assign2_setup                                                                                                                     |            |
| 38 | +ltree_asscmdsending                                                                                                                     |            |
| 39 | (TCV_Cnt1 := (TCV_Cnt1 + 1))                                                                                                             |            |
| 40 | <b>ltree_asscmdsending</b>                                                                                                               |            |
| 41 | [TCV_Cnt1 = 4]                                                                                                                           |            |
| 42 | +ltree_chnassign1                                                                                                                        | 3)         |
| 43 | (TCV_AssCmd :=<br>AsgnCmd_22_Ae2(TCV_asscmd_ts,<br>TCV_chtype, TCV_cchdescr,TCV_mae1))                                                   |            |
| 44 | +AssCh_complete(TCV_ch,TCV_chTch,TCV_AssCmd)                                                                                             | 2)         |
| 45 | [TCV_Cnt1 <> 4]                                                                                                                          |            |
| 46 | +ltree_chnassign2                                                                                                                        | 4)         |
| 47 | (TCV_AssCmd :=<br>AsgnCmd_22_Ae3(TCV_asscmd_ts,<br>TCV_chtype, TCV_cchdescr,TCV_mae1,<br>TCV_mae2))                                      |            |
| 48 | +AssCh_complete(TCV_ch,TCV_chTch,TCV_AssCmd)                                                                                             | 2)         |
| 49 | <b>ltree_chnassign1</b>                                                                                                                  |            |
| 50 | [TSPC_FullRateSpeech = TRUE]                                                                                                             | 1)         |
| 51 | (TCV_chTch:= C_FACCHF_A_1, TCV_sacchTch:=<br>C_SACCHF_A_1)                                                                               |            |
| 52 | +FullRateCh_E_A_1F1(C_Ass, TCV_asscmd_ts,<br>TCV_tsc, TimingAdv_01,TCV_mae1,TCV_flist,<br>TCV_flistl, '000'B, '001'B, '011'B)            |            |
| 53 | +SysInfo_5bisSending(TCV_sacchTch,<br>TCV_sysinfo5bis)                                                                                   |            |
| 54 | [TSPC_FullRateSpeech = FALSE]                                                                                                            | 2)         |
| 55 | (TCV_chTch := OC_SubchOfSdcch8(<br>TSPX_SDCCH8SubA, C_CellA, 1), TCV_sacch8 :=<br>OC_SubchOfSacch8( TSPX_SDCCH8SubA,<br>C_CellA, 1))     |            |
| 56 | +SDCCH8_E_A_1F1(C_Ass, TCV_asscmd_ts,<br>TCV_tsc, TimingAdv_01,TCV_mae1,TCV_flist,<br>TCV_flistl, '000'B, '001'B, '011'B)                |            |
| 57 | +SysInfo_5bisSending(TCV_sacch8,<br>TCV_sysinfo5bis)                                                                                     |            |
| 58 | <b>ltree_chnassign2</b>                                                                                                                  |            |
| 59 | [TSPC_FullRateSpeech = TRUE]                                                                                                             | 1)         |
| 60 | (TCV_chTch:= C_FACCHF_A_1, TCV_sacchTch:=<br>C_SACCHF_A_1)                                                                               |            |
| 61 | +FullRateCh_E_A_1F2(C_Ass, TCV_asscmd_ts,<br>TCV_tsc, TimingAdv_01,TCV_mae1, TCV_mae2,<br>TCV_flist, TCV_flistl, '000'B, '001'B, '011'B) |            |
| 62 | +SysInfo_5bisSending(TCV_sacchTch,<br>TCV_sysinfo5bis)                                                                                   |            |
| 63 | [TSPC_FullRateSpeech = FALSE]                                                                                                            | 2)         |
| 64 | (TCV_chTch := OC_SubchOfSdcch8(<br>TSPX_SDCCH8SubA, C_CellA, 1), TCV_sacch8 :=<br>OC_SubchOfSacch8( TSPX_SDCCH8SubA,<br>C_CellA, 1))     |            |
| 65 | +SDCCH8_E_A_1F2(C_Ass, TCV_asscmd_ts,<br>TCV_tsc, TimingAdv_01,TCV_mae1, TCV_mae2,<br>TCV_flist, TCV_flistl, '000'B, '001'B, '011'B)     |            |
| 66 | +SysInfo_5bisSending(TCV_sacch8,<br>TCV_sysinfo5bis)                                                                                     |            |



|                           |                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                              |    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
|                           | TCV_sysinfo5bis)                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                              |    |
|                           | <b>ltree_assign1_setup</b>                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                              |    |
| 62                        | [TCV_Cnt1 = 1]                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                              |    |
| 63                        | (TCV_flist := C_flist_e_401, TCV_flistl:=04'O,<br>TCV_mae1:=00000111'B)                                                                                                                                                                                                                                              |                                                                                                                                                                                                                              |    |
| 64                        | [TCV_Cnt1 = 2]                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                              |    |
| 65                        | (TCV_flist := C_flist_e_402, TCV_flistl:=06'O,<br>TCV_mae1:=00011111'B)                                                                                                                                                                                                                                              |                                                                                                                                                                                                                              |    |
| 66                        | [TCV_Cnt1 = 3]                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                              |    |
| 67                        | (TCV_flist := C_flist_e_403, TCV_flistl:=06'O,<br>TCV_mae1:=00001111'B)                                                                                                                                                                                                                                              |                                                                                                                                                                                                                              |    |
| 68                        | [TCV_Cnt1 = 4]                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                              |    |
| 69                        | (TCV_flist := C_flist_e_404, TCV_flistl:=06'O,<br>TCV_mae1:=00001111'B)                                                                                                                                                                                                                                              |                                                                                                                                                                                                                              |    |
| 70                        | [TCV_Cnt1 = 5]                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                              |    |
| 71                        | (TCV_flist := C_flist_e_405, TCV_flistl:=07'O,<br>TCV_mae1:=00111111'B)                                                                                                                                                                                                                                              |                                                                                                                                                                                                                              |    |
| 72                        | [TCV_Cnt1 = 6]                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                              |    |
| 73                        | (TCV_flist := C_flist_e_406, TCV_flistl:=10'O,<br>TCV_mae1:=00000111'B)                                                                                                                                                                                                                                              |                                                                                                                                                                                                                              |    |
|                           | <b>ltree_assign2_setup</b>                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                              |    |
| 74                        | [TCV_Cnt1 = 1]                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                              |    |
| 75                        | (TCV_cchdescr := C_cchd_e_407,<br>TCV_mae1:=00011100'B,<br>TCV_mae2:=00000000'B,<br>TCV_flist:=C_flist_e_407, TCV_flistl:=05'O)                                                                                                                                                                                      |                                                                                                                                                                                                                              |    |
| 76                        | [TCV_Cnt1 = 2]                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                              |    |
| 77                        | (TCV_cchdescr := C_cchd_e_408,<br>TCV_mae1:=00000000'B,<br>TCV_mae2:=11111000'B, TCV_flist:=<br>C_flist_e_408, TCV_flistl:=0D'O)                                                                                                                                                                                     |                                                                                                                                                                                                                              |    |
| 78                        | [TCV_Cnt1 = 3]                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                              |    |
| 79                        | (TCV_cchdescr := C_cchd_e_409,<br>TCV_mae1:=00000000'B,<br>TCV_mae2:=00001111'B, TCV_flist:=<br>C_flist_e_409, TCV_flistl:=10'O)                                                                                                                                                                                     |                                                                                                                                                                                                                              |    |
| 80                        | [TCV_Cnt1 = 4]                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                              |    |
| 81                        | (TCV_cchdescr := C_cchd_e_415,<br>TCV_mae1:=11100011'B, TCV_flist:=<br>C_flist_e_415, TCV_flistl:=09'O)                                                                                                                                                                                                              |                                                                                                                                                                                                                              |    |
| 82                        | [TCV_Cnt1 = 5]                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                              |    |
| 83                        | (TCV_cchdescr := C_cchd_e_411,<br>TCV_mae1:=00000001'B,<br>TCV_mae2:=11110000'B, TCV_flist:=<br>C_flist_e_411, TCV_flistl:=07'O)                                                                                                                                                                                     |                                                                                                                                                                                                                              |    |
| 84                        | [TCV_Cnt1 = 6]                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                              |    |
| 85                        | (TCV_cchdescr := C_cchd_e_412,<br>TCV_mae1:=00000000'B,<br>TCV_mae2:=00000111'B, TCV_flist:=<br>C_flist_e_412, TCV_flistl:=10'O)                                                                                                                                                                                     |                                                                                                                                                                                                                              |    |
|                           | <b>localtree_varinit</b>                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                              |    |
| 86                        | +Varinit_fixcommon                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                              |    |
| 87                        | (TCV_cellid:=C_CellA, TCV_PgCh:= C_PCH_A_1,<br>TCV_chdescr_arfcn:= 20, TCV_ia_ts:=<br>TSPX_TmSlta, TCV_ch := OC_SubchOfSdcch8(<br>TSPX_SDCCH8SubDef, C_CellA, 1), TCV_sacch8<br>:= OC_SubchOfSacch8( TSPX_SDCCH8SubDef,<br>C_CellA, 1), TCV_sacch := OC_SubchOfSacch4(<br>TSPX_SDCCH4SubDef, C_CellA), TCV_Cnt := 0) |                                                                                                                                                                                                                              | 2) |
| <b>Detailed Comments:</b> |                                                                                                                                                                                                                                                                                                                      | 1) Assignment Command without Cell Channel Description IE<br>2) Assignment Command with Cell Channel Description IE<br>3) Length of mobile allocation contents is 1 octet<br>4) PDU contains Mobile Allocation with 2 octets |    |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                              |                                |     |            |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----|------------|
| <b>Test Case Name:</b>      |       | TC_26_10_2_4_1                                                                                                                                                                                                                                                               |                                |     |            |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/EGSMsignalling/                                                                                                                                                                                                                                              |                                |     |            |
| <b>Purpose:</b>             |       | To check that the MS correctly performs a non-synchronized handover, from a non hopping primary band SDCCH to a hopping TCH or SDCCH using E-GSM frequencies, whatever the coding used for the hopping sequence description and that it activates the new channel correctly. |                                |     |            |
|                             |       | This tested in the following case:                                                                                                                                                                                                                                           |                                |     |            |
|                             |       | E-GSM signalling/ Handover / successful / call under establishment / non-synchronized /                                                                                                                                                                                      |                                |     |            |
|                             |       | - from SDCCH/8 to TCH/F if the MS supports a TCH                                                                                                                                                                                                                             |                                |     |            |
|                             |       | - from SDCCH/8 to SDCCH/8 if not                                                                                                                                                                                                                                             |                                |     |            |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                              |                                |     |            |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                        | CRef                           | V   | Comments   |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                           |                                |     |            |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                         |                                |     |            |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                              |                                |     |            |
| 4                           |       | +ltree_timingadv_init                                                                                                                                                                                                                                                        |                                |     |            |
| 5                           |       | +PreEnterIdleState_202e(C_NotCombined, C_NotCombined, C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TCV_TimingAdv, '000'B, '000'B, '000'B, '011'B, '00'O)                                                                                                                            |                                |     |            |
| 6                           |       | +SDCCH8_E_A_1_1F1(C_Ass, TCV_ia_ts, TCV_tsc, TCV_TimingAdv, TCV_mae1, TCV_flist, TCV_flistl, '000'B, '000'B, '011'B)                                                                                                                                                         |                                |     |            |
| 7                           | body  | (TCV_Cnt2 := 0)                                                                                                                                                                                                                                                              |                                |     |            |
| 8                           |       | REPEAT localtree_body UNTIL [TCV_Cnt2 = 3]                                                                                                                                                                                                                                   |                                |     | Loop for k |
| <b>localtree_body</b>       |       |                                                                                                                                                                                                                                                                              |                                |     |            |
| 9                           |       | (TCV_Cnt1 := 0)                                                                                                                                                                                                                                                              |                                |     |            |
| 10                          |       | REPEAT ltree_execloopC UNTIL [TCV_Cnt1 = 6]                                                                                                                                                                                                                                  |                                |     | Loop for c |
| 11                          |       | (TCV_Cnt2 := (TCV_Cnt2 + 1))                                                                                                                                                                                                                                                 |                                |     |            |
| <b>ltree_execloopC</b>      |       |                                                                                                                                                                                                                                                                              |                                |     |            |
| 12                          |       | +localtree_varinit                                                                                                                                                                                                                                                           |                                |     |            |
| 13                          |       | (TCV_Null := OM_NotAckSetup(TCV_ch))                                                                                                                                                                                                                                         |                                |     |            |
| 14                          |       | +EstMsOrigTCHF_init(C_CHSDCCH8_FH, 1, TCV_TimingAdv)                                                                                                                                                                                                                         |                                |     |            |
| 15                          |       | +ltree_chtype                                                                                                                                                                                                                                                                |                                |     |            |
| 16                          |       | +ltree_chconfig                                                                                                                                                                                                                                                              |                                |     |            |
| 17                          |       | +ltree_hoexec                                                                                                                                                                                                                                                                |                                |     |            |
| 18                          |       | +ltree_hocompl                                                                                                                                                                                                                                                               |                                |     |            |
| 19                          |       | L?DL_DatInSetup (TCV_Mt1 := DL_DatInSetup.msg.mt)                                                                                                                                                                                                                            | SetupIn_01                     |     | 3)         |
| 20                          |       | +localtree_mt                                                                                                                                                                                                                                                                |                                |     | 4)         |
| 21                          |       | +ChanRel(TCV_ch)                                                                                                                                                                                                                                                             |                                |     |            |
| 22                          |       | (TCV_Cnt1 := (TCV_Cnt1 + 1))                                                                                                                                                                                                                                                 |                                |     |            |
| <b>localtree_mt</b>         |       |                                                                                                                                                                                                                                                                              |                                |     |            |
| 23                          |       | [TCV_Mt1 = TCV_Mt]                                                                                                                                                                                                                                                           |                                | (P) |            |
| 24                          |       | [TCV_Mt1 <> TCV_Mt]                                                                                                                                                                                                                                                          |                                | (F) |            |
| <b>ltree_chtype</b>         |       |                                                                                                                                                                                                                                                                              |                                |     |            |
| 25                          |       | [TSPC_FullRateSpeech = TRUE]                                                                                                                                                                                                                                                 |                                |     |            |
| 26                          |       | (TCV_chtype := '00001'B)                                                                                                                                                                                                                                                     |                                |     | for TCH    |
| 27                          |       | [TSPC_FullRateSpeech = FALSE]                                                                                                                                                                                                                                                |                                |     |            |
| 28                          |       | (TCV_chtype := INT_TO_BIT((8 + BIT_TO_INT(TSPX_SDCCH8SubDef)), 5))                                                                                                                                                                                                           |                                |     | for SDCCH8 |
| <b>ltree_hoexec</b>         |       |                                                                                                                                                                                                                                                                              |                                |     |            |
| 29                          |       | +ltree_varinit2                                                                                                                                                                                                                                                              |                                |     |            |
| 30                          |       | [TCV_Cnt2 = 1]                                                                                                                                                                                                                                                               |                                |     | Loop for k |
| 31                          |       | LIDL_DatRqHoCmd                                                                                                                                                                                                                                                              | HndOv_22_B1e(TCV_Horf, TCV_ch, |     |            |

|    |                                                                           |                                                                                                                                                |            |
|----|---------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|    |                                                                           | TCV_ts,<br>TCV_Pwrlvl_ho,<br>TCV_chtype,<br>TCV_flist, TCV_flistl,<br>TCV_TimingAdviei)                                                        |            |
| 32 | [TCV_Cnt2 = 2]                                                            |                                                                                                                                                | Loop for k |
| 33 | LIDL_DatRqHoCmd                                                           | HndOv_22_B2e(TCV<br>_Horf, TCV_ch,<br>TCV_ts,<br>TCV_Pwrlvl_ho,<br>TCV_chtype,<br>TCV_flist, TCV_flistl,<br>TCV_TimingAdviei)                  |            |
| 34 | [TCV_Cnt2 = 3]                                                            |                                                                                                                                                | Loop for k |
| 35 | LIDL_DatRqHoCmd                                                           | HndOv_22_B3e(TCV<br>_Horf, TCV_ch,<br>TCV_ts,<br>TCV_Pwrlvl_ho,<br>TCV_chtype,<br>TCV_cchdescr,<br>TCV_mae1,<br>TCV_mae2,<br>TCV_TimingAdviei) |            |
|    | <b>ltree_hocompl</b>                                                      |                                                                                                                                                |            |
| 36 | [TSPC_FullRateSpeech = TRUE]                                              |                                                                                                                                                | 1)         |
| 37 | (TCV_ch:= C_FACCHF_B_1)                                                   |                                                                                                                                                |            |
| 38 | +RR_hocomp1(500, TCV_TimingAdv)                                           |                                                                                                                                                |            |
| 39 | [TSPC_FullRateSpeech = FALSE]                                             |                                                                                                                                                | 2)         |
| 40 | (TCV_ch := OC_SubchOfSdcch8(<br>TSPX_SDCCH8SubA, C_CellB, 1))             |                                                                                                                                                |            |
| 41 | +RR_hocomp1(750, TCV_TimingAdv)                                           |                                                                                                                                                |            |
|    | <b>ltree_chconfig</b>                                                     |                                                                                                                                                |            |
| 42 | [TCV_Cnt2 = 1]                                                            |                                                                                                                                                |            |
| 43 | [TCV_Cnt1 = 1]                                                            |                                                                                                                                                |            |
| 44 | (TCV_flist := C_flist_e_401, TCV_flistl:='05'O,<br>TCV_mae1:='00000111'B) |                                                                                                                                                |            |
| 45 | [TCV_Cnt1 = 2]                                                            |                                                                                                                                                |            |
| 46 | (TCV_flist := C_flist_e_402, TCV_flistl:='06'O,<br>TCV_mae1:='00011111'B) |                                                                                                                                                |            |
| 47 | [TCV_Cnt1 = 3]                                                            |                                                                                                                                                |            |
| 48 | (TCV_flist := C_flist_e_403, TCV_flistl:='06'O,<br>TCV_mae1:='00001111'B) |                                                                                                                                                |            |
| 49 | [TCV_Cnt1 = 4]                                                            |                                                                                                                                                |            |
| 50 | (TCV_flist := C_flist_e_404, TCV_flistl:='06'O,<br>TCV_mae1:='00001111'B) |                                                                                                                                                |            |
| 51 | [TCV_Cnt1 = 5]                                                            |                                                                                                                                                |            |
| 52 | (TCV_flist := C_flist_e_405, TCV_flistl:='07'O,<br>TCV_mae1:='00111111'B) |                                                                                                                                                |            |
| 53 | [TCV_Cnt1 = 6]                                                            |                                                                                                                                                |            |
| 54 | (TCV_flist := C_flist_e_406, TCV_flistl:='00'O,<br>TCV_mae1:='00000000'B) |                                                                                                                                                | not used   |
| 55 | [TCV_Cnt2 = 2]                                                            |                                                                                                                                                |            |
| 56 | [TCV_Cnt1 = 1]                                                            |                                                                                                                                                |            |
| 57 | (TCV_flist := C_flist_e_401, TCV_flistl:='05'O,<br>TCV_mae1:='00000111'B) |                                                                                                                                                |            |
| 58 | [TCV_Cnt1 = 2]                                                            |                                                                                                                                                |            |
| 59 | (TCV_flist := C_flist_e_402, TCV_flistl:='06'O,<br>TCV_mae1:='00011111'B) |                                                                                                                                                |            |
| 60 | [TCV_Cnt1 = 3]                                                            |                                                                                                                                                |            |
| 61 | (TCV_flist := C_flist_e_403, TCV_flistl:='06'O,<br>TCV_mae1:='00001111'B) |                                                                                                                                                |            |
| 62 | [TCV_Cnt1 = 4]                                                            |                                                                                                                                                |            |
| 63 | (TCV_flist := C_flist_e_404, TCV_flistl:='06'O,<br>TCV_mae1:='00001111'B) |                                                                                                                                                |            |
| 64 | [TCV_Cnt1 = 5]                                                            |                                                                                                                                                |            |
| 65 | (TCV_flist := C_flist_e_405, TCV_flistl:='07'O,<br>TCV_mae1:='00111111'B) |                                                                                                                                                |            |
| 66 | [TCV_Cnt1 = 6]                                                            |                                                                                                                                                |            |

```

67      (TCV_flist := C_flist_e_406, TCV_flistl:='10'O,
68      TCV_mae1:='00000111'B)
69      [TCV_Cnt2 = 3]
70      [TCV_Cnt1 = 1]
71      (TCV_cchdescr := C_cchd_e_407,
72      TCV_mae1:='00011100'B,
73      TCV_mae2:='00000000'B,
74      TCV_flist:=C_flist_e_407, TCV_flistl:='05'O)
75      [TCV_Cnt1 = 2]
76      (TCV_cchdescr := C_cchd_e_408,
77      TCV_mae1:='00000000'B,
78      TCV_mae2:='11111000'B, TCV_flist:=
79      C_flist_e_408, TCV_flistl:='0D'O)
80      [TCV_Cnt1 = 3]
81      (TCV_cchdescr := C_cchd_e_409,
82      TCV_mae1:='00000000'B,
83      TCV_mae2:='00001111'B, TCV_flist:=
84      C_flist_e_409, TCV_flistl:='10'O)
85      [TCV_Cnt1 = 4]
86      (TCV_cchdescr := C_cchd_e_410,
87      TCV_mae1:='00000110'B,
88      TCV_mae2:='00000110'B, TCV_flist:=
89      C_flist_e_410, TCV_flistl:='0A'O)
90      [TCV_Cnt1 = 5]
91      (TCV_cchdescr := C_cchd_e_411,
92      TCV_mae1:='00000001'B,
93      TCV_mae2:='11110000'B, TCV_flist:=
94      C_flist_e_411, TCV_flistl:='07'O)
95      [TCV_Cnt1 = 6]
96      (TCV_cchdescr := C_cchd_e_412,
97      TCV_mae1:='00000000'B,
98      TCV_mae2:='00000111'B, TCV_flist:=
99      C_flist_e_412, TCV_flistl:='10'O)

localtree_varinit
+Varinit_fixcommon
(TCV_cellid:=C_CellA, TCV_sacch:=
OC_SubchOfSacch4( TSPX_SDCCH4SubA,
C_CellA), TCV_sacch_B := OC_SubchOfSacch4(
TSPX_SDCCH4SubDef, C_CellB), TCV_PgCh:=
C_PCH_A_1, TCV_ia_ts:= TSPX_TmSlitNotZero,
TCV_ts:= TSPX_TmSlitNotZero, TCV_Cntref:=
TSPX_hoaccessA, TCV_Horf:= TSPX_horfA,
TCV_Pwrlvl_ho:= TSPX_PwrlvlA, TCV_flist:=
C_flist_e_414, TCV_flistl:='10'O, TCV_mae1 :=
'00001101'B, TCV_ch := OC_SubchOfSdcch8(
TSPX_SDCCH8SubA, C_CellA, 1), TCV_sacch8 :=
OC_SubchOfSacch8( TSPX_SDCCH8SubA,
C_CellA, 1))

ltree_varinit2
(TCV_cellid:=C_CellB)
[TSPC_FullRateSpeech = TRUE]
[TCV_Cnt2 <> 3]
(TCV_sacchTch_B := C_SACCHF_B_1)
+FullRateCh_E_B_1F1(C_Ass, TCV_ts,
TSPX_TscDef, TCV_TimingAdv, TCV_mae1,
TCV_flist, TCV_flistl, '000'B, '000'B, '011'B)
[TCV_Cnt2 = 3]
(TCV_sacchTch_B := C_SACCHF_B_1)
+FullRateCh_E_B_1F2(C_Ass, TCV_ts,
TSPX_TscDef, TCV_TimingAdv, TCV_mae1,
TCV_mae2, TCV_flist, TCV_flistl, '000'B,
'000'B, '011'B)
[TSPC_FullRateSpeech = FALSE]
[TCV_Cnt2 <> 3]
(TCV_sacch8 := OC_SubchOfSacch8(
TSPX_SDCCH8SubDef, C_CellB, 1))
+SDCCH8_E_B_1_1F(C_Asynho, TCV_ts,
TSPX_TscDef, TCV_TimingAdv, TCV_mae1,
TCV_flist, TCV_flistl, '000'B, '000'B, '011'B)

```

1)

2)

|                                      |                                                                                                                                            |  |            |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--|------------|
| 95                                   | [TCV_Cnt2 = 3]                                                                                                                             |  |            |
| 96                                   | (TCV_sacch8 := OC_SubchOfSacch8(<br>TSPX_SDCCH8SubDef, C_CellB, 1))                                                                        |  |            |
| 97                                   | +SDCCH8_E_B_1_2F(C_Asynho, TCV_ts,<br>TSPX_TscDef, TCV_TimingAdv, TCV_mae1,<br>TCV_mae2, TCV_flist, TCV_flistl, '000'B,<br>'000'B, '011'B) |  |            |
|                                      | <b>ltree_timingadv_init</b>                                                                                                                |  |            |
| 98                                   | +localtree_varinit                                                                                                                         |  |            |
| 99                                   | [TSPC_FullRateSpeech = TRUE]                                                                                                               |  |            |
| 100                                  | (TCV_TimingAdv := TimingAdv_03,<br>TCV_TimingAdviei := TimingAdv_03iei)                                                                    |  | for TCH    |
| 101                                  | [TSPC_FullRateSpeech = FALSE]                                                                                                              |  |            |
| 102                                  | (TCV_TimingAdv := TimingAdv_r02,<br>TCV_TimingAdviei := TimingAdv_r02iei)                                                                  |  | for SDCCH8 |
| <b>Detailed Comments:</b>            |                                                                                                                                            |  |            |
| 1) HO from SDCCH8 no FH to TCH/F FH  |                                                                                                                                            |  |            |
| 2) HO from SDCCH8 no FH to SDCCH8 FH |                                                                                                                                            |  |            |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                        |                                                                                                           |     |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_26_10_2_4_2                                                                                                                                                                                                         |                                                                                                           |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/EGSMsignalling/                                                                                                                                                                                        |                                                                                                           |     |          |
| <b>Purpose:</b>             |       | To check that the MS correctly returns to the old channel in the case of an handover failure caused by a layer 1 failure on the target cell, even if the origin is in the P-GSM band and the target in the E-GSM band. |                                                                                                           |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                        |                                                                                                           |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                  | CRef                                                                                                      | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                     |                                                                                                           |     |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                   |                                                                                                           |     |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                        |                                                                                                           |     |          |
| 4                           |       | +localtree_varinit                                                                                                                                                                                                     |                                                                                                           |     |          |
| 5                           |       | +PreEnterIdleState_202e( C_Combined, C_NotCombined, C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '000'B, '011'B, '00'O)                                                                         |                                                                                                           |     |          |
| 6                           |       | +ltree_chtype                                                                                                                                                                                                          |                                                                                                           |     |          |
| 7                           |       | +ltree_u10                                                                                                                                                                                                             |                                                                                                           |     |          |
| 8                           |       | +ltree_body                                                                                                                                                                                                            |                                                                                                           |     |          |
|                             |       | <b>ltree_body</b>                                                                                                                                                                                                      |                                                                                                           |     |          |
| 9                           |       | (TCV_flist := C_flist_e_413, TCV_flistl:= '05'O, TCV_mae1:= '00000111'B, TCV_chTch:= C_FACCHF_B_1, TCV_sacchTch_B := C_SACCHF_B_1)                                                                                     |                                                                                                           |     |          |
| 10                          |       | +FullRateCh_E_B_1F1(C_Ass, TCV_ts, TCV_tsc, TimingAdv_01, TCV_mae1, TCV_flist, TCV_flistl, '000'B, '001'B, '011'B)                                                                                                     |                                                                                                           |     |          |
| 11                          |       | (TCV_L1Head0 := OM_GetL1Hd(TCV_ch))                                                                                                                                                                                    |                                                                                                           |     |          |
| 12                          |       | +send_ho                                                                                                                                                                                                               |                                                                                                           |     |          |
| 13                          |       | START T_dly(480000)                                                                                                                                                                                                    |                                                                                                           |     |          |
| 14                          |       | (TCV_Cnt:=0)                                                                                                                                                                                                           |                                                                                                           |     |          |
| 15                          |       | REPEAT ltree_hoacc UNTIL [TCV_Cnt = TCV_Cntref]                                                                                                                                                                        |                                                                                                           |     |          |
| 16                          |       | (TCV_L1Head := OM_GetL1Hd(TCV_ch))                                                                                                                                                                                     |                                                                                                           |     |          |
| 17                          |       | L?DL_DatInHofl                                                                                                                                                                                                         | HndOvFI_02(TCV_ch Tch)                                                                                    |     |          |
| 18                          |       | [TCV_L1Head.mspwrlvl = TCV_L1Head0.mspwrlvl]                                                                                                                                                                           |                                                                                                           | (P) |          |
| 19                          |       | +ChanRel_end(TCV_ch)                                                                                                                                                                                                   |                                                                                                           |     |          |
| 20                          |       | [TCV_L1Head.mspwrlvl <> TCV_L1Head0.mspwrlvl]                                                                                                                                                                          |                                                                                                           |     |          |
| 21                          |       | +ChanRel_end(TCV_ch)                                                                                                                                                                                                   |                                                                                                           |     |          |
| 22                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                         |                                                                                                           | (F) |          |
| 23                          |       | +ChanRel(TCV_chTch)                                                                                                                                                                                                    |                                                                                                           |     |          |
|                             |       | <b>send_ho</b>                                                                                                                                                                                                         |                                                                                                           |     |          |
| 24                          |       | [TSPC_FullRateSpeech = TRUE]                                                                                                                                                                                           |                                                                                                           |     |          |
| 25                          |       | L!DL_DatRqHoCmd                                                                                                                                                                                                        | HndOv_22_B1e(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TCV_chtype, TCV_flist, TCV_flistl, TimingAdv_01iei) |     |          |
| 26                          |       | [TSPC_FullRateSpeech = FALSE]                                                                                                                                                                                          |                                                                                                           |     |          |
| 27                          |       | L!DL_DatRqHoCmd(DL_DatRqHoCmd.msg.ch1mod := TSPX_ChModsup)                                                                                                                                                             | HndOv_22_B1e(TCV_Horf, TCV_ch, TCV_ts, TCV_Pwrlvl_ho, TCV_chtype, TCV_flist, TCV_flistl, TimingAdv_01iei) |     |          |
|                             |       | <b>ltree_hoacc</b>                                                                                                                                                                                                     |                                                                                                           |     |          |
| 28                          |       | L?DL_RaInHoacc                                                                                                                                                                                                         | HndOvAcc_20(TCV_c                                                                                         |     |          |

|                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                        |    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----|
| 29                                                                                                                                                                                 | (TCV_Cnt := TCV_Cnt + 1)                                                                                                                                                                                                                                                                                                                                                                                                                           | hTch, TCV_Horf)        |    |
|                                                                                                                                                                                    | <b>Itree_u10</b>                                                                                                                                                                                                                                                                                                                                                                                                                                   |                        |    |
| 30                                                                                                                                                                                 | +RRmtcallprepare(TimingAdv_01)                                                                                                                                                                                                                                                                                                                                                                                                                     |                        |    |
| 31                                                                                                                                                                                 | L!DL_DatRqSetup (TCV_TI.ti_f := '0'B, TCV_TI.ti_v := '000'B)                                                                                                                                                                                                                                                                                                                                                                                       | SetupRq_20(TCV_ch)     |    |
| 32                                                                                                                                                                                 | L?DL_DatInCallCo                                                                                                                                                                                                                                                                                                                                                                                                                                   | CallCfm_20             | 1) |
| 33                                                                                                                                                                                 | L?DL_DatInConn                                                                                                                                                                                                                                                                                                                                                                                                                                     | ConnRcv_01             |    |
| 34                                                                                                                                                                                 | (TCV_chdescr_arfcn:=<br>C_arfcnEgsm_asscmd)                                                                                                                                                                                                                                                                                                                                                                                                        |                        |    |
| 35                                                                                                                                                                                 | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                         |                        |    |
| 36                                                                                                                                                                                 | L?DL_DatInAlert                                                                                                                                                                                                                                                                                                                                                                                                                                    | AlertRcv_01            |    |
| 37                                                                                                                                                                                 | (TCV_Null := OO_HookOff())                                                                                                                                                                                                                                                                                                                                                                                                                         |                        |    |
| 38                                                                                                                                                                                 | L?DL_DatInConn                                                                                                                                                                                                                                                                                                                                                                                                                                     | ConnRcv_01             |    |
| 39                                                                                                                                                                                 | (TCV_chdescr_arfcn:=<br>C_arfcnEgsm_asscmd)                                                                                                                                                                                                                                                                                                                                                                                                        |                        |    |
| 40                                                                                                                                                                                 | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                         |                        |    |
|                                                                                                                                                                                    | <b>localtree</b>                                                                                                                                                                                                                                                                                                                                                                                                                                   |                        |    |
| 41                                                                                                                                                                                 | (TCV_AssCmd := AsgnCmd_21(TCV_asscmd_ts,<br>TCV_chdescr_arfcn), TCV_AssCmd.pcmd.pl :=<br>'01010'B, TCV_AssCmd.ch1d_at.cht_schn :=<br>TCV_chtype)                                                                                                                                                                                                                                                                                                   |                        |    |
| 42                                                                                                                                                                                 | +AssCh_complete(TCV_ch,TCV_chTch,TCV_AssC<br>md)                                                                                                                                                                                                                                                                                                                                                                                                   |                        | 2) |
| 43                                                                                                                                                                                 | L!DL_DatRqConnAck                                                                                                                                                                                                                                                                                                                                                                                                                                  | ConnAck_20(TCV_ch<br>) |    |
|                                                                                                                                                                                    | <b>Itree_chtype</b>                                                                                                                                                                                                                                                                                                                                                                                                                                |                        |    |
| 44                                                                                                                                                                                 | (TCV_chtype := '00001'B, TCV_ch :=<br>C_FACCHF_A_1, TCV_sacchTch :=<br>C_SACCHF_A_1)                                                                                                                                                                                                                                                                                                                                                               |                        |    |
| 45                                                                                                                                                                                 | +FullRateCh_HO_A_1(C_Ass, TCV_asscmd_ts,<br>TCV_tsc, TimingAdv_01, '000'B, '000'B, '011'B)                                                                                                                                                                                                                                                                                                                                                         |                        |    |
|                                                                                                                                                                                    | <b>localtree_varinit</b>                                                                                                                                                                                                                                                                                                                                                                                                                           |                        |    |
| 46                                                                                                                                                                                 | +Varinit_fixcommon                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |    |
| 47                                                                                                                                                                                 | (TCV_cellid:=C_CellA, TCV_chdescr_arfcn:= 20,<br>TCV_ch:= OC_SubchOfSdcch4(<br>TSPX_SDCCH4SubA, C_CellA), TCV_sacch:=<br>OC_SubchOfSacch4( TSPX_SDCCH4SubA,<br>C_CellA), TCV_sacch_B := OC_SubchOfSacch4(<br>TSPX_SDCCH4SubDef, C_CellB), TCV_PgCh:=<br>C_PCH_A_1, TCV_ia_ts:= '000'B,<br>TCV_asscmd_ts:= TSPX_TmSlitNotZero, TCV_ts:=<br>TSPX_TmSlitNotZero1, TCV_Cntref:=<br>TSPX_hoaccessA, TCV_Horf:= TSPX_horfA,<br>TCV_Pwrlvl_ho:= '01100'B) |                        |    |
| <b>Detailed Comments:</b>                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                        |    |
| 1. If the MS supports the bearer capabilities, which are give in Setup message, it has to accept them. Therefor, they are no bearer capabilities expected in Call Confirm message. |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                        |    |
| 2. TCH/F or SDCCH/4 with non hopping in selected cell.<br>Power level = 10                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                        |    |

| Test Case Dynamic Behaviour       |       |                                                                                                                                                                                                                                                                                                                                                                  |                                        |     |                         |
|-----------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>            |       | TC_26_10_2_5                                                                                                                                                                                                                                                                                                                                                     |                                        |     |                         |
| <b>Group:</b>                     |       | GSM_L3_MS_v4160/EGSMsignalling/                                                                                                                                                                                                                                                                                                                                  |                                        |     |                         |
| <b>Purpose:</b>                   |       | <p>1) To verify that the MS, after receiving a FREQUENCY REDEFINITION message, starts using the new frequencies and hopping sequence when some E-GSM frequencies are used.</p> <p>2) To check that the last received Cell Channel Description information element is used to decode the Mobile Allocation IE received in the FREQUENCY REDEFINITION message.</p> |                                        |     |                         |
| <b>Default:</b>                   |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                  |                                        |     |                         |
| Nr                                | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                            | CRef                                   | V   | Comments                |
| 1                                 | pre   | START T_guard(300)                                                                                                                                                                                                                                                                                                                                               |                                        |     |                         |
| 2                                 |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                             |                                        |     |                         |
| 3                                 |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                  |                                        |     |                         |
| 4                                 |       | +localtree_varinit                                                                                                                                                                                                                                                                                                                                               |                                        |     |                         |
| 5                                 |       | +PreEnterIdleState_23(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                         |                                        |     |                         |
| 6                                 |       | +InitRate                                                                                                                                                                                                                                                                                                                                                        |                                        |     |                         |
| 7                                 |       | +CCCH_group_Paging_group(TCV_Ccd0 A, TSPX_IMSI)                                                                                                                                                                                                                                                                                                                  |                                        |     |                         |
| 8                                 |       | (TCV_Cnt1 := 1)                                                                                                                                                                                                                                                                                                                                                  |                                        |     |                         |
| 9                                 | body  | REPEAT localtree_body UNTIL [TCV_Cnt1 = 7]                                                                                                                                                                                                                                                                                                                       |                                        |     |                         |
| <b>localtree_body</b>             |       |                                                                                                                                                                                                                                                                                                                                                                  |                                        |     |                         |
| 10                                |       | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                                 | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01) |     |                         |
| 11                                |       | L?DL_RaclnChRq ( TCV_Rr := DL_RaclnChRq.msg.ecau_rrf, TCV_Fn := DL_RaclnChRq.fn)                                                                                                                                                                                                                                                                                 | ChReq_01                               |     |                         |
| 12                                |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                     |                                        |     | To match ChReq retrans. |
| 13                                |       | +ltree_send_immass                                                                                                                                                                                                                                                                                                                                               |                                        |     |                         |
| 14                                |       | L?DL_EstlnPgRes                                                                                                                                                                                                                                                                                                                                                  | PgRes_02(TCV_ch)                       |     |                         |
| 15                                |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                        |                                        |     | Restore Normal default  |
| 16                                |       | +ltree_setnewchn                                                                                                                                                                                                                                                                                                                                                 |                                        |     |                         |
| 17                                |       | +ltree_newchnassign                                                                                                                                                                                                                                                                                                                                              |                                        |     |                         |
| 18                                |       | +ltree_sendFreqRedef                                                                                                                                                                                                                                                                                                                                             |                                        |     |                         |
| 19                                |       | +ltree_checkchnafterfreqred                                                                                                                                                                                                                                                                                                                                      |                                        |     |                         |
| 20                                |       | +ChanRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                 |                                        |     |                         |
| 21                                |       | (TCV_Cnt1 := (TCV_Cnt1 + 1))                                                                                                                                                                                                                                                                                                                                     |                                        |     |                         |
| <b>ltree_checkchnafterfreqred</b> |       |                                                                                                                                                                                                                                                                                                                                                                  |                                        |     |                         |
| 22                                |       | [(TCV_Cnt1 = 4) OR (TCV_Cnt1=6)]                                                                                                                                                                                                                                                                                                                                 |                                        |     | Ma1)                    |
| 23                                |       | (TCV_Res := OM_FHCHK(TCV_sacchTch))                                                                                                                                                                                                                                                                                                                              |                                        |     |                         |
| 24                                |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                                |                                        | (F) |                         |
| 25                                |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                 |                                        | (P) |                         |
| 26                                |       | [(TCV_Cnt1 <>4) AND(TCV_Cnt1<>6)]                                                                                                                                                                                                                                                                                                                                |                                        |     | Ma2)                    |
| 27                                |       | (TCV_Res := OM_FHCHK(TCV_sacchTch))                                                                                                                                                                                                                                                                                                                              |                                        |     |                         |
| 28                                |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                                |                                        | (F) |                         |
| 29                                |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                 |                                        | (P) |                         |
| <b>ltree_newchnassign</b>         |       |                                                                                                                                                                                                                                                                                                                                                                  |                                        |     |                         |
| 30                                |       | (TCV_Fn := OM_ComingFn(TCV_ch), TCV_chd1 := ChDescrp_22e(TSPX_TmSltNotZero1,TCV_chtype), TCV_Strt:=OC_StartTime(TCV_Fn,100,0), TCV_Null := OM_SendNextOn(TCV_ch, TCV_Fn))                                                                                                                                                                                        |                                        |     |                         |
| 31                                |       | [(TCV_Cnt1 = 4) OR (TCV_Cnt1=6)]                                                                                                                                                                                                                                                                                                                                 |                                        |     | Ma1)                    |
| 32                                |       | (TCV_Null := OM_FreqDef(TCV_Strt, MobilAllc_20_Be1(TCV_mae1), TCV_ch, TCV_chd1, CellChDes_20_Be(TCV_cchdescr)))                                                                                                                                                                                                                                                  |                                        |     |                         |
| 33                                |       | [(TCV_Cnt1 <>4) AND(TCV_Cnt1<>6)]                                                                                                                                                                                                                                                                                                                                |                                        |     | Ma2)                    |
| 34                                |       | (TCV_Null := OM_FreqDef(TCV_Strt, MobilAllc_20_Be2(TCV_mae1,TCV_mae2), TCV_ch, TCV_chd1,                                                                                                                                                                                                                                                                         |                                        |     |                         |



|    |                                                                                |                                                                                                  |      |
|----|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------|
|    | CellChDes_20_Be(TCV_cchdescr)))                                                |                                                                                                  |      |
|    | <b>ltree_sendFreqRedef</b>                                                     |                                                                                                  |      |
| 35 | [TCV_Cnt1 <> 6]                                                                |                                                                                                  |      |
| 36 | [TCV_Cnt1 = 4]                                                                 |                                                                                                  | Ma1) |
| 37 | LIDL_DatRqFrqre                                                                | FrqRedf_20(TCV_ch, TSPX_TmSlitNotZero 1, TCV_chtype, TCV_cchdescr, TCV_mae1, TCV_Strt)           |      |
| 38 | [TCV_Cnt1 <> 4]                                                                |                                                                                                  | Ma2) |
| 39 | LIDL_DatRqFrqre                                                                | FrqRedf_22(TCV_ch, TSPX_TmSlitNotZero 1, TCV_chtype, TCV_cchdescr, TCV_mae1, TCV_mae2, TCV_Strt) |      |
| 40 | [TCV_Cnt1 = 6]                                                                 |                                                                                                  | Ma1) |
| 41 | LIDL_DatRqFrqre                                                                | FrqRedf_21(TCV_ch, TSPX_TmSlitNotZero 1, TCV_chtype, TCV_mae1, TCV_Strt)                         |      |
|    | <b>ltree_send_immass</b>                                                       |                                                                                                  |      |
| 42 | [TSPC_FullRateSpeech = TRUE]                                                   |                                                                                                  |      |
| 43 | LIDL_UdatRqImmass                                                              | ImmAss_21(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_01)                  |      |
| 44 | (TCV_ch := C_FACCHF_A_1)                                                       |                                                                                                  |      |
| 45 | [TSPC_FullRateSpeech = FALSE]                                                  |                                                                                                  |      |
| 46 | LIDL_UdatRqImmass                                                              | ImmAss_27( TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_01)                 |      |
| 47 | (TCV_ch := OC_SubchOfSdcch8( TSPX_SDCCH8SubDef, C_CellA, 1))                   |                                                                                                  |      |
|    | <b>ltree_setnewchn</b>                                                         |                                                                                                  |      |
| 48 | [TCV_Cnt1 = 1]                                                                 |                                                                                                  |      |
| 49 | (TCV_cchdescr := C_cchd_e_407, TCV_mae1:= '00011100'B, TCV_mae2:= '00000000'B) |                                                                                                  |      |
| 50 | [TCV_Cnt1 = 2]                                                                 |                                                                                                  |      |
| 51 | (TCV_cchdescr := C_cchd_e_408, TCV_mae1:= '00000000'B, TCV_mae2:= '11110000'B) |                                                                                                  |      |
| 52 | [TCV_Cnt1 = 3]                                                                 |                                                                                                  |      |
| 53 | (TCV_cchdescr := C_cchd_e_409, TCV_mae1:= '00000000'B, TCV_mae2:= '00001111'B) |                                                                                                  |      |
| 54 | [TCV_Cnt1 = 4]                                                                 |                                                                                                  |      |
| 55 | (TCV_cchdescr := C_cchd_e_415, TCV_mae1:= '11000110'B)                         |                                                                                                  |      |
| 56 | [TCV_Cnt1 = 5]                                                                 |                                                                                                  |      |
| 57 | (TCV_cchdescr := C_cchd_e_411, TCV_mae1:= '00000001'B, TCV_mae2:= '11110000'B) |                                                                                                  |      |
| 58 | [TCV_Cnt1 = 6]                                                                 |                                                                                                  |      |
| 59 | (TCV_cchdescr := C_cchd_e_414, TCV_mae1:= '00001110'B)                         |                                                                                                  |      |
|    | <b>localtree_varinit</b>                                                       |                                                                                                  |      |
| 60 | +Varinit_fixcommon                                                             |                                                                                                  |      |
| 61 | (TCV_cellid:=C_CellA, TCV_sacch := OC_SubchOfSacch4( TSPX_SDCCH4SubDef,        |                                                                                                  |      |

|                           |                                                                                                                                                                                                                                          |                                      |  |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--|
|                           | C_CellA), TCV_PgCh:= C_PCH_A_1,<br>TCV_chdescr_arfcn:= 20, TCV_ia_ts:=<br>TSPX_TmSlitNotZero)                                                                                                                                            |                                      |  |
|                           | <b>InitRate</b>                                                                                                                                                                                                                          |                                      |  |
| 62                        | [TSPC_FullRateSpeech = TRUE]                                                                                                                                                                                                             |                                      |  |
| 63                        | (TCV_ch := C_FACCHF_A_1, TCV_sacchTch :=<br>C_SACCHF_A_1, TCV_chtype := '00001'B)                                                                                                                                                        |                                      |  |
| 64                        | +FullRateCh_A_1_18(FreqTCHa6, C_Ass,<br>TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01,<br>'000'B, '001'B, '011'B)                                                                                                                            |                                      |  |
| 65                        | +SysInfo_5bisSending(TCV_sacchTch,<br>TCV_sysinfo5bis)                                                                                                                                                                                   |                                      |  |
| 66                        | [TSPC_FullRateSpeech = FALSE]                                                                                                                                                                                                            |                                      |  |
| 67                        | (TCV_ch := OC_SubchOfSdcch8(<br>TSPX_SDCCH8SubDef, C_CellA, 1), TCV_sacch8<br>:= OC_SubchOfSacch8( TSPX_SDCCH8SubDef,<br>C_CellA, 1), TCV_sacchTch := TCV_sacch8,<br>TCV_chtype := INT_TO_BIT((8 +<br>BIT_TO_INT(TSPX_SDCCH8SubDef)),5)) |                                      |  |
| 68                        | +SDCCH8_HO_A_1_1(C_Ass, TCV_slot,<br>TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B)                                                                                                                                                      |                                      |  |
| 69                        | +SysInfo_5bisSending(TCV_sacch8,<br>TCV_sysinfo5bis)                                                                                                                                                                                     |                                      |  |
| <b>Detailed Comments:</b> |                                                                                                                                                                                                                                          | Ma1) Mobile Allocation with 1 octets |  |
|                           |                                                                                                                                                                                                                                          | Ma2) Mobile Allocation with 2 octets |  |

### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_26_10_3_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Group:</b>          | GSM_L3_MS_v4160/EGSMsignalling/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purpose:</b>        | <p>1) To verify that the MS in MM state "idle, updated" and in RR idle mode with a TMSI assigned, when made to initiate a call for a selected teleservice that is supported by the MS as declared in a PICS/PIXIT statement, starts to initiate an immediate assignment procedure by sending the CHANNEL REQUEST message.</p> <p>2) To verify that subsequently after receipt of an IMMEDIATE ASSIGNMENT message allocating an SDCCH, after completion of establishment of the main signalling link, after having sent a CM SERVICE REQUEST message, after having successfully performed authentication and cipher mode setting procedures, after having sent a SETUP message, after having received a CALL PROCEEDING message followed by an ALERTING message and an ASSIGNMENT COMMAND message allocating an appropriate TCH, the MS sends an ASSIGNMENT COMPLETE message.</p> <p>3) To verify that subsequently, after the suite of actions specified in test purposes 1 and 2, the MS after receiving a CONNECT message returns a CONNECT ACKNOWLEDGE message.</p> <p>4) To verify that after the suite of actions specified in test purposes 1 and 2, the MS after receiving a CONNECT message attaches the user connection to the radion path. (This is checked by verifying that there is a point in time after transmission of the first L2 frame containing the (complete) CONNECT message, where the MS is sending appropriate speech or data frames whenever it doesn't have to transmit or acknowledge an I frame on layer 2 of the FACCH.)</p> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

| Nr | Label | Behaviour Description                                                                                 | CRef                                                                            | V | Comments                |
|----|-------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---|-------------------------|
| 1  |       | START T_guard(300)                                                                                    |                                                                                 |   |                         |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                  |                                                                                 |   |                         |
| 3  |       | +IdleUpdated(C_CellA, C_Imm, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)          |                                                                                 |   |                         |
| 4  |       | +localtree_varinit                                                                                    |                                                                                 |   |                         |
| 5  |       | +PreEnterIdleState_23(C_Imm, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O) |                                                                                 |   |                         |
| 6  |       | +SDCCH8_HO_A_1_1(C_Ass, TCV_ia_ts, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B)                     |                                                                                 |   |                         |
| 7  |       | +SysInfo_5bisSending(TCV_sacch8, TCV_sysinfo5bis)                                                     |                                                                                 |   |                         |
| 8  |       | +FullRateCh_HO_A_1(C_Ass, TCV_asscmd_ts, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B)               |                                                                                 |   |                         |
| 9  |       | +SysInfo_5bisSending(TCV_sacchTch, TCV_sysinfo5bis)                                                   |                                                                                 |   |                         |
| 10 |       | +ltree_AttmpCall                                                                                      |                                                                                 |   |                         |
| 11 |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq, msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                         | ChReq_04                                                                        |   |                         |
| 12 |       | ACTIVATE(OtherEventsFail_02)                                                                          |                                                                                 |   | To match ChReq retrans. |
| 13 |       | L!DL_UdatRqImm                                                                                        | ImmAss_27(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_01) |   |                         |
| 14 |       | L?DL_EstInCmsRq                                                                                       | CmsReq_01                                                                       |   |                         |
| 15 |       | ACTIVATE(OtherEventsFail)                                                                             |                                                                                 |   | Restore Normal default  |
| 16 |       | +Authentication(TCV_ch, TCV_cks)                                                                      |                                                                                 |   |                         |
| 17 |       | +Ciphering_on(TCV_ch)                                                                                 |                                                                                 |   |                         |
| 18 |       | +ltree_ccest                                                                                          |                                                                                 |   |                         |
| 19 |       | <b>ltree_AttmpCall</b><br>[(TSPC_FullRateSpeech = TRUE) OR (TSPC_HalfRateSpeech=TRUE)]                |                                                                                 |   |                         |
| 20 |       | +AttmpSpchCall                                                                                        |                                                                                 |   |                         |
| 21 |       | +BasicServiceMO(TSPX_MO_BscSvc_SpeechCall, TSPX_MO_rate_SpeechCall)                                   |                                                                                 |   |                         |

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                      |                                               |  |  |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--|--|
| 22                        | [(TSPC_FullRateSpeech = FALSE) AND<br>(TSPC_HalfRateSpeech=FALSE)]                                                                                                                                                                                                                                                                                                                                                   |                                               |  |  |
| 23                        | +AttmpCall                                                                                                                                                                                                                                                                                                                                                                                                           |                                               |  |  |
| 24                        | +BasicServiceMO(TSPX_MO_BscSvc_AnyCall,<br>TSPX_MO_rate_AnyCall)                                                                                                                                                                                                                                                                                                                                                     |                                               |  |  |
|                           | <b>ltree_ccest</b>                                                                                                                                                                                                                                                                                                                                                                                                   |                                               |  |  |
| 25                        | +SetupRcvMo(SetupInd_01)                                                                                                                                                                                                                                                                                                                                                                                             |                                               |  |  |
| 26                        | L!DL_DatRqCallProc                                                                                                                                                                                                                                                                                                                                                                                                   | CallProc(TCV_ch,<br>TCV_CallProc)             |  |  |
| 27                        | L!DL_DatRqAlert                                                                                                                                                                                                                                                                                                                                                                                                      | Alert_01(TCV_TI,<br>TCV_ch)                   |  |  |
| 28                        | (TCV_AssCmd :=<br>AsgnCmd_21(TCV_asscmd_ts,<br>C_arfcnEgsm_asscmd))                                                                                                                                                                                                                                                                                                                                                  |                                               |  |  |
| 29                        | +AssCh_complete(TCV_ch,TCV_chTch,TCV<br>_AssCmd)                                                                                                                                                                                                                                                                                                                                                                     |                                               |  |  |
| 30                        | L!DL_DatRqConn                                                                                                                                                                                                                                                                                                                                                                                                       | Conn_01(TCV_TI,<br>TCV_chTch)                 |  |  |
| 31                        | L?DL_DatInConnAck                                                                                                                                                                                                                                                                                                                                                                                                    | ConnAckRcv_01(TCV<br>_TI0)                    |  |  |
| 32                        | +TermCall                                                                                                                                                                                                                                                                                                                                                                                                            |                                               |  |  |
| 33                        | L?DL_DatInDisc                                                                                                                                                                                                                                                                                                                                                                                                       | DiscRcv(TCV_chTch,<br>Disconn_05(TCV_TI0<br>) |  |  |
| 34                        | L!DL_DatRqRel                                                                                                                                                                                                                                                                                                                                                                                                        | RelRq_04(TCV_TI,<br>TCV_chTch)                |  |  |
| 35                        | L?DL_DatInRelCmp                                                                                                                                                                                                                                                                                                                                                                                                     | RelCmp_02(TCV_TI0<br>)                        |  |  |
| 36                        | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                          |                                               |  |  |
|                           | <b>localtree_varinit</b>                                                                                                                                                                                                                                                                                                                                                                                             |                                               |  |  |
| 37                        | +Varinit_fixcommon                                                                                                                                                                                                                                                                                                                                                                                                   |                                               |  |  |
| 38                        | (TCV_cellid:=C_CellA, TCV_chdescr_arfcn:=<br>C_arfcnEgsm_iacmd, TCV_sacch :=<br>OC_SubchOfSacch4( TSPX_SDCCH4SubDef,<br>C_CellA), TCV_PgCh:= C_PCH_A_1, TCV_ia_ts:=<br>TSPX_TmSltG, TCV_asscmd_ts:= TSPX_TmSltC,<br>TCV_ch := OC_SubchOfSdcch8(<br>TSPX_SDCCH8SubDef, C_CellA, 1), TCV_sacch8<br>:= OC_SubchOfSacch8( TSPX_SDCCH8SubDef,<br>C_CellA, 1), TCV_chTch := C_FACCHF_A_1,<br>TCV_sacchTch := C_SACCHF_A_1) |                                               |  |  |
| <b>Detailed Comments:</b> |                                                                                                                                                                                                                                                                                                                                                                                                                      |                                               |  |  |

### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_26_10_3_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Group:</b>          | GSM_L3_MS_v4160/EGSMsignalling/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purpose:</b>        | <p>1) To verify that the MS in the "idle, no IMSI" state (no SIM inserted) when made to call the number 112, sends a CHANNEL REQUEST message with establishment cause "emergency call".</p> <p>2) To verify that after assignment of a dedicated channel the first layer message sent by the MS on the assigned dedicated channel is a CM SERVICE REQUEST message specifying the correct CKSN and TMSI, with CM Service Type "emergency call establishment".</p> <p>3) To verify that after receipt of a CM SERVICE ACCEPT message from the SS, the MS sends an EMERGENCY SETUP message.</p> <p>4) To verify that subsequently, the SS having sent a CALL PROCEEDING message and then an ALERT message and having initiated the assignment procedure, the MS performs correctly that assignment procedure.</p> <p>5) To verify subsequent correct performance of a connect procedure.</p> <p>6) To verify that subsequently the MS has through connected the TCH in both directions.</p> <p>7) To verify that the call is cleared correctly.</p> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

| Nr | Label | Behaviour Description                                                                                                                                                                                                                              | CRef                                                                            | V   | Comments                |
|----|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----|-------------------------|
| 1  |       | START T_guard(300)                                                                                                                                                                                                                                 |                                                                                 |     |                         |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                               |                                                                                 |     |                         |
| 3  |       | +IdleUpdated(C_CellA, C_Imm, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                       |                                                                                 |     |                         |
| 4  |       | +Varinit_fixcommon                                                                                                                                                                                                                                 |                                                                                 |     |                         |
| 5  |       | (TCV_cellid:=C_CellA, TCV_ch:= OC_SubchOfSdcch8(TSPX_SDCCH8SubDef, C_CellA, 1), TCV_sacch8 := OC_SubchOfSacch8(TSPX_SDCCH8SubDef, C_CellA, 1), TCV_chdescr_arfcn:= 40, TCV_PgCh:= C_PCH_A_1, TCV_ia_ts:= TSPX_TmSltG, TCV_asscmd_ts:= TSPX_TmSltC) |                                                                                 |     |                         |
| 6  |       | +PreEnterIdleState_20(C_Imm, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '000'B, '011'B, '00'O)                                                                                                                                              |                                                                                 |     |                         |
| 7  |       | +SDCCH8_E_A_1_2(C_Ass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '000'B, '011'B)                                                                                                                                                                    |                                                                                 | 1.  |                         |
| 8  | body  | +AttmpEmgCall                                                                                                                                                                                                                                      |                                                                                 |     |                         |
| 9  |       | +BasicServiceMO(C_EmgCallSRV, TSPX_MO_rate_EmergencyCall)                                                                                                                                                                                          |                                                                                 |     |                         |
| 10 |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                       | ChReq_18                                                                        | (P) | 2.                      |
| 11 |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                       |                                                                                 |     | To match ChReq retrans. |
| 12 |       | L!DL_UdatRqImm                                                                                                                                                                                                                                     | ImmAss_27(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_01) |     |                         |
| 13 |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                    | CmserReq_06                                                                     | (P) | 3.                      |
| 14 |       | ACTIVATE(OtherEventsFail )                                                                                                                                                                                                                         |                                                                                 |     | Restore Normal default  |
| 15 |       | [TSPC_FullRateOnly=TRUE]                                                                                                                                                                                                                           |                                                                                 |     |                         |
| 16 |       | +testfullratems                                                                                                                                                                                                                                    |                                                                                 |     |                         |
| 17 |       | [TSPC_DualRate = TRUE]                                                                                                                                                                                                                             |                                                                                 |     |                         |
| 18 |       | +testdualratems                                                                                                                                                                                                                                    |                                                                                 |     |                         |
| 19 |       | <b>testfullratems</b><br>L?DL_DatInESetup (TCV_TI := DL_DatInESetup.msg.ti, TCV_TI0 := TCV_TI,                                                                                                                                                     | ESetupInd_02                                                                    | (P) | 6.                      |

|    |                                                                                                                                                                                                     |                                        |         |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------|
| 20 | TCV_TI.ti_f := '1'B)<br>(TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1)                                                                                                                   |                                        |         |
| 21 | +FullRateCh_A_def(C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '000'B, '011'B)                                                                                                         |                                        | 7.      |
| 22 | (TCV_Null := OM_CphMd(TCV_chTch, CphMod_01, TCV_CphKey))                                                                                                                                            |                                        |         |
| 23 | L!DL_DatRqCallProc                                                                                                                                                                                  | CallProc_01(TCV_TI, TCV_ch)            |         |
| 24 | L!DL_DatRqAlert                                                                                                                                                                                     | Alert_01(TCV_TI, TCV_chTch)            |         |
| 25 | +assfullratech                                                                                                                                                                                      |                                        | 8.      |
| 26 | +localtree                                                                                                                                                                                          |                                        |         |
| 27 | <b>testdualratems</b><br>L?DL_DatInESetup (TCV_TI := DL_DatInESetup.msg.ti, TCV_TI0 := TCV_TI, TCV_TI.ti_f := '1'B, TCV_Rchr := DL_DatInESetup.msg.bcap.rchr, TCV_Bcap1 := DL_DatInESetup.msg.bcap) | ESetupInd_03                           | 9.      |
| 28 | [TCV_Rchr = '11'B]                                                                                                                                                                                  |                                        | 10.     |
| 29 | (TCV_Bcap1.rchr := '01'B)                                                                                                                                                                           |                                        |         |
| 30 | (TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1)                                                                                                                                           |                                        |         |
| 31 | +FullRateCh_A_def(C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '000'B, '011'B)                                                                                                         |                                        | 7.      |
| 32 | (TCV_Null := OM_CphMd(TCV_chTch, CphMod_01, TCV_CphKey))                                                                                                                                            |                                        |         |
| 33 | L!DL_DatRqCallProc<br>(DL_DatRqCallProc.msg.bcap1 := TCV_Bcap1)                                                                                                                                     | CallProc_04(TCV_TI, TCV_ch)            |         |
| 34 | L!DL_DatRqAlert                                                                                                                                                                                     | Alert_01(TCV_TI, TCV_ch)               |         |
| 35 | +assfullratech                                                                                                                                                                                      |                                        | 8.      |
| 36 | +localtree                                                                                                                                                                                          |                                        |         |
| 37 | [TCV_Rchr = '10'B]                                                                                                                                                                                  |                                        | 11.     |
| 38 | (TCV_Bcap1.rchr := '00'B)                                                                                                                                                                           |                                        |         |
| 39 | (TCV_chTch := OC_SubchOfFacchh(TSPX_TCHHSubDef, C_CellA, 1), TCV_sacchTch := OC_SubchOfSacchh(TSPX_TCHHSubDef, C_CellA, 1))                                                                         |                                        |         |
| 40 | +HalfRateCh_E_A_1(C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '000'B, '011'B)                                                                                                         |                                        | 12.     |
| 41 | (TCV_Null := OM_CphMd(TCV_chTch, CphMod_01, TCV_CphKey))                                                                                                                                            |                                        |         |
| 42 | L!DL_DatRqCallProc<br>(DL_DatRqCallProc.msg.bcap1 := TCV_Bcap1)                                                                                                                                     | CallProc_04(TCV_TI, TCV_ch)            |         |
| 43 | L!DL_DatRqAlert                                                                                                                                                                                     | Alert_01(TCV_TI, TCV_ch)               |         |
| 44 | +asshalftratech                                                                                                                                                                                     |                                        | 13.     |
| 45 | +localtree                                                                                                                                                                                          |                                        |         |
| 46 | <b>localtree</b><br>L!DL_DatRqConn                                                                                                                                                                  | Conn_01(TCV_TI, TCV_chTch)             |         |
| 47 | L?DL_DatInConnAck                                                                                                                                                                                   | ConnAckRcv_01(TCV_TI0)                 | (P)     |
| 48 | (TCV_Res := OO_TCHThroConnCHK())                                                                                                                                                                    |                                        |         |
| 49 | [TCV_Res = FALSE]                                                                                                                                                                                   |                                        | (F) 14. |
| 50 | +RestoreCphKey(TCV_chTch)                                                                                                                                                                           |                                        |         |
| 51 | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                         |                                        |         |
| 52 | [TCV_Res = TRUE]                                                                                                                                                                                    |                                        | (P) 15. |
| 53 | L!DL_DatRqDisc                                                                                                                                                                                      | DiscSnd(TCV_chTch, Disconn_07(TCV_TI)) |         |
| 54 | L?DL_DatInRel                                                                                                                                                                                       | ReleaseInd_06(TCV_                     | (P)     |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                  |                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------|
| 55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | L!DL_DatRqRelCmp                                                                 | T10)<br>RelCmpRq_05(TCV_<br>Tl, TCV_chTch) |
| 56                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | +RestoreCphKey(TCV_chTch)                                                        |                                            |
| 57                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | +PostMainLinkRel(TCV_chTch)                                                      |                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>assfullratech</b>                                                             |                                            |
| 58                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | +ltree_Asgn1                                                                     |                                            |
| 59                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (TCV_AssCmd.ch1d_at.arfcn:=<br>INT_TO_BIT(990,10))                               |                                            |
| 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | +AssCh_complete(TCV_ch,TCV_chTch,TCV_Ass<br>Cmd)                                 |                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>asshalfratech</b>                                                             |                                            |
| 61                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | +ltree_Asgn2                                                                     |                                            |
| 62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (TCV_AssCmd.ch1d_at.arfcn:=<br>INT_TO_BIT(990,10))                               |                                            |
| 63                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | +AssCh_complete(TCV_ch,TCV_chTch,TCV_Ass<br>Cmd)                                 |                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>ltree_Asgn1</b>                                                               |                                            |
| 64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | [TSPC_PGSM OR TSPC_EGSM]                                                         |                                            |
| 65                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (TCV_AssCmd := AsgnCmd_tchf(TSPX_TmSlTDef,<br>TSPX_TscDef))                      |                                            |
| 66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | [TSPC_DCS]                                                                       |                                            |
| 67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (TCV_AssCmd :=<br>AsgnCmd_dtchf(TSPX_TmSlTDef, TSPX_TscDef))                     |                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>ltree_Asgn2</b>                                                               |                                            |
| 68                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | [TSPC_PGSM OR TSPC_EGSM]                                                         |                                            |
| 69                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (TCV_AssCmd :=<br>AsgnCmd_tchh(TSPX_TCHHSubDef,<br>TSPX_TmSlTDef, TSPX_TscDef))  |                                            |
| 70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | [TSPC_DCS]                                                                       |                                            |
| 71                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (TCV_AssCmd :=<br>AsgnCmd_dtchh(TSPX_TCHHSubDef,<br>TSPX_TmSlTDef, TSPX_TscDef)) |                                            |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                  |                                            |
| <ol style="list-style-type: none"> <li>1. To setup a physical channel</li> <li>2. CHANNEL REQUEST with "emergency call establishment" cause received.</li> <li>3. CM SERVICE REQUEST with "emergency call establishment" service type correct TMSI and CKSN received.</li> <li>4. Authentication failed.</li> <li>5. Authentication passed.</li> <li>6. EMERGENCY SETUP with BC indicating "full rate channel" or without BC received.</li> <li>7. To setup aphysical channel as full rate traffic channel.</li> <li>8. To assign a full rate channel.</li> <li>9. EMERGENCY SETUP with BC indicating "dual rate / half rate preferred" or " dual rate / full rate preferred" received.</li> <li>10. "dual rate / full rate preferred" case. Full rate channel is to be assigned.</li> <li>11. "dual rate / half preferred" case. Half rate channel is to be assigned.</li> <li>12. To setup aphysical channel as full rate traffic channel.</li> <li>13. To assign half rate channel.</li> <li>14. The TCH channel is not through connected, fail.</li> <li>15. The TCH channel is through connected.</li> </ol> |                                                                                  |                                            |

## Test Group SS

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                         |    |                                        |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|----|----------------------------------------|
| <b>Test Case Name:</b>      |       | TC_31_2_1_1_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                         |    |                                        |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                         |    |                                        |
| <b>Purpose:</b>             |       | <p>1) To check that the MS correctly requests a supplementary service transaction for registration of call forwarding in CHANNEL REQUEST message.</p> <p>2) To check that the MS correctly requests a supplementary service transaction for registration of call forwarding in the subsequent CM-SERVICE REQUEST.</p> <p>3) To check that the MS sends a REGISTER message containing the invoke of the RegisterSS operation with the expected parameter values for registration of call forwarding.</p> <p>4) To check that upon receipt of the result of the operation (in a RELEASE COMPLETE message), the MS provides the appropriate user indication (as described by the manufacturer).</p> <p>These checks are done for :</p> <p>a) CFNRy, for basic service group speech,</p> <p>b) CFU, for basic service group all facsimile.</p> |                                         |    |                                        |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                         |    |                                        |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | CRef                                    | V  | Comments                               |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                         |    |                                        |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                         |    |                                        |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                         |    |                                        |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                         |    |                                        |
| 5                           |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                         | 1. |                                        |
| 6                           |       | +part1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                         |    |                                        |
| 7                           |       | +part2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                         |    |                                        |
|                             |       | <b>part1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                         |    |                                        |
| 8                           |       | (TCV_Null := OO_InitSS("***61*00431234*11*5#"))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                         |    | 2. international prefix + Country code |
| 9                           |       | +ChannelReqtree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                         |    |                                        |
| 10                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                         |    |                                        |
| 11                          |       | +Checktree(C_RegCFNRy)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                         |    |                                        |
|                             |       | <b>part2</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                         |    |                                        |
| 12                          |       | (TCV_Null := OO_InitSS("***21*1234*13#"))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                         | 5. |                                        |
| 13                          |       | +ChannelReqtree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                         |    |                                        |
| 14                          |       | +localtree1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         |    |                                        |
| 15                          |       | +Checktree(C_RegCFU)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                         |    |                                        |
|                             |       | <b>localtree</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                         |    |                                        |
| 16                          |       | L?DL_DatInRegister (TCV_TI := DL_DatInRegister.msg.ti, TCV_TI0 := TCV_TI, TCV_TI0.ti_f := '1'B, TCV_Comp := DL_DatInRegister.msg.fie.components_1, TCV_n := OC_PosinSet(TCV_Comp, RegisterSS_01), TCV_Invkld := OC_Asn1intToOct(TCV_Comp.[TCV_n].registerSScomponents.registerSS_InvokeComp.invokeID, 1))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Register_03                             |    |                                        |
| 17                          |       | LIDL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | RelCmpRq_07(TCV_ch, TCV_TI, TCV_Invkld) | 6. |                                        |
|                             |       | <b>localtree1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                         |    |                                        |
| 18                          |       | L?DL_DatInRegister (TCV_TI := DL_DatInRegister.msg.ti, TCV_TI0 := TCV_TI, TCV_TI0.ti_f := '1'B, TCV_Comp :=                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Register_04                             |    |                                        |



|    |                                                                                                                                                                                                                     |                                                                                      |                         |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------|
| 19 | DL_DatInRegister.msg.fie.components_1, TCV_n :=<br>OC_PosinSet(TCV_Comp, RegisterSS_02),<br>TCV_Invkld :=<br>OC_Asn1intToOct(TCV_Comp.[TCV_n].registerSSCo<br>mponents.registerSS_InvokelD, 1))<br>L!DL_DatRqRelCmp | RelCmpRq_10(TCV_<br>ch, TCV_TI,<br>TCV_Invkld)                                       | 6.                      |
| 20 | <b>ChannelReqtree</b><br>L?DL_RaclnChRq (TCV_Rr := DL_RaclnChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaclnChRq.fn)                                                                                                        | ChReq_03                                                                             |                         |
| 21 | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                        |                                                                                      | To match ChReq retrans. |
| 22 | LIDL_UdatRqImmss                                                                                                                                                                                                    | ImmAss_01Def(TCV_<br>agch, TCV_Rr,<br>TCV_Fn, TCV_slot,<br>TCV_tsc,<br>TimingAdv_01) |                         |
| 23 | L?DL_EstInCmsRq                                                                                                                                                                                                     | CmserReq_08                                                                          |                         |
| 24 | ACTIVATE(OtherEventsFail)                                                                                                                                                                                           |                                                                                      | Restore Normal default  |
| 25 | L!DL_DatRqCmsAcp                                                                                                                                                                                                    | CmserAcp_01(TCV_c<br>h)                                                              |                         |
| 26 | <b>Checktree(par:INTEGER)</b><br>(TCV_Res := OO_SSresultCHK(par))                                                                                                                                                   |                                                                                      |                         |
| 27 | [TCV_Res = TRUE]                                                                                                                                                                                                    |                                                                                      | (P) 3.                  |
| 28 | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                            |                                                                                      |                         |
| 29 | [TCV_Res = FALSE]                                                                                                                                                                                                   |                                                                                      | (F) 4.                  |
| 30 | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                            |                                                                                      |                         |

**Detailed Comments:**

1. To setup a physical channel as BCCH, CCCH and SDCCH4 with default parameters.
2. To initiate a registration of call forwarding service for CFNRy (speech).
3. The user indication is correct.
4. The user indication is wrong.
5. To initiate a registration of call forwarding service for CFU (all facsimile).
6. To return the ReturnResult of SSoperation by RELEASE COMPLETE message.

### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_31_2_1_1_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Group:</b>          | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purpose:</b>        | <p>1) To check that the MS correctly requests the establishment of a parallel MM transaction for supplementary service transaction of registration of call forwarding, sending a CM-SERVICE REQUEST.</p> <p>2) To check that the MS sends a REGISTER message containing the invoke of the RegisterSS operation with the expected parameter values for registration of call forwarding.</p> <p>3) To check that upon receipt of the RELEASE COMPLETE message related to the present SS transaction, the first transaction remains unaffected.</p> <p>4) To check that upon receipt of the RELEASE COMPLETE message, the MS provides the appropriate user indication (as described by the Manufacturer).</p> <p>These checks are performed with a call transaction already established for :</p> <p>a) CFB, for all asynchronous services, the RELEASE COMPLETE message being sent with a facility IE containing a return_error(error) where error is "Bearer Service not provisioned".</p> <p>b) CF, for all facsimile, the RELEASE COMPLETE message being sent with a facility IE containing a reject(involve_problem) where involve_problem is "resource limitation".</p> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

| Nr | Label | Behaviour Description                                                                                                                                                                                                                                    | CRef                   | V | Comments                               |
|----|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---|----------------------------------------|
| 1  |       | START T_guard(300)                                                                                                                                                                                                                                       |                        |   |                                        |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                     |                        |   |                                        |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                          |                        |   |                                        |
| 4  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef), TCV_cksN := TSPX_CKSNDf) |                        |   |                                        |
| 5  |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                             |                        |   | 1.                                     |
| 6  |       | (TCV_Null := OM_CphMd( TCV_chTch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                |                        |   |                                        |
| 7  |       | +EstMsOrigFullRateCall(TimingAdv_01)                                                                                                                                                                                                                     |                        |   | 2.                                     |
| 8  |       | (TCV_Null := OO_InitSS("***67*00431234*21#"))                                                                                                                                                                                                            |                        |   | 3. international prefix + Country code |
| 9  |       | +part1                                                                                                                                                                                                                                                   |                        |   |                                        |
| 10 |       | (TCV_Null := OO_InitSS("***002*00431234*13#"))                                                                                                                                                                                                           |                        |   | 4. international prefix + Country code |
| 11 |       | +part2                                                                                                                                                                                                                                                   |                        |   |                                        |
|    |       | <b>part1</b>                                                                                                                                                                                                                                             |                        |   |                                        |
| 12 |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                          | CmserReq_08            |   |                                        |
| 13 |       | LIDL_DatRqCmsAcp                                                                                                                                                                                                                                         | CmserAcp_01(TCV_chTch) |   |                                        |
| 14 |       | L?DL_DatInRegister ( TCV_TI1 := DL_DatInRegister.msg.ti, TCV_TI2 := TCV_TI1, TCV_TI2.ti_f := '1'B, TCV_Comp := DL_DatInRegister.msg.fie.components_1)                                                                                                    | Register_05            |   |                                        |
| 15 |       | (TCV_n := OC_PosinSet(TCV_Comp, RegisterSS_03), TCV_Invkld := OC_Asn1intToOct(TCV_Comp.[TCV_n].registerSSComponents.registerSS_InvokeComp.invokeID, 1))                                                                                                  |                        |   |                                        |
| 16 |       | +localtree                                                                                                                                                                                                                                               |                        |   |                                        |
|    |       | <b>localtree</b>                                                                                                                                                                                                                                         |                        |   |                                        |

|                   |                                                                                                                                                        |                                             |     |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----|
| 17                | L!DL_DatRqRelCmp                                                                                                                                       | RelCmpRq_11(TCV_chTch, TCV_TI2, TCV_InvkId) |     |
| 18                | L!DL_DatRqCcstEnq                                                                                                                                      | CCStEq_01(TCV_TI, TCV_chTch)                |     |
| 19                | L?DL_DatInCcst                                                                                                                                         | CCSt_14(TCV_TI0, C_U10)                     | (P) |
| <b>part2</b>      |                                                                                                                                                        |                                             |     |
| 20                | L?DL_EstInCmsRq                                                                                                                                        | CmserReq_08                                 |     |
| 21                | L!DL_DatRqCmsAcp                                                                                                                                       | CmserAcp_01(TCV_chTch)                      |     |
| 22                | L?DL_DatInRegister ( TCV_TI1 := DL_DatInRegister.msg.ti, TCV_TI2 := TCV_TI1, TCV_TI2.ti_f := '1'B, TCV_Comp := DL_DatInRegister.msg.fie.components_1)  | Register_06                                 |     |
| 23                | (TCV_n := OC_PosinSet(TCV_Comp, RegisterSS_04), TCV_InvkId := OC_Asn1intToOct(TCV_Comp.[TCV_n].registerSSComponents.registerSS_InvokComp.invokeID, 1)) |                                             |     |
| 24                | +localtree1                                                                                                                                            |                                             |     |
| <b>localtree1</b> |                                                                                                                                                        |                                             |     |
| 25                | L!DL_DatRqRelCmp                                                                                                                                       | RelCmpRq_12(TCV_chTch, TCV_TI2, TCV_InvkId) |     |
| 26                | (TCV_Res := OO_SSresultCHK(C_RegCF))                                                                                                                   |                                             |     |
| 27                | [TCV_Res]                                                                                                                                              |                                             | (P) |
| 28                | L!DL_DatRqCcstEnq                                                                                                                                      | CCStEq_01(TCV_TI, TCV_chTch)                |     |
| 29                | L?DL_DatInCcst                                                                                                                                         | CCSt_14(TCV_TI0, C_U10)                     | (P) |
| 30                | +PostMainLinkRel(TCV_chTch)                                                                                                                            |                                             |     |
| 31                | [NOT TCV_Res]                                                                                                                                          |                                             | (F) |
| 32                | L!DL_DatRqCcstEnq                                                                                                                                      | CCStEq_01(TCV_TI, TCV_chTch)                |     |
| 33                | L?DL_DatInCcst                                                                                                                                         | CCSt_14(TCV_TI0, C_U10)                     | (P) |
| 34                | +PostMainLinkRel(TCV_chTch)                                                                                                                            |                                             |     |

**Detailed Comments:**

1. To setup physical channels as BCCH, CCCH and SDCCH4 with default parameters and full rate traffic channel.
2. To establish a mobile originating call.
3. To initiate a registration of call forwarding service for CFB (all asynchronous service).
4. To initiate a registration of call forwarding service for CF (all facsimile).

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |    |                         |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_31_2_1_2_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |    |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                         |    |                         |
| <b>Purpose:</b>             |       | <p>1) To check that the MS correctly requests supplementary service transaction for erasure of call forwarding in CHANNEL REQUEST message.</p> <p>2) To check that the MS correctly requests supplementary service transaction for erasure of call forwarding in the subsequent CM-SERVICE REQUEST.</p> <p>3) To check that the MS sends a REGISTER message containing the invoke of the EraseSS operation with the expected parameter values for erasure of call forwarding.</p> <p>4) To check that upon receipt of the result of the operation (in a RELEASE COMPLETE message), the MS provides the appropriate user indication (as described by the manufacturer).</p> <p>These checks are done for :</p> <p>a) CFC, for basic service group all facsimile.</p> <p>b) CFNRc, for all basic service groups.</p> |                                                                         |    |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |    |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | CRef                                                                    | V  | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |    |                         |
| 2                           |       | (TCV_slot := C_SO, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                         |    |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |    |                         |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                         |    |                         |
| 5                           |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         | 1. |                         |
| 6                           |       | (TCV_Null := OO_InitSS("##004**13#"))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         | 2. |                         |
| 7                           |       | +part1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                         |    |                         |
| 8                           |       | (TCV_Null := OO_InitSS("##62#"))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                         | 3. |                         |
| 9                           |       | +part2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                         |    |                         |
|                             |       | <b>part1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |    |                         |
| 10                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ChReq_03                                                                |    |                         |
| 11                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |    | To match ChReq retrans. |
| 12                          |       | LIDL_UdatRqImmass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |    |                         |
| 13                          |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CmsReq_08                                                               |    |                         |
| 14                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |    | Restore Normal default  |
| 15                          |       | LIDL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CmsReq_01(TCV_ch)                                                       |    |                         |
| 16                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                         |    |                         |
|                             |       | <b>localtree</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                         |    |                         |
| 17                          |       | L?DL_DatInRegister ( TCV_TI := DL_DatInRegister.msg.ti, TCV_TI0 := TCV_TI, TCV_TI0.ti_f := '1'B, TCV_Comp := DL_DatInRegister.msg.fie.components_1, TCV_n := OC_PosinSet(TCV_Comp, EraseSS_01), TCV_InvkId := OC_Asn1intToOct(TCV_Comp.[TCV_n].eraseSSComponents.eraseSS_InvokeComp.invokelD, 1))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Register_07                                                             |    |                         |
| 18                          |       | LIDL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | RelCmpRq_06(TCV_ch, TCV_TI, TCV_InvkId)                                 | 4. |                         |
| 19                          |       | +Checktree(C_ErsCFC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                         |    |                         |
|                             |       | <b>part2</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |    |                         |

|                                                                                                |                                                                                                                                                                                                                                                                                                                                              |                                                                                      |                         |
|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------|
| 20                                                                                             | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                             | ChReq_03                                                                             |                         |
| 21                                                                                             | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                 |                                                                                      | To match ChReq retrans. |
| 22                                                                                             | L!DL_UdatRqImm                                                                                                                                                                                                                                                                                                                               | ImmAss_01Def(TCV_<br>agch, TCV_Rr,<br>TCV_Fn, TCV_slot,<br>TCV_tsc,<br>TimingAdv_01) |                         |
| 23                                                                                             | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                              | CmserReq_08                                                                          |                         |
| 24                                                                                             | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                    |                                                                                      | Restore Normal default  |
| 25                                                                                             | L!DL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                             | CmserAcp_01(TCV_c<br>h)                                                              |                         |
| 26                                                                                             | +localtree1                                                                                                                                                                                                                                                                                                                                  |                                                                                      |                         |
| 27                                                                                             | <b>localtree1</b><br>L?DL_DatInRegister ( TCV_TI :=<br>DL_DatInRegister.msg.ti, TCV_T10 := TCV_TI,<br>TCV_T10.ti_f := '1'B, TCV_Comp :=<br>DL_DatInRegister.msg.fie.components_1, TCV_n :=<br>OC_PosinSet(TCV_Comp, EraseSS_02), TCV_Invkld<br>:=<br>OC_Asn1intToOct(TCV_Comp.[TCV_n].eraseSSCom<br>ponents.eraseSS_InvokeComp.invokeID, 1)) | Register_08                                                                          |                         |
| 28                                                                                             | L!DL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                             | RelCmpRq_13(TCV_<br>ch, TCV_TI,<br>TCV_Invkld)                                       | 5.                      |
| 29                                                                                             | +Checktree(C_ErsCFNRc)                                                                                                                                                                                                                                                                                                                       |                                                                                      |                         |
| 30                                                                                             | <b>Checktree(par:INTEGER)</b><br>(TCV_Res := OO_SSresultCHK(par))                                                                                                                                                                                                                                                                            |                                                                                      |                         |
| 31                                                                                             | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                             |                                                                                      | (P) 6.                  |
| 32                                                                                             | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                     |                                                                                      |                         |
| 33                                                                                             | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                            |                                                                                      | (F) 7.                  |
| 34                                                                                             | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                     |                                                                                      |                         |
| <b>Detailed Comments:</b>                                                                      |                                                                                                                                                                                                                                                                                                                                              |                                                                                      |                         |
| 1. To setup a physical channel as BCCH, CCCH and SDCCH4 with default parameters.               |                                                                                                                                                                                                                                                                                                                                              |                                                                                      |                         |
| 2. To initiate an EraseSS operation of call forwarding service for CFC (all facsimile).        |                                                                                                                                                                                                                                                                                                                                              |                                                                                      |                         |
| 3. To initiate an EraseSS operation of call forwarding service for CFNRc (all basic services). |                                                                                                                                                                                                                                                                                                                                              |                                                                                      |                         |
| 4. To return the ReturnResult of SSoperation by RELEASE COMPLETE message.                      |                                                                                                                                                                                                                                                                                                                                              |                                                                                      |                         |
| 5. To return the ReturnResult of SSoperation by RELEASE COMPLETE message.                      |                                                                                                                                                                                                                                                                                                                                              |                                                                                      |                         |
| 6. The user indication is correct.                                                             |                                                                                                                                                                                                                                                                                                                                              |                                                                                      |                         |
| 7. The user indication is wrong.                                                               |                                                                                                                                                                                                                                                                                                                                              |                                                                                      |                         |

### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_31_2_1_2_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Group:</b>          | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purpose:</b>        | <p>1) To check that the MS correctly requests the establishment of a parallel MM transaction for supplementary service transaction of erasure of call forwarding, sending a CM-SERVICE REQUEST.</p> <p>2) To check that the MS sends a REGISTER message containing the invoke of the EraseSS operation with the expected parameter values for erasure of call forwarding.</p> <p>3) To check that upon receipt of the RELEASE COMPLETE message related to the present SS transaction, the first transaction remains unaffected.</p> <p>4) To check that upon receipt of the RELEASE COMPLETE message, the MS provides the appropriate user indication (as described by the Manufacturer).</p> <p>These checks are performed with a call transaction already established for :</p> <p>a) CFU, for speech, the RELEASE COMPLETE message being sent with a facility IE containing a return_error(error) where error is "Teleservice not provisionned".</p> <p>b) CFNRy, for all facsimile, the RELEASE COMPLETE message being sent with a facility IE containing a reject(invoked_problem) where invoked_problem is "resource limitation".</p> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

| Nr | Label | Behaviour Description                                                                                                                                                                                                                                                                               | CRef                                        | V   | Comments |
|----|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----|----------|
| 1  |       | START T_guard(300)                                                                                                                                                                                                                                                                                  |                                             |     |          |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                |                                             |     |          |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                     |                                             |     |          |
| 4  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef), TCV_cksn := TSPX_CKSNDDef)                                          |                                             |     |          |
| 5  |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                        |                                             |     | 1.       |
| 6  |       | +EstMsOrigFullRateCall(TimingAdv_01)                                                                                                                                                                                                                                                                |                                             |     | 2.       |
| 7  |       | (TCV_Null := OO_InitSS("##21**11#"))                                                                                                                                                                                                                                                                |                                             |     | 3.       |
| 8  |       | +part1                                                                                                                                                                                                                                                                                              |                                             |     |          |
| 9  |       | (TCV_Null := OO_InitSS("##61**13#"))                                                                                                                                                                                                                                                                |                                             |     | 4.       |
| 10 |       | +part2                                                                                                                                                                                                                                                                                              |                                             |     |          |
|    |       | <b>part1</b>                                                                                                                                                                                                                                                                                        |                                             |     |          |
| 11 |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                     | CmserReq_08                                 |     |          |
| 12 |       | LIDL_DatRqCmsAcp                                                                                                                                                                                                                                                                                    | CmserAcp_01(TCV_chTch)                      |     |          |
| 13 |       | +localtree                                                                                                                                                                                                                                                                                          |                                             |     |          |
|    |       | <b>localtree</b>                                                                                                                                                                                                                                                                                    |                                             |     |          |
| 14 |       | L?DL_DatInRegister ( TCV_TI1 := DL_DatInRegister.msg.ti, TCV_TI2 := TCV_TI1, TCV_TI2.ti.f := '1'B, TCV_Comp := DL_DatInRegister.msg.fie.components_1, TCV_n := OC_PosinSet(TCV_Comp, EraseSS_03), TCV_InvkId := OC_Asn1intToOct(TCV_Comp.[TCV_n].eraseSSComponents.eraseSS_InvokeComp.invokelD, 1)) | Register_09                                 |     |          |
| 15 |       | LIDL_DatRqRelCmp                                                                                                                                                                                                                                                                                    | RelCmpRq_14(TCV_chTch, TCV_TI2, TCV_InvkId) |     |          |
| 16 |       | LIDL_DatRqCcstEnq                                                                                                                                                                                                                                                                                   | CCStEq_01(TCV_TI, TCV_chTch)                |     |          |
| 17 |       | L?DL_DatInCcst                                                                                                                                                                                                                                                                                      | CCSt_14(TCV_TI0,                            | (P) |          |

|                           |                                                  |                                                                                                                                                                                                                                                                                                                                                                                              |     |
|---------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|                           |                                                  | C_U10)                                                                                                                                                                                                                                                                                                                                                                                       |     |
| 18                        | <b>part2</b>                                     |                                                                                                                                                                                                                                                                                                                                                                                              |     |
| 19                        | L?DL_EstInCmsRq                                  | CmserReq_08                                                                                                                                                                                                                                                                                                                                                                                  |     |
| 20                        | L!DL_DatRqCmsAcp                                 | CmserAcp_01(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                       |     |
| 21                        | +localtree1                                      |                                                                                                                                                                                                                                                                                                                                                                                              |     |
| 22                        | <b>localtree1</b>                                | Register_10                                                                                                                                                                                                                                                                                                                                                                                  |     |
| 23                        | L?DL_DatInRegister ( TCV_TI1 :=                  |                                                                                                                                                                                                                                                                                                                                                                                              |     |
| 24                        | DL_DatInRegister.msg.ti, TCV_TI2 := TCV_TI1,     |                                                                                                                                                                                                                                                                                                                                                                                              |     |
| 25                        | TCV_TI2.ti_f := '1'B, TCV_Comp :=                |                                                                                                                                                                                                                                                                                                                                                                                              |     |
| 26                        | DL_DatInRegister.msg.fie.components_1, TCV_n :=  |                                                                                                                                                                                                                                                                                                                                                                                              |     |
| 27                        | OC_PosinSet(TCV_Comp, EraseSS_04), TCV_Invkld := |                                                                                                                                                                                                                                                                                                                                                                                              |     |
| 28                        | OC_Asn1intToOct(TCV_Comp.[TCV_n].eraseSSCom      |                                                                                                                                                                                                                                                                                                                                                                                              |     |
| 29                        | ponents.eraseSS_InvokeComp.invokeID, 1))         |                                                                                                                                                                                                                                                                                                                                                                                              |     |
|                           | L!DL_DatRqRelCmp                                 | RelCmpRq_15(TCV_chTch, TCV_TI2, TCV_Invkld)                                                                                                                                                                                                                                                                                                                                                  |     |
|                           | (TCV_Res := OO_SSresultCHK(C_ErsCFNRy))          |                                                                                                                                                                                                                                                                                                                                                                                              |     |
|                           | [TCV_Res]                                        |                                                                                                                                                                                                                                                                                                                                                                                              | (P) |
|                           | LIDL_DatRqCcstEnq                                | CCStEq_01(TCV_TI, TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                 |     |
|                           | L?DL_DatInCcst                                   | CCSt_14(TCV_TI0, C_U10)                                                                                                                                                                                                                                                                                                                                                                      | (P) |
|                           | +PostMainLinkRel(TCV_chTch)                      |                                                                                                                                                                                                                                                                                                                                                                                              |     |
|                           | [NOT TCV_Res]                                    |                                                                                                                                                                                                                                                                                                                                                                                              | (F) |
|                           | +PostMainLinkRel(TCV_chTch)                      |                                                                                                                                                                                                                                                                                                                                                                                              |     |
| <b>Detailed Comments:</b> |                                                  | <ol style="list-style-type: none"> <li>1. To setup physical channels as BCCH, CCCH and SDCCH4 with default parameters and full rate traffic channel.</li> <li>2. To establish a mobile originating call.</li> <li>3. To initiate an erasure of call forwarding service for CFU (speech).</li> <li>4. To initiate an erasure of call forwarding service for CFNRy (all facsimile).</li> </ol> |     |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         |    |                         |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_31_2_1_3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                         |    |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |    |                         |
| <b>Purpose:</b>             |       | <p>1) To check that the MS correctly requests a supplementary service transaction for activation of call forwarding in CHANNEL REQUEST message.</p> <p>2) To check that the MS correctly requests a supplementary service transaction for activation of call forwarding in the subsequent CM-SERVICE REQUEST.</p> <p>3) To check that the MS sends a REGISTER message containing the invoke of the ActivateSS operation with the expected parameter values for activation of call forwarding.</p> <p>4) To check that upon receipt of the result of the operation (in a RELEASE COMPLETE message), the MS provides the appropriate user indication (as described by the manufacturer).</p> <p>These checks are done for :</p> <p>a) CF, for basic service group "all synchronous services".</p> <p>b) CFU, for all basic service groups.</p> |                                                                         |    |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         |    |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CRef                                                                    | V  | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |    |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                         |    |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         |    |                         |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |    |                         |
| 5                           |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         | 1. |                         |
| 6                           |       | (TCV_Null := OO_InitSS("**002**22#"))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                         | 2. |                         |
| 7                           |       | +part1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |    |                         |
| 8                           |       | (TCV_Null := OO_InitSS("**21#"))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                         | 3. |                         |
| 9                           |       | +part2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |    |                         |
|                             |       | <b>part1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |    |                         |
| 10                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ChReq_03                                                                |    |                         |
| 11                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |    | To match ChReq retrans. |
| 12                          |       | LIDL_UdatRqImmass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |    |                         |
| 13                          |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | CmsReq_08                                                               |    |                         |
| 14                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |    | Restore Normal default  |
| 15                          |       | LIDL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CmsReq_01(TCV_ch)                                                       |    |                         |
| 16                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                         |    |                         |
|                             |       | <b>localtree</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                         |    |                         |
| 17                          |       | L?DL_DatInRegister ( TCV_TI := DL_DatInRegister.msg.ti, TCV_TI0 := TCV_TI, TCV_TI0.ti_f := '1'B, TCV_Comp := DL_DatInRegister.msg.fie.components_1, TCV_n := OC_PosinSet(TCV_Comp, ActivateSS_01), TCV_Invkld := OC_Asn1intToOct(TCV_Comp.[TCV_n].activateSScomponents.activateSS_InvokeComp.invokeID, 1))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Register_11                                                             |    |                         |
| 18                          |       | LIDL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RelCmpRq_45(TCV_ch, TCV_TI, TCV_Invkld)                                 |    |                         |
| 19                          |       | +Checktree(C_ActCF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |    |                         |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |                                                                                      |                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------|
| 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>part2</b><br>L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                      | ChReq_03                                                                             |                         |
| 21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                          |                                                                                      | To match ChReq retrans. |
| 22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | L!DL_UdatRqImmss                                                                                                                                                                                                                                                                                                                                      | ImmAss_01Def(TCV_<br>agch, TCV_Rr,<br>TCV_Fn, TCV_slot,<br>TCV_tsc,<br>TimingAdv_01) |                         |
| 23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                       | CmserReq_08                                                                          |                         |
| 24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                             |                                                                                      | Restore Normal default  |
| 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | L!DL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                                      | CmserAcp_01(TCV_c<br>h)                                                              |                         |
| 26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | +localtree1                                                                                                                                                                                                                                                                                                                                           |                                                                                      |                         |
| 27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>localtree1</b><br>L?DL_DatInRegister ( TCV_TI :=<br>DL_DatInRegister.msg.ti, TCV_TI0 := TCV_TI,<br>TCV_TI0.ti_f := '1'B, TCV_Comp :=<br>DL_DatInRegister.msg.fie.components_1, TCV_n :=<br>OC_PosinSet(TCV_Comp, ActivateSS_02),<br>TCV_Invkld :=<br>OC_Asn1intToOct(TCV_Comp.[TCV_n].activateSSCo<br>mponents.activateSS_InvokeComp.invokeID, 1)) | Register_12                                                                          |                         |
| 28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | L!DL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                                      | RelCmpRq_16(TCV_<br>ch, TCV_TI,<br>TCV_Invkld)                                       | 5.                      |
| 29                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | +Checktree(C_ActCFU)                                                                                                                                                                                                                                                                                                                                  |                                                                                      |                         |
| 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Checktree(par:INTEGER)</b><br>(TCV_Res := OO_SSresultCHK(par))                                                                                                                                                                                                                                                                                     |                                                                                      | 6.                      |
| 31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                      |                                                                                      | (P)                     |
| 32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                              |                                                                                      |                         |
| 33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                     |                                                                                      | (F)                     |
| 34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                              |                                                                                      |                         |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                       |                                                                                      |                         |
| <ol style="list-style-type: none"> <li>1. To setup a physical channel as BCCH, CCCH and SDCCH4 with default parameters.</li> <li>2. To initiate an ActivateSS operation of call forwarding service for CF (all synchronous services).</li> <li>3. To initiate an ActivateSS operation of call forwarding service for CFU (all basic services).</li> <li>4. To return the ReturnResult of SSoperation by FACILITY message.</li> <li>5. To return the ReturnResult of SSoperation by RELEASE COMPLETE message.</li> <li>6. To check whether the user indication is correct.</li> </ol> |                                                                                                                                                                                                                                                                                                                                                       |                                                                                      |                         |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         |    |                         |
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| <b>Test Case Name:</b>      |       | TC_31_2_1_4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                         |    |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |    |                         |
| <b>Purpose:</b>             |       | <p>1) To check that the MS correctly requests a supplementary service transaction for deactivation of call forwarding in CHANNEL REQUEST message.</p> <p>2) To check that the MS correctly requests a supplementary service transaction for deactivation of call forwarding in the subsequent CM-SERVICE REQUEST.</p> <p>3) To check that the MS sends a REGISTER message containing the invoke of the DeactivateSS operation with the expected parameter values for deactivation of call forwarding.</p> <p>4) To check that upon receipt of the result of the operation (in a RELEASE COMPLETE message), the MS provides the appropriate user indication (as described by the manufacturer).</p> <p>These checks are done for :</p> <p>a) CFC, for basic service group speech.</p> <p>b) CFNRc, for basic service group all facsimile.</p> |                                                                         |    |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         |    |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CRef                                                                    | V  | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |    |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                         |    |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         |    |                         |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |    |                         |
| 5                           |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         | 1. |                         |
| 6                           |       | (TCV_Null := OO_InitSS("#004**11#"))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                         | 2. |                         |
| 7                           |       | +part1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |    |                         |
| 8                           |       | (TCV_Null := OO_InitSS("#62**13#"))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         | 3. |                         |
| 9                           |       | +part2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |    |                         |
|                             |       | <b>part1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |    |                         |
| 10                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ChReq_03                                                                |    |                         |
| 11                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |    | To match ChReq retrans. |
| 12                          |       | LIDL_UdatRqImmass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |    |                         |
| 13                          |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | CmsReq_08                                                               |    |                         |
| 14                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |    | Restore Normal default  |
| 15                          |       | LIDL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CmsReq_01(TCV_ch)                                                       |    |                         |
| 16                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                         |    |                         |
|                             |       | <b>localtree</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                         |    |                         |
| 17                          |       | L?DL_DatInRegister ( TCV_TI := DL_DatInRegister.msg.ti, TCV_TI0 := TCV_TI, TCV_TI0.ti_f := '1'B, TCV_Comp := DL_DatInRegister.msg.fie.components_1, TCV_n := OC_PosinSet(TCV_Comp, DeactivateSS_01), TCV_Invkld := OC_Asn1intToOct(TCV_Comp.[TCV_n].deactivateSS.Components.deactivateSS_InvokeComp.invokeID, 1))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Register_13                                                             |    |                         |
| 18                          |       | LIDL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RelCmpRq_46(TCV_ch, TCV_TI, TCV_Invkld)                                 |    |                         |
| 19                          |       | +Checktree(C_DeactCFC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |    |                         |
|                             |       | <b>part2</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |    |                         |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                             |                                                                          |                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-------------------------|
| 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                            | ChReq_03                                                                 |                         |
| 21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                |                                                                          | To match ChReq retrans. |
| 22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | LIDL_UdatRqImm                                                                                                                                                                                                                                                                                                                                              | ImmAss_01Def(TCV_ agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |                         |
| 23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                             | CmserReq_08                                                              |                         |
| 24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                   |                                                                          | Restore Normal default  |
| 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | LIDL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                                            | CmserAcp_01(TCV_c h)                                                     |                         |
| 26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | +localtree1                                                                                                                                                                                                                                                                                                                                                 |                                                                          |                         |
| 27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>localtree1</b><br>L?DL_DatInRegister ( TCV_TI :=<br>DL_DatInRegister.msg.ti, TCV_TI0 := TCV_TI,<br>TCV_TI0.ti_f := '1'B, TCV_Comp :=<br>DL_DatInRegister.msg.fie.components_1, TCV_n :=<br>OC_PosinSet(TCV_Comp, DeactivateSS_02),<br>TCV_Invkld :=<br>OC_Asn1intToOct(TCV_Comp,[TCV_n].deactivateSS<br>Components.deactivateSS_InvokeComp.invokeID, 1)) | Register_14                                                              |                         |
| 28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | LIDL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                                            | RelCmpRq_17(TCV_ ch, TCV_TI, TCV_Invkld)                                 | 5.                      |
| 29                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | +Checktree(C_DeactCFNRc)                                                                                                                                                                                                                                                                                                                                    |                                                                          |                         |
| 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Checktree(par:INTEGER)</b><br>(TCV_Res := OO_SSresultCHK(par))                                                                                                                                                                                                                                                                                           |                                                                          | 6.                      |
| 31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                            |                                                                          | (P)                     |
| 32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                    |                                                                          |                         |
| 33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                           |                                                                          | (F)                     |
| 34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                    |                                                                          |                         |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                             |                                                                          |                         |
| <ol style="list-style-type: none"> <li>1. To setup a physical channel as BCCH, CCCH and SDCCH4 with default parameters.</li> <li>2. To initiate a DeactivateSS operation of call forwarding service for CFC (speech).</li> <li>3. To initiate a DeactivateSS operation of call forwarding service for CFNRc (all facsimile).</li> <li>4. To return the ReturnResult of SSoperation by FACILITY message.</li> <li>5. To return the ReturnResult of SSoperation by RELEASE COMPLETE message.</li> <li>6. To check whether the user indication is correct.</li> </ol> |                                                                                                                                                                                                                                                                                                                                                             |                                                                          |                         |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                         |    |                         |
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| <b>Test Case Name:</b>      |       | TC_31_2_1_6_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |    |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         |    |                         |
| <b>Purpose:</b>             |       | <p>1) To check that the MS correctly requests a supplementary service transaction for interrogation of a specific call forwarding in CHANNEL REQUEST message.</p> <p>2) To check that the MS correctly requests a supplementary service transaction for interrogation of call forwarding in the subsequent CM-SERVICE REQUEST.</p> <p>3) To check that the MS sends a REGISTER message containing the invoke of the InterrogateSS operation with the expected parameter values for interrogation of call forwarding.</p> <p>4) To check that upon receipt of the result of the operation (in a RELEASE COMPLETE message), the MS provides the appropriate user indication (as described by the manufacturer).</p> <p>These checks are done for :</p> <p>a) CFB, for all basic service groups.</p> <p>b) CFC, for basic service group speech.</p> |                                                                         |    |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                         |    |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | CRef                                                                    | V  | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                         |    |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                         |    |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                         |    |                         |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         |    |                         |
| 5                           |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                         | 1. |                         |
| 6                           |       | (TCV_Null := OO_InitSS("**#67#"))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                         | 2. |                         |
| 7                           |       | +part1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |    |                         |
| 8                           |       | (TCV_Null := OO_InitSS("**#61**11#"))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         | 3. |                         |
| 9                           |       | +part2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |    |                         |
|                             |       | <b>part1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |    |                         |
| 10                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ChReq_03                                                                |    |                         |
| 11                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |    | To match ChReq retrans. |
| 12                          |       | LIDL_UdatRqImmass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |    |                         |
| 13                          |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CmsReq_08                                                               |    |                         |
| 14                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                         |    | Restore Normal default  |
| 15                          |       | LIDL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | CmsReq_01(TCV_ch)                                                       |    |                         |
| 16                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |    |                         |
|                             |       | <b>localtree</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |    |                         |
| 17                          |       | L?DL_DatInRegister (TCV_TI := DL_DatInRegister.msg.ti, TCV_TI0 := TCV_TI, TCV_TI0.ti_f := '1'B, TCV_Comp := DL_DatInRegister.msg.fie.components_1, TCV_n := OC_PosinSet(TCV_Comp, InterrogateSS_01), TCV_Invkld := OC_Asn1intToOct(TCV_Comp.[TCV_n].interrogateSSComponents.interrogateSS_InvokeComp.invokeID, 1))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Register_15                                                             |    |                         |
| 18                          |       | LIDL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | RelCmpRq_47(TCV_ch, TCV_TI, TCV_Invkld)                                 |    |                         |
| 19                          |       | +Checktree(C_InterrogCFB)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                         |    |                         |
|                             |       | <b>part2</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |    |                         |

|    |                                                                                                                                                                                                                                                                                                                                                                   |                                                                                      |                         |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------|
| 20 | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                  | ChReq_03                                                                             |                         |
| 21 | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                      |                                                                                      | To match ChReq retrans. |
| 22 | L!DL_UdatRqImm                                                                                                                                                                                                                                                                                                                                                    | ImmAss_01Def(TCV_<br>agch, TCV_Rr,<br>TCV_Fn, TCV_slot,<br>TCV_tsc,<br>TimingAdv_01) |                         |
| 23 | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                                   | CmserReq_08                                                                          |                         |
| 24 | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                         |                                                                                      | Restore Normal default  |
| 25 | L!DL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                                                  | CmserAcp_01(TCV_c<br>h)                                                              |                         |
| 26 | +localtree1                                                                                                                                                                                                                                                                                                                                                       |                                                                                      |                         |
| 27 | <b>localtree1</b><br>L?DL_DatInRegister ( TCV_TI :=<br>DL_DatInRegister.msg.ti, TCV_TI0 := TCV_TI,<br>TCV_TI0.ti_f := '1'B, TCV_Comp :=<br>DL_DatInRegister.msg.fie.components_1, TCV_n :=<br>OC_PosinSet(TCV_Comp, InterrogateSS_02),<br>TCV_Invkld :=<br>OC_Asn1intToOct(TCV_Comp.[TCV_n].interrogateS<br>SComponents.interrogateSS_InvokeComp.invokeID,<br>1)) | Register_16                                                                          |                         |
| 28 | L!DL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                                                  | RelCmpRq_18(TCV_<br>ch, TCV_TI,<br>TCV_Invkld)                                       | 5.                      |
| 29 | +Checktree(C_InterrogCFC)                                                                                                                                                                                                                                                                                                                                         |                                                                                      |                         |
| 30 | <b>Checktree(par:INTEGER)</b><br>(TCV_Res := OO_SSresultCHK(par))                                                                                                                                                                                                                                                                                                 |                                                                                      | 6.                      |
| 31 | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                  | (P)                                                                                  |                         |
| 32 | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                          |                                                                                      |                         |
| 33 | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                                 | (F)                                                                                  |                         |
| 34 | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                          |                                                                                      |                         |

**Detailed Comments:**

1. To setup a physical channel as BCCH, CCCH and SDCCH4 with default parameters.
2. To initiate a InterrogateSS operation of call forwarding service for CFB (all basic services).
3. To initiate a InterrogateSS operation of call forwarding service for CFNRy (Speech).
4. To return the ReturnResult of SSoperation by FACILITY message.
5. To return the ReturnResult of SSoperation by RELEASE COMPLETE message.
6. To check whether the user indication is correct.

### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_31_2_1_6_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Group:</b>          | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purpose:</b>        | <p>1) To check that the MS correctly requests the establishment of a parallel MM transaction for supplementary service transaction of interrogation of a specific call forwarding service, sending a CM-SERVICE REQUEST.</p> <p>2) To check that the MS sends a REGISTER message containing the invoke of the InterrogateSS operation with the expected parameter values for interrogation of call forwarding.</p> <p>3) To check that upon receipt of the RELEASE COMPLETE message related to the present SS transaction, the first transaction remains unaffected.</p> <p>4) To check that upon receipt of the RELEASE COMPLETE message, the MS provides the appropriate user indication (as described by the Manufacturer).</p> <p>These checks are performed with a call transaction already established for :</p> <p>a) CFNRC, for all basic service group, the RELEASE COMPLETE message being sent with a facility IE containing a return_error(error) where error is "SS not available".</p> <p>b) CFB, for all facsimile, the RELEASE COMPLETE message being sent with a facility IE containing a reject(invoked_problem) where invoked_problem is "resource limitation".</p> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| Nr | Label | Behaviour Description                                                                                                                                                                                                                                                                                                 | CRef                                        | V | Comments |
|----|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---|----------|
| 1  |       | START T_guard(300)                                                                                                                                                                                                                                                                                                    |                                             |   |          |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                  |                                             |   |          |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                       |                                             |   |          |
| 4  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef), TCV_cksN := TSPX_CKSNDDef)                                                            |                                             |   |          |
| 5  |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlfDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                           |                                             |   | 1.       |
| 6  |       | +EstMsOrigFullRateCall(TimingAdv_01)                                                                                                                                                                                                                                                                                  |                                             |   | 2.       |
| 7  |       | (TCV_Null := OO_InitSS("**62#"))                                                                                                                                                                                                                                                                                      |                                             |   | 3.       |
| 8  |       | +part1                                                                                                                                                                                                                                                                                                                |                                             |   |          |
| 9  |       | (TCV_Null := OO_InitSS("**67**13#"))                                                                                                                                                                                                                                                                                  |                                             |   | 4.       |
| 10 |       | +part2                                                                                                                                                                                                                                                                                                                |                                             |   |          |
|    |       | <b>part1</b>                                                                                                                                                                                                                                                                                                          |                                             |   |          |
| 11 |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                       | CmserReq_08                                 |   |          |
| 12 |       | L!DL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                      | CmserAcp_01(TCV_chTch)                      |   |          |
| 13 |       | +localtree                                                                                                                                                                                                                                                                                                            |                                             |   |          |
|    |       | <b>localtree</b>                                                                                                                                                                                                                                                                                                      |                                             |   |          |
| 14 |       | L?DL_DatInRegister ( TCV_TI1 := DL_DatInRegister.msg.ti, TCV_TI2 := TCV_TI1, TCV_TI2.ti_f := '1'B, TCV_Comp := DL_DatInRegister.msg.fie.components_1, TCV_n := OC_PosinSet(TCV_Comp, InterrogateSS_03), TCV_InvkId := OC_Asn1intToOct(TCV_Comp.[TCV_n].interrogateSSComponents.interrogateSS_InvokeComp.invokelD, 1)) | Register_17                                 |   |          |
| 15 |       | L!DL_DatRqRelCmp                                                                                                                                                                                                                                                                                                      | RelCmpRq_19(TCV_chTch, TCV_TI2, TCV_InvkId) |   |          |
| 16 |       | L!DL_DatRqCcstEnq                                                                                                                                                                                                                                                                                                     | CCStEq_01(TCV_TI,                           |   |          |

|    |                                                                                                                                                                                                                                                                                                                                                                     |                                                    |     |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----|
| 17 | L?DL_DatInCst                                                                                                                                                                                                                                                                                                                                                       | TCV_chTch)<br>CCSt_14(TCV_TI0,<br>C_U10)           | (P) |
| 18 | <b>part2</b><br>L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                     | CmserReq_08                                        |     |
| 19 | L!DL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                                                    | CmserAcp_01(TCV_c<br>hTch)                         |     |
| 20 | +localtree1                                                                                                                                                                                                                                                                                                                                                         |                                                    |     |
| 21 | <b>localtree1</b><br>L?DL_DatInRegister ( TCV_TI1 :=<br>DL_DatInRegister.msg.ti, TCV_TI2 := TCV_TI1,<br>TCV_TI2.ti_f := '1'B, TCV_Comp :=<br>DL_DatInRegister.msg.fie.components_1, TCV_n :=<br>OC_PosinSet(TCV_Comp, InterrogateSS_04),<br>TCV_Invkld :=<br>OC_Asn1intToOct(TCV_Comp.[TCV_n].interrogateS<br>SComponents.interrogateSS_InvokeComp.invokeID,<br>1)) | Register_18                                        |     |
| 22 | L!DL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                                                    | RelCmpRq_20(TCV_<br>chTch, TCV_TI2,<br>TCV_Invkld) |     |
| 23 | +Checktree(C_InterrogCFB)                                                                                                                                                                                                                                                                                                                                           |                                                    |     |
| 24 | <b>Checktree(par:INTEGER)</b><br>(TCV_Res := OO_SSresultCHK(par))                                                                                                                                                                                                                                                                                                   |                                                    |     |
| 25 | [TCV_Res]                                                                                                                                                                                                                                                                                                                                                           |                                                    | (P) |
| 26 | L!DL_DatRqCstEnq                                                                                                                                                                                                                                                                                                                                                    | CCStEq_01(TCV_TI,<br>TCV_chTch)                    |     |
| 27 | L?DL_DatInCst                                                                                                                                                                                                                                                                                                                                                       | CCSt_14(TCV_TI0,<br>C_U10)                         | (P) |
| 28 | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                         |                                                    |     |
| 29 | [NOT TCV_Res]                                                                                                                                                                                                                                                                                                                                                       |                                                    | (F) |
| 30 | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                         |                                                    |     |

**Detailed Comments:**

1. To setup physical channels as BCCH, CCCH and SDCCH4 with default parameters and full rate traffic channel.
2. To establish a mobile originating call.
3. To initiate an interrogation of call forwarding service for CFNRc (all basic services).
4. To initiate an interrogation of call forwarding service for CFB (all facsimile).

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                         |     |                         |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_31_2_1_7_1_1                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                         |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                         |     |                         |
| <b>Purpose:</b>             |       | <p>1) To check that, in state U7 or U10, upon receipt of a FACILITY message notifying an incoming call, the MS shall provide the appropriate user indication (which is to be described by the manufacturer).</p> <p>2) To check that when the notification of incoming call is received while the MS is in CC state U7 and U10 of another incoming call, it has no effect on its state.</p> <p>These checks are performed in the case of CFB.</p> |                                                                         |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                         |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                             | CRef                                                                    | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                         |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         |     |                         |
| 3                           |       | +IdleUpdated(C_Cella, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                   |                                                                         |     |                         |
| 4                           |       | +BasicServiceMT(TSPX_MT_BscSvc_Speech_FullRate, C_Full, FALSE)                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |     |                         |
| 5                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_Cella), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_Cella), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1)                                                                                                                                                                                                                                                                      |                                                                         |     |                         |
| 6                           |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                       |                                                                         |     | 1.                      |
| 7                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |     |                         |
| 8                           |       | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                                                                                                                  | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                                  |     |                         |
| 9                           |       | L?DL_RacInChRq ( TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                  | ChReq_01                                                                |     |                         |
| 10                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |     | To match ChReq retrans. |
| 11                          |       | L!DL_UdatRqImmass                                                                                                                                                                                                                                                                                                                                                                                                                                 | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |     |                         |
| 12                          |       | L?DL_EstInPgRes                                                                                                                                                                                                                                                                                                                                                                                                                                   | PgRes_01                                                                |     |                         |
| 13                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                         |     | Restore Normal default  |
| 14                          |       | L!DL_DatRqSetup (TCV_TI.ti_f := '0'B, TCV_TI.ti_v := '000'B)                                                                                                                                                                                                                                                                                                                                                                                      | SetupRq_05(TCV_ch, TCV_Setup_mt)                                        |     |                         |
| 15                          |       | +AssCmdGen2MT                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |     |                         |
| 16                          |       | L?DL_DatInCallCo(TCV_CallCfm:=DL_DatInCallCo.msg)                                                                                                                                                                                                                                                                                                                                                                                                 | CallCfm_01                                                              |     |                         |
| 17                          |       | +AssCh_complete(TCV_ch, TCV_chTch, TCV_AssCmd)                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |     |                         |
| 18                          |       | L?DL_DatInAlert                                                                                                                                                                                                                                                                                                                                                                                                                                   | AlertRcv_01                                                             |     |                         |
| 19                          |       | +continue                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                         |     |                         |
| 20                          |       | <b>continue</b><br>L!DL_DatRqFac                                                                                                                                                                                                                                                                                                                                                                                                                  | FacilityRq_07(TCV_chTch, TI_02)                                         |     | 2.                      |
| 21                          |       | (TCV_Res := OO_SSresultCHK(C_NotifyCFB))                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |     |                         |
| 22                          |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                         | (P) |                         |
| 23                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                         |     |                         |
| 24                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         | (F) |                         |
| 25                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                         |     |                         |
|                             |       | <b>localtree</b>                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                         |     |                         |



|    |                                             |                                     |     |    |
|----|---------------------------------------------|-------------------------------------|-----|----|
| 26 | L!DL_DatRqCstEnq                            | CCStEq_01(TI_02,<br>TCV_chTch)      |     |    |
| 27 | L?DL_DatInCst                               | CCSt_14(TI_01,<br>C_U7)             | (P) |    |
| 28 | (TCV_Null := OO_HookOff())                  |                                     |     |    |
| 29 | L?DL_DatInConn                              | ConnRcv_01                          |     |    |
| 30 | L!DL_DatRqConnAck                           | ConnAck_01(TCV_ch<br>Tch)           |     |    |
| 31 | L!DL_DatRqFac                               | FacilityRq_07(TCV_c<br>hTch, TI_02) |     | 3. |
| 32 | (TCV_Res :=<br>OO_SSresultCHK(C_NotifyCFB)) |                                     |     |    |
| 33 | [TCV_Res = TRUE]                            |                                     | (P) |    |
| 34 | +localtree1                                 |                                     |     |    |
| 35 | [TCV_Res = FALSE]                           |                                     | (F) |    |
| 36 | +localtree1                                 |                                     |     |    |
|    | <b>localtree1</b>                           |                                     |     |    |
| 37 | L!DL_DatRqCstEnq                            | CCStEq_01(TI_02,<br>TCV_chTch)      |     |    |
| 38 | L?DL_DatInCst                               | CCSt_14(TI_01,<br>C_U10)            | (P) |    |
| 39 | L!DL_DatRqRelCmp                            | RelCmpRq_08(TCV_<br>chTch, TI_02)   |     |    |
| 40 | +PostMainLinkRel(TCV_chTch)                 |                                     |     |    |

**Detailed Comments:**

1. To setup physical channels for BCCH, CCCH, SDCCH4 and full rate traffic channels.
2. To send a FACILITY message containing NotifySS invocation while the MS is in U7 state.
3. To send a FACILITY message containing NotifySS invocation while the MS is in U10 state.

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |     |                         |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_31_2_1_7_1_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                         |     |                         |
| <b>Purpose:</b>             |       | <p>1) To check that when an outgoing call is being established, if the ALERTING message is received with the facility information element containing an SS notification, the MS correctly reaches CC state U4. This is tested for CFU.</p> <p>2) As an outgoing call is being established, if the ALERTING message is received with the facility information element containing an SS notification, the MS provides the appropriate user indication (which is to be described by the manufacturer). This is tested for CFU.</p> <p>3) As an outgoing call is being established, if the CONNECT message is received with the facility information element containing an SS notification, the MS normally sends a CONNECT ACK message and enter CC state U10. This is tested for CFC.</p> <p>4) As an outgoing call is being established, if the CONNECT message is received with the facility information element containaining an SS notification (for CFU or CFC), the MS provides the appropriate user indication (which is to be described by the manufacturer). This is tested for CFC.</p> |                                                                         |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CRef                                                                    | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |     |                         |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |     |                         |
| 5                           |       | +PreEnterIdleState_04(C_Immass,TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |     | 1.                      |
| 6                           |       | +AttmpFullRateCall                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         |     |                         |
| 7                           |       | +BasicServiceMO(TSPX_MO_BscSvc_FRCall, C_Full)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                         |     |                         |
| 8                           |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq_msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ChReq_17                                                                |     |                         |
| 9                           |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |     | To match ChReq retrans. |
| 10                          |       | L!DL_UdatRqImmass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |     |                         |
| 11                          |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | CmsrReq_01                                                              |     |                         |
| 12                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |     | Restore Normal default  |
| 13                          |       | LIDL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CmsrAcp_01(TCV_ch)                                                      |     |                         |
| 14                          |       | +SetupRcvMo(SetupInd_01)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                         |     |                         |
| 15                          |       | L!DL_DatRqCallProc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | CallProc(TCV_ch, TCV_CallProc)                                          |     |                         |
| 16                          |       | +AssCmdGenMO(C_Full)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |     |                         |
| 17                          |       | +AssCh_complete(TCV_ch,TCV_chTch,TCV_AssCmd)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |     |                         |
| 18                          |       | +continue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |     |                         |
|                             |       | <b>continue</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |     |                         |
| 19                          |       | L!DL_DatRqAlert                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Alert_02(TCV_TI, TCV_chTch)                                             |     | 2.                      |
| 20                          |       | (TCV_Res := OO_SSresultCHK(C_NotifyCFU))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                         |     |                         |
| 21                          |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                         | (P) |                         |
| 22                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |     |                         |
| 23                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                         | (F) |                         |

|    |                                             |                                    |     |    |
|----|---------------------------------------------|------------------------------------|-----|----|
| 24 | +localtree                                  |                                    |     |    |
|    | <b>localtree</b>                            |                                    |     |    |
| 25 | L!DL_DatRqCcstEnq                           | CCStEq_01(TCV_TI,<br>TCV_chTch)    |     |    |
| 26 | L?DL_DatInCcst                              | CCSt_14(TCV_TI0,<br>C_U4)          | (P) |    |
| 27 | LIDL_DatRqConn                              | Conn_03(TCV_TI,<br>TCV_chTch)      |     | 3. |
| 28 | L?DL_DatInConnAck                           | ConnAckRcv_01(TCV<br>_TI0)         |     |    |
| 29 | (TCV_Res :=<br>OO_SSresultCHK(C_NotifyCFC)) |                                    |     |    |
| 30 | [TCV_Res = TRUE]                            |                                    | (P) |    |
| 31 | +localtree1                                 |                                    |     |    |
| 32 | [TCV_Res = FALSE]                           |                                    | (F) |    |
| 33 | +localtree1                                 |                                    |     |    |
|    | <b>localtree1</b>                           |                                    |     |    |
| 34 | L!DL_DatRqCcstEnq                           | CCStEq_01(TCV_TI,<br>TCV_chTch)    |     |    |
| 35 | L?DL_DatInCcst                              | CCSt_14(TCV_TI0,<br>C_U10)         | (P) |    |
| 36 | LIDL_DatRqRelCmp                            | RelCmpRq_08(TCV_<br>chTch, TCV_TI) |     |    |
| 37 | +PostMainLinkRel(TCV_chTch)                 |                                    |     |    |

**Detailed Comments:**

1. To setup physical channels for BCCH, CCCH, SDCCH4 and full rate traffic channels.
2. To send an ALERTING message containing NotifySS invocation while the MS is in U4 state.
3. To send a CONNECT message containing NotifySS invocation while the MS is in U10 state.

| Test Case Dynamic Behaviour |                  |                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |     |                         |
|-----------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |                  | TC_31_2_1_7_2                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         |     |                         |
| <b>Group:</b>               |                  | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                         |     |                         |
| <b>Purpose:</b>             |                  | <p>1) To check that, upon receipt of the SETUP message containing a notification indication that the call is a forwarded one, the MS correctly continues call establishment and enters CC state U6.</p> <p>2) Upon receipt of the SETUP message containing a notification indication that the call is a forwarded one, the MS provides the appropriate user indication (which is to be described by the manufacturer).</p> |                                                                         |     |                         |
| <b>Default:</b>             |                  | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |     |                         |
| Nr                          | Label            | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                      | CRef                                                                    | V   | Comments                |
| 1                           |                  | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                         |     |                         |
| 2                           |                  | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |     |                         |
| 3                           |                  | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                            |                                                                         |     |                         |
| 4                           |                  | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                                                                                                                                                                                                                        |                                                                         |     |                         |
| 5                           |                  | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                   |                                                                         |     | 1.                      |
| 6                           |                  | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                                                                                                                             |                                                                         |     |                         |
| 7                           |                  | L!DL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                                                                                           | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                                  |     |                         |
| 8                           |                  | L?DL_RaInChRq ( TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                                              | ChReq_01                                                                |     |                         |
| 9                           |                  | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                                               |                                                                         |     | To match ChReq retrans. |
| 10                          |                  | L!DL_UdatRqImmass                                                                                                                                                                                                                                                                                                                                                                                                          | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |     |                         |
| 11                          |                  | L?DL_EstInPgRes                                                                                                                                                                                                                                                                                                                                                                                                            | PgRes_01                                                                |     |                         |
| 12                          |                  | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                         |     | Restore Normal default  |
| 13                          |                  | L!DL_DatRqSetup                                                                                                                                                                                                                                                                                                                                                                                                            | SetupRq_05(TCV_ch, Setup_24)                                            |     | 2.                      |
| 14                          |                  | L!DL_DatRqCstEnq                                                                                                                                                                                                                                                                                                                                                                                                           | CCStEq_01(TI_02, TCV_ch)                                                |     |                         |
| 15                          |                  | L?DL_DatInCst                                                                                                                                                                                                                                                                                                                                                                                                              | CCSt_14(TI_01, C_U6)                                                    | (P) |                         |
| 16                          |                  | (TCV_Res := OO_SSresultCHK(C_NotifyCFNRc))                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |     |                         |
| 17                          |                  | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         | (P) |                         |
| 18                          |                  | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |     |                         |
| 19                          |                  | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         | (F) |                         |
| 20                          |                  | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |     |                         |
| 21                          | <b>localtree</b> | L!DL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                                                                                                           | RelCmpRq_08(TCV_ch, TI_02)                                              |     |                         |
| 22                          |                  | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                         |     |                         |
| <b>Detailed Comments:</b>   |                  | <p>1. To setup a physical channel as BCCH, CCCH and SDCCH4.</p> <p>2. To send a setup message containing facility IE (notification, forwarded call).</p>                                                                                                                                                                                                                                                                   |                                                                         |     |                         |

### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_31_6_1_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Group:</b>          | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purpose:</b>        | <ol style="list-style-type: none"> <li>1) To verify that when the MS receives the AOCC parameters in a Facility IE which is contained in the CONNECT message and when a TCH has already been assigned, the MS returns a FACILITY message containing the acknowledgement within 1 second.</li> <li>2) To verify that when the MS receives the AOCC parameters in a Facility IE which is contained in a CONNECT message and when a TCH has already been assigned, the MS stores the correct value in the ACM field of the SIM.</li> <li>3) To verify that the when the call has no volume related component the MS ignores non-zero AOCC e5, e6 parameters sent to it.</li> </ol> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

| Nr | Label | Behaviour Description                                                                                                                                                        | CRef                       | V | Comments |
|----|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---|----------|
| 1  |       | START T_guard(1800)                                                                                                                                                          |                            |   |          |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                         |                            |   |          |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                              |                            |   |          |
| 4  |       | (TCV_Null := OO_ACMReading())                                                                                                                                                |                            |   | 1.       |
| 5  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1) |                            |   |          |
| 6  |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmStDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                   |                            |   |          |
| 7  |       | +execution1                                                                                                                                                                  |                            |   |          |
| 8  |       | +execution2                                                                                                                                                                  |                            |   |          |
| 9  |       | +execution3                                                                                                                                                                  |                            |   |          |
| 10 |       | +execution4                                                                                                                                                                  |                            |   |          |
| 11 |       | +execution5                                                                                                                                                                  |                            |   |          |
|    |       | <b>execution1</b>                                                                                                                                                            |                            |   |          |
| 12 |       | +start                                                                                                                                                                       |                            |   |          |
| 13 |       | L!DL_DatRqConn START T_dly(90000), START T_dly1(1000)                                                                                                                        | Conn_04(TCV_TI, TCV_chTch) |   | 2.       |
| 14 |       | +AOC_CHK_FAC(TCV_TI0)                                                                                                                                                        |                            |   |          |
| 15 |       | +localtree("43")                                                                                                                                                             |                            |   |          |
|    |       | <b>execution2</b>                                                                                                                                                            |                            |   |          |
| 16 |       | +start                                                                                                                                                                       |                            |   |          |
| 17 |       | L!DL_DatRqConn START T_dly(90000), START T_dly1(1000)                                                                                                                        | Conn_05(TCV_TI, TCV_chTch) |   |          |
| 18 |       | +AOC_CHK_FAC(TCV_TI0)                                                                                                                                                        |                            |   |          |
| 19 |       | +localtree("100")                                                                                                                                                            |                            |   |          |
|    |       | <b>execution3</b>                                                                                                                                                            |                            |   |          |
| 20 |       | +start                                                                                                                                                                       |                            |   |          |
| 21 |       | L!DL_DatRqConn START T_dly(90000), START T_dly1(1000)                                                                                                                        | Conn_06(TCV_TI, TCV_chTch) |   |          |
| 22 |       | +AOC_CHK_FAC(TCV_TI0)                                                                                                                                                        |                            |   |          |
| 23 |       | +localtree("2000")                                                                                                                                                           |                            |   |          |
|    |       | <b>execution4</b>                                                                                                                                                            |                            |   |          |
| 24 |       | +start                                                                                                                                                                       |                            |   |          |
| 25 |       | L!DL_DatRqConn START T_dly(90000), START T_dly1(1000)                                                                                                                        | Conn_07(TCV_TI, TCV_chTch) |   |          |
| 26 |       | +AOC_CHK_FAC(TCV_TI0)                                                                                                                                                        |                            |   |          |
| 27 |       | +localtree("89 or 90")                                                                                                                                                       |                            |   |          |
|    |       | <b>execution5</b>                                                                                                                                                            |                            |   |          |

|                           |                                                                                     |                                                                                                                                                                                                                                                                                                                                 |     |                         |
|---------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------|
| 28                        | +start                                                                              |                                                                                                                                                                                                                                                                                                                                 |     |                         |
| 29                        | L!DL_DatRqConn START T_dly(90000), START<br>T_dly1(1000)                            | Conn_08(TCV_TI,<br>TCV_chTch)                                                                                                                                                                                                                                                                                                   |     |                         |
| 30                        | +AOC_CHK_FAC(TCV_TI0)                                                               |                                                                                                                                                                                                                                                                                                                                 |     |                         |
| 31                        | +localtree("50 or 62.5")                                                            |                                                                                                                                                                                                                                                                                                                                 |     |                         |
|                           | <b>localtree(val:IA5String)</b>                                                     |                                                                                                                                                                                                                                                                                                                                 |     |                         |
| 32                        | +post                                                                               |                                                                                                                                                                                                                                                                                                                                 |     |                         |
| 33                        | (TCV_Res := OO_ACMIncCHK(val))                                                      |                                                                                                                                                                                                                                                                                                                                 |     |                         |
| 34                        | [TCV_Res]                                                                           |                                                                                                                                                                                                                                                                                                                                 | (P) |                         |
| 35                        | [NOT TCV_Res]                                                                       |                                                                                                                                                                                                                                                                                                                                 | (F) |                         |
|                           | <b>start</b>                                                                        |                                                                                                                                                                                                                                                                                                                                 |     |                         |
| 36                        | +AttmpFullRateCall                                                                  |                                                                                                                                                                                                                                                                                                                                 |     |                         |
| 37                        | +BasicServiceMO(TSPX_MO_BscSvc_FRCall,<br>C_Full)                                   |                                                                                                                                                                                                                                                                                                                                 |     |                         |
| 38                        | L?DL_RaclnChRq (TCV_Rr := DL_RaclnChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaclnChRq.fn) | ChReq_17                                                                                                                                                                                                                                                                                                                        |     |                         |
| 39                        | ACTIVATE(OtherEventsFail_02)                                                        |                                                                                                                                                                                                                                                                                                                                 |     | To match ChReq retrans. |
| 40                        | L!DL_UdatRqImm                                                                      | ImmAss_01Def(TCV_<br>agch, TCV_Rr,<br>TCV_Fn, TCV_slot,<br>TCV_tsc,<br>TimingAdv_01)                                                                                                                                                                                                                                            |     |                         |
| 41                        | L?DL_EstInCmsRq                                                                     | CmserReq_01                                                                                                                                                                                                                                                                                                                     |     |                         |
| 42                        | ACTIVATE(OtherEventsFail)                                                           |                                                                                                                                                                                                                                                                                                                                 |     | Restore Normal default  |
| 43                        | L!DL_DatRqCmsAcp                                                                    | CmserAcp_01(TCV_c<br>h)                                                                                                                                                                                                                                                                                                         |     |                         |
| 44                        | +SetupRcvMo(SetupInd_01)                                                            |                                                                                                                                                                                                                                                                                                                                 |     |                         |
| 45                        | L!DL_DatRqCallProc                                                                  | CallProc(TCV_ch,<br>TCV_CallProc)                                                                                                                                                                                                                                                                                               |     |                         |
| 46                        | +AssCmdGenMO(C_Full)                                                                |                                                                                                                                                                                                                                                                                                                                 |     |                         |
| 47                        | +AssCh_complete(TCV_ch,TC<br>V_chTch,TCV_AssCmd)                                    |                                                                                                                                                                                                                                                                                                                                 |     |                         |
| 48                        | L!DL_DatRqAlert                                                                     | Alert_01(TCV_TI,<br>TCV_chTch)                                                                                                                                                                                                                                                                                                  |     |                         |
|                           | <b>post</b>                                                                         |                                                                                                                                                                                                                                                                                                                                 |     |                         |
| 49                        | ?TIMEOUT T_dly                                                                      |                                                                                                                                                                                                                                                                                                                                 |     |                         |
| 50                        | L!DL_DatRqDisc                                                                      | DiscSnd(TCV_chTch,<br>Disconn_07(TCV_TI))                                                                                                                                                                                                                                                                                       |     |                         |
| 51                        | L?DL_DatInRel                                                                       | ReleaseInd_02                                                                                                                                                                                                                                                                                                                   |     |                         |
| 52                        | L!DL_DatRqRelCmp                                                                    | RelCmpRq_05(TCV_<br>TI, TCV_chTch)                                                                                                                                                                                                                                                                                              |     |                         |
| 53                        | +PostMainLinkRel(TCV_chTch)                                                         |                                                                                                                                                                                                                                                                                                                                 |     |                         |
| <b>Detailed Comments:</b> |                                                                                     | <ol style="list-style-type: none"> <li>1. To read and note the value of ACM on SIM at the beginning of the test,</li> <li>2. To send Facility IE of ForwardChargeAdvice using definite form mixed with indefinite form.</li> <li>3. To check whether the increment of the value of ACM on SIM is the expected value.</li> </ol> |     |                         |

### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_31_6_1_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Group:</b>          | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purpose:</b>        | <p>1) To verify that when the MS receives certain AOCC e-parameters in a Facility IE which is contained in a FACILITY message sent after the CONNECT message and when a TCH has already been assigned, the MS returns a FACILITY message containing the acknowledgement within 1 second.</p> <p>2) To verify that when the MS receives the AOCC parameters in a Facility IE which is contained in a FACILITY message and when a TCH has already been assigned, the MS stores the correct value in the ACM field of the SIM.</p> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

| Nr | Label | Behaviour Description                                                                                                                                                        | CRef                             | V   | Comments |
|----|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----|----------|
| 1  |       | START T_guard(1800)                                                                                                                                                          |                                  |     |          |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                         |                                  |     |          |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                              |                                  |     |          |
| 4  |       | (TCV_Null := OO_ACMReading())                                                                                                                                                |                                  |     | 1.       |
| 5  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1) |                                  |     |          |
| 6  |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                 |                                  |     |          |
| 7  |       | +execution1                                                                                                                                                                  |                                  |     |          |
| 8  |       | +execution2                                                                                                                                                                  |                                  |     |          |
| 9  |       | +execution3                                                                                                                                                                  |                                  |     |          |
| 10 |       | +execution4                                                                                                                                                                  |                                  |     |          |
| 11 |       | +execution5                                                                                                                                                                  |                                  |     |          |
|    |       | <b>execution1</b>                                                                                                                                                            |                                  |     |          |
| 12 |       | +start                                                                                                                                                                       |                                  |     |          |
| 13 |       | L!DL_DatRqFac START T_dly(90000), START T_dly1(1000)                                                                                                                         | FacilityRq_08(TCV_chTch, TCV_TI) |     | 2.       |
| 14 |       | [NOT TSPX_WaitForFac]                                                                                                                                                        |                                  |     |          |
| 15 |       | LIDL_DatRqConnAck                                                                                                                                                            | ConnAck_01(TCV_chTch)            |     |          |
| 16 |       | L?DL_DatInFac CANCEL T_dly1                                                                                                                                                  | Facility_19(TI_01)               | (P) |          |
| 17 |       | +localtree1                                                                                                                                                                  |                                  |     |          |
| 18 |       | ?TIMEOUT T_dly1                                                                                                                                                              |                                  | (F) | 3.       |
| 19 |       | L?DL_DatInFac                                                                                                                                                                | Facility_19(TI_01)               |     |          |
| 20 |       | +localtree1                                                                                                                                                                  |                                  |     |          |
| 21 |       | [TSPX_WaitForFac]                                                                                                                                                            |                                  |     |          |
| 22 |       | L?DL_DatInFac CANCEL T_dly1                                                                                                                                                  | Facility_19(TI_01)               | (P) |          |
| 23 |       | LIDL_DatRqConnAck                                                                                                                                                            | ConnAck_01(TCV_chTch)            |     |          |
| 24 |       | +localtree1                                                                                                                                                                  |                                  |     |          |
| 25 |       | ?TIMEOUT T_dly1                                                                                                                                                              |                                  | (F) |          |
| 26 |       | L?DL_DatInFac                                                                                                                                                                | Facility_19(TI_01)               |     |          |
| 27 |       | LIDL_DatRqConnAck                                                                                                                                                            | ConnAck_01(TCV_chTch)            |     |          |
| 28 |       | +localtree1                                                                                                                                                                  |                                  |     |          |
| 29 |       | LIDL_DatRqConnAck                                                                                                                                                            | ConnAck_01(TCV_chTch)            |     |          |
| 30 |       | L?DL_DatInFac                                                                                                                                                                | Facility_19(TI_01)               |     |          |
| 31 |       | +localtree1                                                                                                                                                                  |                                  |     |          |
|    |       | <b>localtree1</b>                                                                                                                                                            |                                  |     |          |
| 32 |       | +post                                                                                                                                                                        |                                  |     |          |
| 33 |       | (TCV_Res := OO_ACMIncCHK("0"))                                                                                                                                               |                                  |     | 4.       |
| 34 |       | [TCV_Res]                                                                                                                                                                    |                                  | (P) |          |

|    |                                                      |                                  |     |
|----|------------------------------------------------------|----------------------------------|-----|
| 35 | [NOT TCV_Res]                                        |                                  | (F) |
|    | <b>execution2</b>                                    |                                  |     |
| 36 | +start                                               |                                  |     |
| 37 | L!DL_DatRqFac START T_dly(90000), START T_dly1(1000) | FacilityRq_09(TCV_chTch, TCV_TI) |     |
| 38 | [NOT TSPX_WaitForFac]                                |                                  |     |
| 39 | L!DL_DatRqConnAck                                    | ConnAck_01(TCV_chTch)            |     |
| 40 | L?DL_DatInFac CANCEL T_dly1                          | Facility_19(TI_01)               | (P) |
| 41 | +localtree2                                          |                                  |     |
| 42 | ?TIMEOUT T_dly1                                      |                                  | (F) |
| 43 | L?DL_DatInFac                                        | Facility_19(TI_01)               |     |
| 44 | +localtree2                                          |                                  |     |
| 45 | [TSPX_WaitForFac]                                    |                                  |     |
| 46 | L?DL_DatInFac CANCEL T_dly1                          | Facility_19(TI_01)               | (P) |
| 47 | L!DL_DatRqConnAck                                    | ConnAck_01(TCV_chTch)            |     |
| 48 | +localtree2                                          |                                  |     |
| 49 | ?TIMEOUT T_dly1                                      |                                  | (F) |
| 50 | L?DL_DatInFac                                        | Facility_19(TI_01)               |     |
| 51 | L!DL_DatRqConnAck                                    | ConnAck_01(TCV_chTch)            |     |
| 52 | +localtree2                                          |                                  |     |
| 53 | L!DL_DatRqConnAck                                    | ConnAck_01(TCV_chTch)            |     |
| 54 | L?DL_DatInFac                                        | Facility_19(TI_01)               |     |
| 55 | +localtree2                                          |                                  |     |
|    | <b>localtree2</b>                                    |                                  |     |
| 56 | +post                                                |                                  |     |
| 57 | (TCV_Res := OO_ACMIncCHK("100"))                     |                                  |     |
| 58 | [TCV_Res]                                            |                                  | (P) |
| 59 | [NOT TCV_Res]                                        |                                  | (F) |
|    | <b>execution3</b>                                    |                                  |     |
| 60 | +start                                               |                                  |     |
| 61 | L!DL_DatRqFac START T_dly(90000), START T_dly1(1000) | FacilityRq_10(TCV_chTch, TCV_TI) |     |
| 62 | [NOT TSPX_WaitForFac]                                |                                  |     |
| 63 | L!DL_DatRqConnAck                                    | ConnAck_01(TCV_chTch)            |     |
| 64 | L?DL_DatInFac CANCEL T_dly1                          | Facility_19(TI_01)               | (P) |
| 65 | +localtree3                                          |                                  |     |
| 66 | ?TIMEOUT T_dly1                                      |                                  | (F) |
| 67 | L?DL_DatInFac                                        | Facility_19(TI_01)               |     |
| 68 | +localtree3                                          |                                  |     |
| 69 | [TSPX_WaitForFac]                                    |                                  |     |
| 70 | L?DL_DatInFac CANCEL T_dly1                          | Facility_19(TI_01)               | (P) |
| 71 | L!DL_DatRqConnAck                                    | ConnAck_01(TCV_chTch)            |     |
| 72 | +localtree3                                          |                                  |     |
| 73 | ?TIMEOUT T_dly1                                      |                                  | (F) |
| 74 | L?DL_DatInFac                                        | Facility_19(TI_01)               |     |
| 75 | L!DL_DatRqConnAck                                    | ConnAck_01(TCV_chTch)            |     |
| 76 | +localtree3                                          |                                  |     |
| 77 | L!DL_DatRqConnAck                                    | ConnAck_01(TCV_chTch)            |     |
| 78 | L?DL_DatInFac                                        | Facility_19(TI_01)               |     |
| 79 | +localtree3                                          |                                  |     |
|    | <b>localtree3</b>                                    |                                  |     |
| 80 | +post                                                |                                  |     |
| 81 | (TCV_Res := OO_ACMIncCHK("43"))                      |                                  |     |
| 82 | [TCV_Res]                                            |                                  | (P) |



|     |                                                      |                                  |     |
|-----|------------------------------------------------------|----------------------------------|-----|
| 83  | [NOT TCV_Res]                                        |                                  | (F) |
|     | <b>execution4</b>                                    |                                  |     |
| 84  | +start                                               |                                  |     |
| 85  | L!DL_DatRqFac START T_dly(90000), START T_dly1(1000) | FacilityRq_11(TCV_chTch, TCV_TI) |     |
| 86  | [NOT TSPX_WaitForFac]                                |                                  |     |
| 87  | LIDL_DatRqConnAck                                    | ConnAck_01(TCV_chTch)            |     |
| 88  | L?DL_DatInFac CANCEL T_dly1                          | Facility_19(TI_01)               | (P) |
| 89  | +localtree4                                          |                                  |     |
| 90  | ?TIMEOUT T_dly1                                      |                                  | (F) |
| 91  | L?DL_DatInFac                                        | Facility_19(TI_01)               |     |
| 92  | +localtree4                                          |                                  |     |
| 93  | [TSPX_WaitForFac]                                    |                                  |     |
| 94  | L?DL_DatInFac CANCEL T_dly1                          | Facility_19(TI_01)               | (P) |
| 95  | LIDL_DatRqConnAck                                    | ConnAck_01(TCV_chTch)            |     |
| 96  | +localtree4                                          |                                  |     |
| 97  | ?TIMEOUT T_dly1                                      |                                  | (F) |
| 98  | L?DL_DatInFac                                        | Facility_19(TI_01)               |     |
| 99  | LIDL_DatRqConnAck                                    | ConnAck_01(TCV_chTch)            |     |
| 100 | +localtree4                                          |                                  |     |
| 101 | LIDL_DatRqConnAck                                    | ConnAck_01(TCV_chTch)            |     |
| 102 | L?DL_DatInFac                                        | Facility_19(TI_01)               |     |
| 103 | +localtree4                                          |                                  |     |
|     | <b>localtree4</b>                                    |                                  |     |
| 104 | +post                                                |                                  |     |
| 105 | (TCV_Res := OO_ACMIncCHK("89 or 90"))                |                                  |     |
| 106 | [TCV_Res]                                            |                                  | (P) |
| 107 | [NOT TCV_Res]                                        |                                  | (F) |
|     | <b>execution5</b>                                    |                                  |     |
| 108 | +start                                               |                                  |     |
| 109 | L!DL_DatRqFac START T_dly(90000), START T_dly1(1000) | FacilityRq_12(TCV_chTch, TCV_TI) |     |
| 110 | [NOT TSPX_WaitForFac]                                |                                  |     |
| 111 | LIDL_DatRqConnAck                                    | ConnAck_01(TCV_chTch)            |     |
| 112 | L?DL_DatInFac CANCEL T_dly1                          | Facility_19(TI_01)               | (P) |
| 113 | +localtree5                                          |                                  |     |
| 114 | ?TIMEOUT T_dly1                                      |                                  | (F) |
| 115 | L?DL_DatInFac                                        | Facility_19(TI_01)               |     |
| 116 | +localtree5                                          |                                  |     |
| 117 | [TSPX_WaitForFac]                                    |                                  |     |
| 118 | L?DL_DatInFac CANCEL T_dly1                          | Facility_19(TI_01)               | (P) |
| 119 | LIDL_DatRqConnAck                                    | ConnAck_01(TCV_chTch)            |     |
| 120 | +localtree5                                          |                                  |     |
| 121 | ?TIMEOUT T_dly1                                      |                                  | (F) |
| 122 | L?DL_DatInFac                                        | Facility_19(TI_01)               |     |
| 123 | LIDL_DatRqConnAck                                    | ConnAck_01(TCV_chTch)            |     |
| 124 | +localtree5                                          |                                  |     |
| 125 | LIDL_DatRqConnAck                                    | ConnAck_01(TCV_chTch)            |     |
| 126 | L?DL_DatInFac                                        | Facility_19(TI_01)               |     |
| 127 | +localtree5                                          |                                  |     |
|     | <b>localtree5</b>                                    |                                  |     |
| 128 | +post                                                |                                  |     |
| 129 | (TCV_Res := OO_ACMIncCHK("50 or 62.5"))              |                                  |     |
| 130 | [TCV_Res]                                            |                                  | (P) |

|                                                                                               |                                                                 |                                        |     |
|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------|-----|
| 131                                                                                           | [NOT TCV_Res]                                                   |                                        | (F) |
|                                                                                               | <b>start</b>                                                    |                                        |     |
| 132                                                                                           | +BasicServiceMT(TSPX_MTBscSvcA,TSPX_MTChRateA,TSPX_MT_ImmConnA) |                                        |     |
| 133                                                                                           | +PreEstRRConn(TCV_slot, TCV_tsc, TimingAdv_01)                  |                                        |     |
| 134                                                                                           | LIDL_DatRqSetup (TCV_TI.ti_f := '0'B, TCV_TI.ti_v := '000'B)    | SetupSnd(TCV_ch, TCV_Setup_mt)         |     |
| 135                                                                                           | +AssCmdGen2MT                                                   |                                        |     |
| 136                                                                                           | L?DL_DatInCallCo(TCV_CallCfm:=DL_DatInCallCo.msg)               | CallCfm_01                             |     |
| 137                                                                                           | +Adjust_gsmanddcs_powerlvl(0,3,TCV_AssCmd)                      |                                        |     |
| 138                                                                                           | +AssCh_complete(TCV_ch,TCV_chTch,TCV_AssCmd)                    |                                        |     |
| 139                                                                                           | L?DL_DatInAlert                                                 | AlertRcv_01                            |     |
| 140                                                                                           | (TCV_Null:=OO_HookOff())                                        |                                        |     |
| 141                                                                                           | L?DL_DatInConn                                                  | ConnRcv_01                             |     |
|                                                                                               | <b>post</b>                                                     |                                        |     |
| 142                                                                                           | ?TIMEOUT T_dly                                                  |                                        |     |
| 143                                                                                           | LIDL_DatRqDisc                                                  | DiscSnd(TCV_chTch, Disconn_07(TCV_TI)) |     |
| 144                                                                                           | L?DL_DatInRel                                                   | ReleaseInd_02                          |     |
| 145                                                                                           | LIDL_DatRqRelCmp                                                | RelCmpRq_05(TCV_TI, TCV_chTch)         |     |
| 146                                                                                           | +PostMainLinkRel(TCV_chTch)                                     |                                        |     |
| <b>Detailed Comments:</b>                                                                     |                                                                 |                                        |     |
| 1. To read and note the value of ACM on SIM at the beginning of the test,                     |                                                                 |                                        |     |
| 2. To send Facility IE of ForwardChargeAdvice using definite form mixed with indefinite form. |                                                                 |                                        |     |
| 3. The expected FACILITY message does not return within 1 second, fail.                       |                                                                 |                                        |     |
| 4. To check whether the increment of the value of ACM on SIM is 00.                           |                                                                 |                                        |     |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                         |        |                         |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|--------|-------------------------|
| <b>Test Case Name:</b>      |       | TC_31_6_1_5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |        |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                         |        |                         |
| <b>Purpose:</b>             |       | <p>1) To verify that when the MS receives new AOCC parameters mid-way through a call in a Facility IE which is contained within a FACILITY message the MS returns a FACILITY message containing the acknowledgement within 1 second.</p> <p>2) To verify that when the MS receives new charging information mid-way through a call in the form of a Facility IE contained within a FACILITY message the MS correctly indicates the total charge considering both sets of charging information</p> |                                                                         |        |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                         |        |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CRef                                                                    | V      | Comments                |
| 1                           |       | START T_guard(600)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                         |        |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         |        |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immss, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |        |                         |
| 4                           |       | (TCV_Null := OO_ACMReading())                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         | 1.     |                         |
| 5                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1)                                                                                                                                                                                                                                                                                                                      |                                                                         |        |                         |
| 6                           |       | +PreEnterIdleState_04(C_Immss, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                       |                                                                         |        |                         |
| 7                           |       | +AttmpFullRateCall                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                         |        |                         |
| 8                           |       | +BasicServiceMO(TSPX_MO_BscSvc_FRCall, C_Full)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |        |                         |
| 9                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                                                      | ChReq_17                                                                |        |                         |
| 10                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |        | To match ChReq retrans. |
| 11                          |       | L!DL_UdatRqImmss                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |        |                         |
| 12                          |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CmserReq_01                                                             |        |                         |
| 13                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                         |        | Restore Normal default  |
| 14                          |       | L!DL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CmserAcp_01(TCV_ch)                                                     |        |                         |
| 15                          |       | +SetupRcvMo(SetupInd_01)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |        |                         |
| 16                          |       | L!DL_DatRqCallProc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CallProc(TCV_ch, TCV_CallProc)                                          |        |                         |
| 17                          |       | +AssCmdGenMO(C_Full)                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         |        |                         |
| 18                          |       | +AssCh_complete(TCV_ch, TCV_chTch, TCV_AssCmd)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |        |                         |
| 19                          |       | L!DL_DatRqAlert                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Alert_01(TCV_TI, TCV_chTch)                                             |        |                         |
| 20                          |       | L!DL_DatRqConn                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Conn_01(TCV_TI, TCV_chTch)                                              |        |                         |
| 21                          |       | +continue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                         |        |                         |
| 22                          |       | <b>continue</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                         |        |                         |
| 23                          |       | [TSPX_WaitForConnACK]<br>L?DL_DatInConnAck                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ConnAckRcv_01(TCV_TI)                                                   |        |                         |
| 24                          |       | L!DL_DatRqFac START T_dly(80000), START T_dly1(1000)                                                                                                                                                                                                                                                                                                                                                                                                                                              | FacilityRq_13(TCV_chTch, TCV_TI)                                        | 2.     |                         |
| 25                          |       | L?DL_DatInFac CANCEL T_dly1                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Facility_19(TCV_TI)                                                     | (P) 3. |                         |
| 26                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                         |        |                         |
| 27                          |       | ?TIMEOUT T_dly1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                         | (F)    |                         |
| 28                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                         |        |                         |

|                           |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                          |     |    |
|---------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 29                        | [NOT TSPX_WaitForConnACK]                                |                                                                                                                                                                                                                                                                                                                                                                                                                          |     |    |
| 30                        | L!DL_DatRqFac START T_dly(80000), START<br>T_dly1(1000)  | FacilityRq_13(TCV_c<br>hTch, TCV_TI)                                                                                                                                                                                                                                                                                                                                                                                     |     |    |
| 31                        | +AOC_CHK_FAC(TCV_TI0)                                    |                                                                                                                                                                                                                                                                                                                                                                                                                          |     |    |
| 32                        | +localtree                                               |                                                                                                                                                                                                                                                                                                                                                                                                                          |     |    |
|                           | <b>localtree</b>                                         |                                                                                                                                                                                                                                                                                                                                                                                                                          |     |    |
| 33                        | ?TIMEOUT T_dly                                           |                                                                                                                                                                                                                                                                                                                                                                                                                          |     |    |
| 34                        | L!DL_DatRqFac START T_dly(100000), START<br>T_dly1(1000) | FacilityRq_14(TCV_c<br>hTch, TCV_TI)                                                                                                                                                                                                                                                                                                                                                                                     |     | 4. |
| 35                        | L?DL_DatInFac CANCEL T_dly1                              | Facility_19(TCV_TI0)                                                                                                                                                                                                                                                                                                                                                                                                     | (P) |    |
| 36                        | +post                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                          |     |    |
| 37                        | (TCV_Res := OO_ACMIncCHK("65"))                          |                                                                                                                                                                                                                                                                                                                                                                                                                          |     | 5. |
| 38                        | [TCV_Res]                                                |                                                                                                                                                                                                                                                                                                                                                                                                                          | (P) |    |
| 39                        | [NOT TCV_Res]                                            |                                                                                                                                                                                                                                                                                                                                                                                                                          | (F) |    |
| 40                        | ?TIMEOUT T_dly1                                          |                                                                                                                                                                                                                                                                                                                                                                                                                          | (F) |    |
| 41                        | L?DL_DatInFac                                            | Facility_19(TCV_TI0)                                                                                                                                                                                                                                                                                                                                                                                                     |     |    |
| 42                        | +post                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                          |     |    |
| 43                        | (TCV_Res := OO_ACMIncCHK("65"))                          |                                                                                                                                                                                                                                                                                                                                                                                                                          |     |    |
| 44                        | [TCV_Res]                                                |                                                                                                                                                                                                                                                                                                                                                                                                                          | (P) |    |
| 45                        | [NOT TCV_Res]                                            |                                                                                                                                                                                                                                                                                                                                                                                                                          | (F) |    |
|                           | <b>post</b>                                              |                                                                                                                                                                                                                                                                                                                                                                                                                          |     |    |
| 46                        | ?TIMEOUT T_dly                                           |                                                                                                                                                                                                                                                                                                                                                                                                                          |     |    |
| 47                        | L!DL_DatRqDisc                                           | DiscSnd(TCV_chTch,<br>Disconn_07(TCV_TI))                                                                                                                                                                                                                                                                                                                                                                                |     |    |
| 48                        | L?DL_DatInRel                                            | ReleaseInd_02                                                                                                                                                                                                                                                                                                                                                                                                            |     |    |
| 49                        | L!DL_DatRqRelCmp                                         | RelCmpRq_05(TCV_<br>TI, TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                       |     |    |
| 50                        | +PostMainLinkRel(TCV_chTch)                              |                                                                                                                                                                                                                                                                                                                                                                                                                          |     |    |
| <b>Detailed Comments:</b> |                                                          | <ol style="list-style-type: none"> <li>1. To read and note the value of ACM on SIM at the beginning of the test,</li> <li>2. To send Facility IE of ForwardChargeAdvice using definite form mixed with indefinite form.</li> <li>3. The expected FACILITY message returns within 1 second, PASS.</li> <li>4. To send second CAI.</li> <li>5. To check whether the increment of the value of ACM on SIM is 65.</li> </ol> |     |    |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                        |    |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----|----------|
| <b>Test Case Name:</b>      |       | TC_31_6_1_6                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |    |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                          |                                        |    |          |
| <b>Purpose:</b>             |       | 1) To verify that when the MS receives a Facility IE in which certain e-parameters are set to zero the total charge accumulated is the same as that when the same e-parameters are completely omitted from the Facility IE.<br><br>2) To verify the operation of a shortened channel release procedure where the SS does not send DISCONNECT but only the RELEASE COMPLETE and CHANNEL RELEASE messages or just the CHANNEL RELEASE message. |                                        |    |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                              |                                        |    |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                        | CRef                                   | V  | Comments |
| 1                           |       | START T_guard(1200)                                                                                                                                                                                                                                                                                                                                                                                                                          |                                        |    |          |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                         |                                        |    |          |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                              |                                        |    |          |
| 4                           |       | (TCV_Null := OO_ACMReading())                                                                                                                                                                                                                                                                                                                                                                                                                |                                        | 1. |          |
| 5                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1)                                                                                                                                                                                                                                                                 |                                        |    |          |
| 6                           |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                  |                                        |    |          |
| 7                           |       | +execution1                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |    |          |
| 8                           |       | +execution2                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |    |          |
| 9                           |       | +execution3                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |    |          |
|                             |       | <b>execution1</b>                                                                                                                                                                                                                                                                                                                                                                                                                            |                                        |    |          |
| 10                          |       | +start                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |    |          |
| 11                          |       | L!DL_DatRqFac START T_dly(90000)                                                                                                                                                                                                                                                                                                                                                                                                             | FacilityRq_15(TCV_chTch, TCV_TI)       | 2. |          |
| 12                          |       | +branch                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                        |    |          |
| 13                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        |    |          |
| 14                          |       | +localtree1                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |    |          |
|                             |       | <b>localtree1</b>                                                                                                                                                                                                                                                                                                                                                                                                                            |                                        |    |          |
| 15                          |       | L!DL_DatRqDisc                                                                                                                                                                                                                                                                                                                                                                                                                               | DiscSnd(TCV_chTch, Disconn_07(TCV_TI)) |    |          |
| 16                          |       | L?DL_DatInRel                                                                                                                                                                                                                                                                                                                                                                                                                                | ReleaseInd_02                          |    |          |
| 17                          |       | L!DL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                                                                                                                             | RelCmpRq_05(TCV_TI, TCV_chTch)         |    |          |
| 18                          |       | +localtree3                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |    |          |
|                             |       | <b>execution2</b>                                                                                                                                                                                                                                                                                                                                                                                                                            |                                        |    |          |
| 19                          |       | +start                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |    |          |
| 20                          |       | L!DL_DatRqFac START T_dly(90000)                                                                                                                                                                                                                                                                                                                                                                                                             | FacilityRq_16(TCV_chTch, TCV_TI)       |    |          |
| 21                          |       | +branch                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                        |    |          |
| 22                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        |    |          |
| 23                          |       | +localtree2                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |    |          |
|                             |       | <b>localtree2</b>                                                                                                                                                                                                                                                                                                                                                                                                                            |                                        |    |          |
| 24                          |       | L!DL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                                                                                                                             | RelCmpRq_05(TCV_TI, TCV_chTch)         |    |          |
| 25                          |       | +localtree3                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |    |          |
|                             |       | <b>execution3</b>                                                                                                                                                                                                                                                                                                                                                                                                                            |                                        |    |          |
| 26                          |       | +start                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |    |          |
| 27                          |       | L!DL_DatRqFac START T_dly(90000)                                                                                                                                                                                                                                                                                                                                                                                                             | FacilityRq_16(TCV_chTch, TCV_TI)       |    |          |
| 28                          |       | +branch                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                        |    |          |
| 29                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        |    |          |

|    |                                                                                  |                                                                                      |     |                         |
|----|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----|-------------------------|
| 30 | +localtree3                                                                      |                                                                                      |     |                         |
|    | <b>localtree3</b>                                                                |                                                                                      |     |                         |
| 31 | +PostMainLinkRel(TCV_chTch)                                                      |                                                                                      |     |                         |
| 32 | (TCV_Res := OO_ACMIncCHK("20"))                                                  |                                                                                      |     | 4.                      |
| 33 | [TCV_Res]                                                                        |                                                                                      | (P) |                         |
| 34 | [NOT TCV_Res]                                                                    |                                                                                      | (F) |                         |
|    | <b>branch</b>                                                                    |                                                                                      |     |                         |
| 35 | L?DL_DatInFac                                                                    | Facility_19(TCV_TI0)                                                                 | (P) | 3.                      |
| 36 | LIDL_DatRqConn                                                                   | Conn_01(TCV_TI,<br>TCV_chTch)                                                        |     |                         |
| 37 | L?DL_DatInConnAck                                                                | ConnAckRcv_01(TCV<br>_TI0)                                                           |     |                         |
| 38 | LIDL_DatRqConn                                                                   | Conn_01(TCV_TI,<br>TCV_chTch)                                                        |     |                         |
| 39 | L?DL_DatInFac                                                                    | Facility_19(TCV_TI0)                                                                 | (P) | 3.                      |
| 40 | L?DL_DatInConnAck                                                                | ConnAckRcv_01(TCV<br>_TI0)                                                           |     |                         |
| 41 | L?DL_DatInConnAck                                                                | ConnAckRcv_01(TCV<br>_TI0)                                                           |     |                         |
| 42 | L?DL_DatInFac                                                                    | Facility_19(TCV_TI0)                                                                 | (P) | 3.                      |
|    | <b>start</b>                                                                     |                                                                                      |     |                         |
| 43 | +AttmpFullRateCall                                                               |                                                                                      |     |                         |
| 44 | +BasicServiceMO(TSPX_MO_BscSvc_FRCall,<br>C_Full)                                |                                                                                      |     |                         |
| 45 | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn) | ChReq_17                                                                             |     |                         |
| 46 | ACTIVATE(OtherEventsFail_02)                                                     |                                                                                      |     | To match ChReq retrans. |
| 47 | LIDL_UdatRqImmss                                                                 | ImmAss_01Def(TCV_<br>agch, TCV_Rr,<br>TCV_Fn, TCV_slot,<br>TCV_tsc,<br>TimingAdv_01) |     |                         |
| 48 | L?DL_EstInCmsRq                                                                  | CmserReq_01                                                                          |     |                         |
| 49 | ACTIVATE(OtherEventsFail)                                                        |                                                                                      |     | Restore Normal default  |
| 50 | LIDL_DatRqCmsAcp                                                                 | CmserAcp_01(TCV_c<br>h)                                                              |     |                         |
| 51 | +SetupRcvMo(SetupInd_01)                                                         |                                                                                      |     |                         |
| 52 | LIDL_DatRqCallProc                                                               | CallProc(TCV_ch,<br>TCV_CallProc)                                                    |     |                         |
| 53 | +AssCmdGenMO(C_Full)                                                             |                                                                                      |     |                         |
| 54 | +AssCh_complete(TCV_ch,TC<br>V_chTch,TCV_AssCmd)                                 |                                                                                      |     |                         |
| 55 | LIDL_DatRqAlert                                                                  | Alert_01(TCV_TI,<br>TCV_chTch)                                                       |     |                         |

**Detailed Comments:**

1. To read and note the value of ACM on SIM at the beginning of the test,
2. To send Facility IE of ForwardChargeAdvice using definite form mixed with indefinite form.
3. The expected FACILITY message received, pass.
4. To check whether the increment of the value of ACM on SIM is 20.

## Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_31_6_1_7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Group:</b>          | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purpose:</b>        | <p>1) To verify that when the MS invokes a Call Hold call and hence receives Facility IEs containing AOCC e-parameters for each chargeable call the MS returns a FACILITY message containing the AOCC acknowledgement within 1 second of transmission of each set of e-parameters.</p> <p>2) To verify that when the MS invokes a Call Hold call and hence receives Facility IEs containing CAI elements for each chargeable call the CCM records the sum of all the charges for the services currently being used and hence that the ME inserts the correct charge in the ACM field of the SIM.</p> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

| Nr | Label | Behaviour Description                                                                                                                                                        | CRef                                                                    | V  | Comments                |
|----|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----|-------------------------|
| 1  |       | START T_guard(600)                                                                                                                                                           |                                                                         |    |                         |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                         |                                                                         |    |                         |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                              |                                                                         |    |                         |
| 4  |       | (TCV_Null := OO_ACMReading())                                                                                                                                                |                                                                         | 1. |                         |
| 5  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1) |                                                                         |    |                         |
| 6  |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSttDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                  |                                                                         |    |                         |
| 7  |       | +AttmpFullRateCall                                                                                                                                                           |                                                                         |    |                         |
| 8  |       | +BasicServiceMO(TSPX_MO_BscSvc_FRCall, C_Full)                                                                                                                               |                                                                         |    |                         |
| 9  |       | +continue                                                                                                                                                                    |                                                                         |    |                         |
|    |       | <b>continue</b>                                                                                                                                                              |                                                                         |    |                         |
| 10 |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                 | ChReq_17                                                                |    |                         |
| 11 |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                 |                                                                         |    | To match ChReq retrans. |
| 12 |       | LIDL_UdatRqImmass                                                                                                                                                            | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |    |                         |
| 13 |       | L?DL_EstInCmsRq                                                                                                                                                              | CmserReq_01                                                             |    |                         |
| 14 |       | ACTIVATE(OtherEventsFail)                                                                                                                                                    |                                                                         |    | Restore Normal default  |
| 15 |       | LIDL_DatRqCmsAcp                                                                                                                                                             | CmserAcp_01(TCV_ch)                                                     |    |                         |
| 16 |       | +SetupRcvMo(SetupInd_01)                                                                                                                                                     |                                                                         |    |                         |
| 17 |       | LIDL_DatRqCallProc                                                                                                                                                           | CallProc(TCV_ch, TCV_CallProc)                                          |    |                         |
| 18 |       | +AssCmdGenMO(C_Full)                                                                                                                                                         |                                                                         |    |                         |
| 19 |       | +AssCh_complete(TCV_ch, TCV_chTch, TCV_AssCmd)                                                                                                                               |                                                                         |    |                         |
| 20 |       | LIDL_DatRqAlert                                                                                                                                                              | Alert_01(TCV_TI, TCV_chTch)                                             |    |                         |
| 21 |       | LIDL_DatRqConn START T_dly(180000), START T_dly1(1000)                                                                                                                       | Conn_09(TCV_TI, TCV_chTch)                                              | 2. |                         |
| 22 |       | +AOC_CHK_FAC(TCV_TI0)                                                                                                                                                        |                                                                         |    |                         |
| 23 |       | +localtree                                                                                                                                                                   |                                                                         |    |                         |
|    |       | <b>localtree</b>                                                                                                                                                             |                                                                         |    |                         |
| 24 |       | (TCV_Null := OO_CallHold())                                                                                                                                                  |                                                                         |    |                         |
| 25 |       | L?DL_DatInHold                                                                                                                                                               | Hold_01(TCV_TI0)                                                        |    |                         |
| 26 |       | LIDL_DatRqHoldAck                                                                                                                                                            | HoldAck_01(TCV_TI, TCV_chTch)                                           |    |                         |
| 27 |       | +AttmpFullRateCall                                                                                                                                                           |                                                                         |    |                         |
| 28 |       | +BasicServiceMO(TSPX_MO_BscSvc_FRCall                                                                                                                                        |                                                                         |    |                         |

|                           |                                   |                                                                                                                                                                                                                                                                                                                                                                                                            |     |    |
|---------------------------|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 29                        | I, C_Full)                        |                                                                                                                                                                                                                                                                                                                                                                                                            |     |    |
| 30                        | +SetupRcvMo2(SetupInd_01)         |                                                                                                                                                                                                                                                                                                                                                                                                            |     |    |
| 31                        | L!DL_DatRqCallProc                | CallProc(TCV_chTch,<br>TCV_CallProc)                                                                                                                                                                                                                                                                                                                                                                       |     |    |
| 32                        | L!DL_DatRqAlert                   | Alert_01(TCV_TI2,<br>TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                            |     |    |
| 33                        | L!DL_DatRqConn START              | Conn_10(TCV_TI2,<br>TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                             |     | 3. |
| 34                        | T_dly2(90000), START T_dly1(1000) |                                                                                                                                                                                                                                                                                                                                                                                                            |     |    |
|                           | +AOC_CHK_FAC(TCV_TI1)             |                                                                                                                                                                                                                                                                                                                                                                                                            |     |    |
|                           | +localtree1                       |                                                                                                                                                                                                                                                                                                                                                                                                            |     |    |
|                           | <b>localtree1</b>                 |                                                                                                                                                                                                                                                                                                                                                                                                            |     |    |
| 35                        | ?TIMEOUT T_dly2                   |                                                                                                                                                                                                                                                                                                                                                                                                            |     |    |
| 36                        | +releasecall(TCV_TI2)             |                                                                                                                                                                                                                                                                                                                                                                                                            |     | 4. |
| 37                        | ?TIMEOUT T_dly1                   |                                                                                                                                                                                                                                                                                                                                                                                                            |     |    |
| 38                        | +releasecall(TCV_TI)              |                                                                                                                                                                                                                                                                                                                                                                                                            |     | 5. |
| 39                        | +releaselink                      |                                                                                                                                                                                                                                                                                                                                                                                                            |     |    |
| 40                        | ?TIMEOUT T_dly1                   |                                                                                                                                                                                                                                                                                                                                                                                                            |     |    |
| 41                        | +releasecall(TCV_TI)              |                                                                                                                                                                                                                                                                                                                                                                                                            |     | 5. |
| 42                        | ?TIMEOUT T_dly2                   |                                                                                                                                                                                                                                                                                                                                                                                                            |     |    |
| 43                        | +releasecall(TCV_TI2)             |                                                                                                                                                                                                                                                                                                                                                                                                            |     | 4. |
| 44                        | +releaselink                      |                                                                                                                                                                                                                                                                                                                                                                                                            |     |    |
|                           | <b>releasecall(ti:TI)</b>         |                                                                                                                                                                                                                                                                                                                                                                                                            |     |    |
| 45                        | L!DL_DatRqDisc                    | DiscSnd(TCV_chTch,<br>Disconn_07(ti))                                                                                                                                                                                                                                                                                                                                                                      |     |    |
| 46                        | L?DL_DatInRel                     | ReleaseInd_02                                                                                                                                                                                                                                                                                                                                                                                              |     |    |
| 47                        | L!DL_DatRqRelCmp                  | RelCmpRq_05(ti,<br>TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                              |     |    |
|                           | <b>releaselink</b>                |                                                                                                                                                                                                                                                                                                                                                                                                            |     |    |
| 48                        | +PostMainLinkRel(TCV_chTch)       |                                                                                                                                                                                                                                                                                                                                                                                                            |     |    |
| 49                        | (TCV_Res := OO_ACMIncCHK("54"))   |                                                                                                                                                                                                                                                                                                                                                                                                            |     | 6. |
| 50                        | [TCV_Res]                         |                                                                                                                                                                                                                                                                                                                                                                                                            | (P) |    |
| 51                        | [NOT TCV_Res]                     |                                                                                                                                                                                                                                                                                                                                                                                                            | (F) |    |
| <b>Detailed Comments:</b> |                                   | <ol style="list-style-type: none"> <li>1. To read and note the value of ACM on SIM at the beginning of the test,</li> <li>2. To send Facility IE of ForwardChargeAdvice using definite form mixed with indefinite form.</li> <li>3. To send second CAI.</li> <li>4. To release call C.</li> <li>5. To release call B.</li> <li>6. To check whether the increment of the ACM value on SIM is 54.</li> </ol> |     |    |



| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                         |    |                         |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_31_6_1_8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |    |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |    |                         |
| <b>Purpose:</b>             |       | <p>1) To verify that when the MS invokes a Multi-party call and hence receives Facility IEs containing AOCC e-parameters for each chargeable call the MS returns a FACILITY message containing the AOCC acknowledgement within 1 second of transmission of each set of e-parameters.</p> <p>2) To verify that when the MS originates a Multi-party call and hence receives Facility IEs containing CAI elements for each chargeable call the CCM records the sum of all the charges for the services currently being used and hence the ME inserts the correct charge in the ACM field of the SIM.</p> |                                                                         |    |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                         |    |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CRef                                                                    | V  | Comments                |
| 1                           |       | START T_guard(600)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |    |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                         |    |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                         |    |                         |
| 4                           |       | (TCV_Null := OO_ACMReading())                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         | 1. |                         |
| 5                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1)                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |    |                         |
| 6                           |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmStDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                         |    |                         |
| 7                           |       | +AttmpFullRateCall                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |    |                         |
| 8                           |       | +BasicServiceMO(TSPX_MO_BscSvc_FRCall, C_Full)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                         |    |                         |
| 9                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ChReq_17                                                                |    |                         |
| 10                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |    | To match ChReq retrans. |
| 11                          |       | L!DL_UdatRqImmass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |    |                         |
| 12                          |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CmserReq_01                                                             |    |                         |
| 13                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         |    | Restore Normal default  |
| 14                          |       | L!DL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CmserAcp_01(TCV_ch)                                                     |    |                         |
| 15                          |       | +SetupRcvMo(SetupInd_01)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                         |    |                         |
| 16                          |       | +continue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         |    |                         |
| 17                          |       | <b>continue</b><br>L!DL_DatRqCallProc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CallProc(TCV_ch, TCV_CallProc)                                          |    |                         |
| 18                          |       | +AssCmdGenMO(C_Full)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                         |    |                         |
| 19                          |       | +AssCh_complete(TCV_ch, TCV_chTch, TCV_AssCmd)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                         |    |                         |
| 20                          |       | L!DL_DatRqAlert                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Alert_01(TCV_TI, TCV_chTch)                                             |    |                         |
| 21                          |       | L!DL_DatRqConn START T_dly(180000), START T_dly1(1000)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Conn_11(TCV_TI, TCV_chTch)                                              | 2. |                         |
| 22                          |       | +AOC_CHK_FAC(TCV_TI0)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                         |    |                         |
| 23                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                         |    |                         |
| 24                          |       | <b>localtree</b><br>(TCV_Null := OO_CallHold())                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                         | 3. |                         |
| 25                          |       | L?DL_DatInHold                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Hold_01(TCV_TI0)                                                        |    |                         |
| 26                          |       | L!DL_DatRqHoldAck                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | HoldAck_01(TCV_TI, TCV_chTch)                                           |    |                         |
| 27                          |       | +AttmpFullRateCall                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         | 4. |                         |

|    |                                                                                                                                                                                                                                                                                               |                                               |     |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----|
| 28 | +BasicServiceMO(TSPX_MO_BscSvc_FRCall, C_Full)                                                                                                                                                                                                                                                |                                               |     |
| 29 | +SetupRcvMo2(SetupInd_01)                                                                                                                                                                                                                                                                     |                                               |     |
| 30 | LIDL_DatRqCallProc                                                                                                                                                                                                                                                                            | CallProc(TCV_ch, TCV_CallProc)                |     |
| 31 | LIDL_DatRqAlert                                                                                                                                                                                                                                                                               | Alert_01(TCV_TI2, TCV_chTch)                  |     |
| 32 | LIDL_DatRqConn START<br>T_dly2(90000), START T_dly1(1000)                                                                                                                                                                                                                                     | Conn_12(TCV_TI2, TCV_chTch)                   | 5.  |
| 33 | +AOC_CHK_FAC(TCV_TI1)                                                                                                                                                                                                                                                                         |                                               |     |
| 34 | +localtree1                                                                                                                                                                                                                                                                                   |                                               |     |
|    | <b>localtree1</b>                                                                                                                                                                                                                                                                             |                                               |     |
| 35 | (TCV_Null := OO_MptyCall())                                                                                                                                                                                                                                                                   |                                               | 6.  |
| 36 | L?DL_DatInFac (TCV_Comp :=<br>DL_DatInFac.msg.fie.components_1, TCV_n :=<br>OC_PosinSet(TCV_Comp, BldMptySS_01),<br>TCV_Invkld :=<br>OC_Asn1intToOct(TCV_Comp.[TCV_n].registerSS<br>Components.registerSS_InvokeComp.invokeID, 1),<br>TCV_TI3 := DL_DatInFac.msg.ti, TCV_TI3.ti_f :=<br>'1'B) | Facility_03(TCV_TI0,<br>TCV_TI1)              |     |
| 37 | LIDL_DatRqFac                                                                                                                                                                                                                                                                                 | FacilityRq_17(TCV_ch, TCV_TI3,<br>TCV_Invkld) |     |
| 38 | +localtree2                                                                                                                                                                                                                                                                                   |                                               |     |
|    | <b>localtree2</b>                                                                                                                                                                                                                                                                             |                                               |     |
| 39 | ?TIMEOUT T_dly2                                                                                                                                                                                                                                                                               |                                               |     |
| 40 | +releasecall(TCV_TI2)                                                                                                                                                                                                                                                                         |                                               |     |
| 41 | ?TIMEOUT T_dly1                                                                                                                                                                                                                                                                               |                                               |     |
| 42 | +releasecall(TCV_TI)                                                                                                                                                                                                                                                                          |                                               |     |
| 43 | +releaselink                                                                                                                                                                                                                                                                                  |                                               |     |
| 44 | ?TIMEOUT T_dly1                                                                                                                                                                                                                                                                               |                                               |     |
| 45 | +releasecall(TCV_TI)                                                                                                                                                                                                                                                                          |                                               |     |
| 46 | ?TIMEOUT T_dly2                                                                                                                                                                                                                                                                               |                                               |     |
| 47 | +releasecall(TCV_TI2)                                                                                                                                                                                                                                                                         |                                               |     |
| 48 | +releaselink                                                                                                                                                                                                                                                                                  |                                               |     |
|    | <b>releasecall(ti: TI)</b>                                                                                                                                                                                                                                                                    |                                               |     |
| 49 | LIDL_DatRqDisc                                                                                                                                                                                                                                                                                | DiscSnd(TCV_chTch,<br>Disconn_07(ti))         |     |
| 50 | L?DL_DatInRel                                                                                                                                                                                                                                                                                 | ReleaseInd_02                                 |     |
| 51 | LIDL_DatRqRelCmp                                                                                                                                                                                                                                                                              | RelCmpRq_05(ti,<br>TCV_chTch)                 |     |
|    | <b>releaselink</b>                                                                                                                                                                                                                                                                            |                                               |     |
| 52 | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                   |                                               |     |
| 53 | (TCV_Res := OO_ACMIncCHK("134"))                                                                                                                                                                                                                                                              |                                               | 7.  |
| 54 | [TCV_Res]                                                                                                                                                                                                                                                                                     |                                               | (P) |
| 55 | [NOT TCV_Res]                                                                                                                                                                                                                                                                                 |                                               | (F) |

**Detailed Comments:**

1. To read and note the value of ACM on SIM at the beginning of the test,
2. To send Facility IE of ForwardChargeAdvice using definite form mixed with indefinite form.
3. To hold the first call.
4. To make a second call.
5. To send CAI for the second call.
6. To build the multi party call.
7. To check whether the increment of the value of ACM on SIM is 134.

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                    |                                                                         |    |                         |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_31_6_2_1                                                                                                                                                                                                                                                                                        |                                                                         |    |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                |                                                                         |    |                         |
| <b>Purpose:</b>             |       | 1) To verify that when the SIM is removed from the ME during an active AOCC call the ME immediately terminates the call.<br><br>2) To verify that when the SIM is removed during an active AOCC call the ME has written the total charge up to that point in the call to the ACM field of the SIM. |                                                                         |    |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                    |                                                                         |    |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                              | CRef                                                                    | V  | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                 |                                                                         |    |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                               |                                                                         |    |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                    |                                                                         |    |                         |
| 4                           |       | (TCV_Null := OO_ACMReading())                                                                                                                                                                                                                                                                      |                                                                         | 1. |                         |
| 5                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1)                                                                                                                       |                                                                         |    |                         |
| 6                           |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                       |                                                                         |    |                         |
| 7                           |       | +AttmpFullRateCall                                                                                                                                                                                                                                                                                 |                                                                         |    |                         |
| 8                           |       | +BasicServiceMO(TSPX_MO_BscSvc_FRCall, C_Full)                                                                                                                                                                                                                                                     |                                                                         |    |                         |
| 9                           | body  | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                                                                                                                                                    | ChReq_17                                                                |    |                         |
| 10                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                       |                                                                         |    | To match ChReq retrans. |
| 11                          |       | LIDL_UdatRqImmass                                                                                                                                                                                                                                                                                  | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |    |                         |
| 12                          |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                    | CmserReq_01                                                             |    |                         |
| 13                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                          |                                                                         |    | Restore Normal default  |
| 14                          |       | LIDL_DatRqCmsAcp                                                                                                                                                                                                                                                                                   | CmserAcp_01(TCV_ch)                                                     |    |                         |
| 15                          |       | +SetupRcvMo(SetupInd_01)                                                                                                                                                                                                                                                                           |                                                                         |    |                         |
| 16                          |       | +continue                                                                                                                                                                                                                                                                                          |                                                                         |    |                         |
| 17                          |       | <b>continue</b><br>LIDL_DatRqCallProc                                                                                                                                                                                                                                                              | CallProc(TCV_ch, TCV_CallProc)                                          |    |                         |
| 18                          |       | +AssCmdGenMO(C_Full)                                                                                                                                                                                                                                                                               |                                                                         |    |                         |
| 19                          |       | +AssCh_complete(TCV_ch, TCV_chTch, TCV_AssCmd)                                                                                                                                                                                                                                                     |                                                                         |    |                         |
| 20                          |       | LIDL_DatRqAlert                                                                                                                                                                                                                                                                                    | Alert_01(TCV_TI, TCV_chTch)                                             |    |                         |
| 21                          |       | LIDL_DatRqConn START T_dly(90000), START T_dly1(1000)                                                                                                                                                                                                                                              | Conn_13(TCV_TI, TCV_chTch)                                              | 2. |                         |
| 22                          |       | +AOC_CHK_FAC(TCV_TI0)                                                                                                                                                                                                                                                                              |                                                                         |    |                         |
| 23                          |       | +localtree                                                                                                                                                                                                                                                                                         |                                                                         |    |                         |
| 24                          |       | <b>localtree</b><br>?TIMEOUT T_dly                                                                                                                                                                                                                                                                 |                                                                         |    |                         |
| 25                          |       | START T_dly(60000)                                                                                                                                                                                                                                                                                 |                                                                         |    |                         |
| 26                          |       | (TCV_Null := OO_SIMRmv())                                                                                                                                                                                                                                                                          |                                                                         | 3. |                         |
| 27                          |       | L?DL_DatInDisc                                                                                                                                                                                                                                                                                     | DiscRcv(TCV_chTch, Disconn_05(TCV_TI0))                                 |    |                         |
| 28                          |       | LIDL_DatRqRel                                                                                                                                                                                                                                                                                      | RelRq_02(TCV_TI, TCV_chTch)                                             |    |                         |

|    |                                 |                        |     |    |
|----|---------------------------------|------------------------|-----|----|
| 29 | L?DL_DatInRelCmp                | RelCmp_02(TCV_TI0<br>) | (P) |    |
| 30 | +PostMainLinkRel(TCV_chTch)     |                        |     |    |
| 31 | CANCEL T_dly                    |                        |     |    |
| 32 | +localtree1                     |                        |     |    |
| 33 | L?DL_DatInRelCmp                | RelCmp_02(TCV_TI0<br>) | (P) |    |
| 34 | +PostMainLinkRel(TCV_chTch)     |                        |     |    |
| 35 | CANCEL T_dly                    |                        |     |    |
| 36 | +localtree1                     |                        |     |    |
| 37 | L?DL_RelIn                      | DLRelInd_01            | (P) |    |
| 38 | CANCEL T_dly                    |                        |     |    |
| 39 | +localtree1                     |                        |     |    |
| 40 | ?TIMEOUT T_dly                  |                        | (F) |    |
| 41 | +PostMainLinkRel(TCV_chTch)     |                        |     |    |
| 42 | +localtree1                     |                        |     |    |
|    | <b>localtree1</b>               |                        |     |    |
| 43 | (TCV_Res := OO_ACMIncCHK("30")) |                        |     | 4. |
| 44 | [TCV_Res]                       |                        | (P) |    |
| 45 | [NOT TCV_Res]                   |                        | (F) |    |

**Detailed Comments:**

1. To read and note the value of ACM on SIM at the beginning of the test,
2. To send Facility IE of ForwardChargeAdvice using definite form mixed with indefinite form.
3. To remove the SIM without power off and 90 seconds after CAI sent.
4. To check whether the increment of the value of ACM on SIM is 30.

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                    |                                                                         |     |                         |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_31_6_2_2                                                                                                                                                                        |                                                                         |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/SS/                                                                                                                                                                |                                                                         |     |                         |
| <b>Purpose:</b>             |       | To verify that when the power supply of the MS is removed during an active AOCC call the ME has written the total charge up to that point in the call to the ACM field of the SIM. |                                                                         |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                    |                                                                         |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                              | CRef                                                                    | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                 |                                                                         |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                               |                                                                         |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                    |                                                                         |     |                         |
| 4                           |       | (TCV_Null := OO_ACMReading())                                                                                                                                                      |                                                                         | 1.  |                         |
| 5                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1)       |                                                                         |     |                         |
| 6                           |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                       |                                                                         |     |                         |
| 7                           |       | +execution1                                                                                                                                                                        |                                                                         |     |                         |
| 8                           |       | +execution2                                                                                                                                                                        |                                                                         |     |                         |
|                             |       | <b>execution1</b>                                                                                                                                                                  |                                                                         |     |                         |
| 9                           |       | +main                                                                                                                                                                              |                                                                         |     |                         |
| 10                          |       | (TCV_Null := OO_SwitchOff())                                                                                                                                                       |                                                                         | 3.  |                         |
| 11                          |       | (TCV_Res := OO_ACMIncCHK("30"))                                                                                                                                                    |                                                                         | 4.  |                         |
| 12                          |       | [TCV_Res]                                                                                                                                                                          |                                                                         | (P) |                         |
| 13                          |       | [NOT TCV_Res]                                                                                                                                                                      |                                                                         | (F) |                         |
|                             |       | <b>execution2</b>                                                                                                                                                                  |                                                                         |     |                         |
| 14                          |       | (TCV_Null := OO_SwitchOn())                                                                                                                                                        |                                                                         | 5.  |                         |
| 15                          |       | START T_dly(20000)                                                                                                                                                                 |                                                                         |     |                         |
| 16                          |       | ?TIMEOUT T_dly                                                                                                                                                                     |                                                                         |     |                         |
| 17                          |       | +main                                                                                                                                                                              |                                                                         |     |                         |
| 18                          |       | (TCV_Null := OO_PowerDown())                                                                                                                                                       |                                                                         | 6.  |                         |
| 19                          |       | (TCV_Res := OO_ACMIncCHK("30"))                                                                                                                                                    |                                                                         | 4.  |                         |
| 20                          |       | [TCV_Res]                                                                                                                                                                          |                                                                         | (P) |                         |
| 21                          |       | [NOT TCV_Res]                                                                                                                                                                      |                                                                         | (F) |                         |
|                             |       | <b>main</b>                                                                                                                                                                        |                                                                         |     |                         |
| 22                          |       | +AttmpFullRateCall                                                                                                                                                                 |                                                                         |     |                         |
| 23                          |       | +BasicServiceMO(TSPX_MO_BscSvc_FRCall, C_Full)                                                                                                                                     |                                                                         |     |                         |
| 24                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                       | ChReq_17                                                                |     |                         |
| 25                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                       |                                                                         |     | To match ChReq retrans. |
| 26                          |       | L!DL_UdatRqImmass                                                                                                                                                                  | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |     |                         |
| 27                          |       | L?DL_EstInCmsRq                                                                                                                                                                    | CmserReq_01                                                             |     |                         |
| 28                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                          |                                                                         |     | Restore Normal default  |
| 29                          |       | L!DL_DatRqCmsAcp                                                                                                                                                                   | CmserAcp_01(TCV_ch)                                                     |     |                         |
| 30                          |       | +SetupRcvMo(SetupInd_01)                                                                                                                                                           |                                                                         |     |                         |
| 31                          |       | +continue                                                                                                                                                                          |                                                                         |     |                         |
|                             |       | <b>continue</b>                                                                                                                                                                    |                                                                         |     |                         |
| 32                          |       | L!DL_DatRqCallProc                                                                                                                                                                 | CallProc(TCV_ch, TCV_CallProc)                                          |     |                         |
| 33                          |       | +AssCmdGenMO(C_Full)                                                                                                                                                               |                                                                         |     |                         |
| 34                          |       | +AssCh_complete(TCV_ch, TCV_chTch, TCV_Ass                                                                                                                                         |                                                                         |     |                         |

|                           |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                |    |
|---------------------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----|
| 35                        | Cmd)                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                |    |
|                           | L!DL_DatRqAlert                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Alert_01(TCV_TI,<br>TCV_chTch) |    |
| 36                        | L!DL_DatRqConn START T_dly(90000), |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Conn_13(TCV_TI,<br>TCV_chTch)  | 2. |
| 37                        | START T_dly1(1000)                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                |    |
| 37                        | +AOC_CHK_FAC(TCV_TI0)              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                |    |
| 38                        | ?TIMEOUT T_dly                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                |    |
| <b>Detailed Comments:</b> |                                    | <ol style="list-style-type: none"> <li>1. To read and note the value of ACM on SIM at the beginning of the test,</li> <li>2. To send Facility IE of ForwardChargeAdvice using definite form mixed with indefinite form.</li> <li>3. To switch off the MS 90 seconds after CAI sent.</li> <li>4. To check whether the increment of the value of ACM on SIM is 30.</li> <li>5. To switch on the MS and wait for the MS back to idle state.</li> <li>6. To remove battery pack 90 seconds after CAI sent.</li> </ol> |                                |    |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                             |                                                                         |     |                         |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_31_6_2_3                                                                                                                                                                                                                                                                                                 |                                                                         |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                         |                                                                         |     |                         |
| <b>Purpose:</b>             |       | To verify that when the MS goes out of radio coverage area and an active call is dropped the ME has written the total charge up to that point in the call to the ACM field of the SIM.                                                                                                                      |                                                                         |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                             |                                                                         |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                       | CRef                                                                    | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                          |                                                                         |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                        |                                                                         |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                             |                                                                         |     |                         |
| 4                           |       | (TCV_Null := OO_ACMReading())                                                                                                                                                                                                                                                                               |                                                                         | 1.  |                         |
| 5                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1)                                                                                                                                |                                                                         |     |                         |
| 6                           |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                 |                                                                         |     |                         |
| 7                           |       | +AttmpFullRateCall                                                                                                                                                                                                                                                                                          |                                                                         |     |                         |
| 8                           |       | +BasicServiceMO(TSPX_MO_BscSvc_FRCall, C_Full)                                                                                                                                                                                                                                                              |                                                                         |     |                         |
| 9                           |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                                                                                                                                                             | ChReq_17                                                                |     |                         |
| 10                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                |                                                                         |     | To match ChReq retrans. |
| 11                          |       | L!DL_UdatRqImmass                                                                                                                                                                                                                                                                                           | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |     |                         |
| 12                          |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                             | CmserReq_01                                                             |     |                         |
| 13                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                   |                                                                         |     | Restore Normal default  |
| 14                          |       | LIDL_DatRqCmsAcp                                                                                                                                                                                                                                                                                            | CmserAcp_01(TCV_ch)                                                     |     |                         |
| 15                          |       | +SetupRcvMo(SetupInd_01)                                                                                                                                                                                                                                                                                    |                                                                         |     |                         |
| 16                          |       | +continue                                                                                                                                                                                                                                                                                                   |                                                                         |     |                         |
|                             |       | <b>continue</b>                                                                                                                                                                                                                                                                                             |                                                                         |     |                         |
| 17                          |       | L!DL_DatRqCallProc                                                                                                                                                                                                                                                                                          | CallProc(TCV_ch, TCV_CallProc)                                          |     |                         |
| 18                          |       | +AssCmdGenMO(C_Full)                                                                                                                                                                                                                                                                                        |                                                                         |     |                         |
| 19                          |       | +AssCh_complete(TCV_ch, TCV_chTch, TCV_AssCmd)                                                                                                                                                                                                                                                              |                                                                         |     |                         |
| 20                          |       | LIDL_DatRqAlert                                                                                                                                                                                                                                                                                             | Alert_01(TCV_TI, TCV_chTch)                                             |     |                         |
| 21                          |       | LIDL_DatRqConn START T_dly(90000), START T_dly1(1000)                                                                                                                                                                                                                                                       | Conn_13(TCV_TI, TCV_chTch)                                              | 2.  |                         |
| 22                          |       | +AOC_CHK_FAC(TCV_TI0)                                                                                                                                                                                                                                                                                       |                                                                         |     |                         |
| 23                          |       | +localtree                                                                                                                                                                                                                                                                                                  |                                                                         |     |                         |
|                             |       | <b>localtree</b>                                                                                                                                                                                                                                                                                            |                                                                         |     |                         |
| 24                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                              |                                                                         |     |                         |
| 25                          |       | (TCV_Null := OM_StopCell(C_CellA))                                                                                                                                                                                                                                                                          |                                                                         | 3.  |                         |
| 26                          |       | (TCV_Res := OO_ACMIncCHK("30"))                                                                                                                                                                                                                                                                             |                                                                         | 4.  |                         |
| 27                          |       | [TCV_Res]                                                                                                                                                                                                                                                                                                   |                                                                         | (P) |                         |
| 28                          |       | [NOT TCV_Res]                                                                                                                                                                                                                                                                                               |                                                                         | (F) |                         |
| <b>Detailed Comments:</b>   |       | 1. To read and note the value of ACM on SIM at the beginning of the test,<br>2. To send Facility IE of ForwardChargeAdvice using definite form mixed with indefinite form.<br>3. To switch off the cell A 90 seconds after CAI sent.<br>4. To check whether the increment of the value of ACM on SIM is 30. |                                                                         |     |                         |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                         |   |                         |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|---|-------------------------|
| <b>Test Case Name:</b>      |       | TC_31_6_2_4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                         |   |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |   |                         |
| <b>Purpose:</b>             |       | <p>1) To verify that when the value stored in the ACM becomes equal to or exceeds its maximum value, the ACMM, any outgoing calls in progress for which a non-zero CAI exists are terminated by the ME, once the chargeable interval determined by the CAI has elapsed, with an appropriate indication given to the user.</p> <p>2) To verify that when the value stored in the ACM becomes equal to or exceeds its maximum limit,<br/>the ACMM, the making of non-emergency calls is inhibited</p> <p>3) To verify that when the value stored in the ACM becomes equal to or exceeds its maximum limit,<br/>the ACMM, the making of emergency calls is uninhibited</p> |                                                                         |   |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                         |   |                         |
| <b>Comments:</b>            |       | The ACM is reset to zero and the ACMmax is set to 2 units before starting the test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CRef                                                                    | V | Comments                |
| 1                           |       | START T_guard(600)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |   |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                         |   |                         |
| 4                           |       | (TCV_Null := OO_ACMReading())                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |   | 1.                      |
| 5                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   |                         |
| 6                           |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                         |   |                         |
| 7                           |       | +execution1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                         |   |                         |
| 8                           |       | +execution2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                         |   |                         |
| 9                           |       | +execution3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                         |   |                         |
|                             |       | <b>execution1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |   |                         |
| 10                          |       | +AttmpFullRateCall                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |   |                         |
| 11                          |       | +BasicServiceMO(TSPX_MO_BscSvc_FRCall, C_Full)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |   |                         |
| 12                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ChReq_17                                                                |   |                         |
| 13                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |   | To match ChReq retrans. |
| 14                          |       | L!DL_UdatRqImmass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |   |                         |
| 15                          |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CmserReq_01                                                             |   |                         |
| 16                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                         |   | Restore Normal default  |
| 17                          |       | L!DL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CmserAcp_01(TCV_ch)                                                     |   |                         |
| 18                          |       | +SetupRcvMo(SetupInd_01)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                         |   |                         |
| 19                          |       | +continue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                         |   |                         |
|                             |       | <b>continue</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                         |   |                         |
| 20                          |       | L!DL_DatRqCallProc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | CallProc(TCV_ch, TCV_CallProc)                                          |   |                         |
| 21                          |       | +AssCmdGenMO(C_Full)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |   |                         |
| 22                          |       | +AssCh_complete(TCV_ch, TCV_chTch, TCV_AssCmd)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |   |                         |
| 23                          |       | L!DL_DatRqAlert                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Alert_01(TCV_TI, TCV_chTch)                                             |   |                         |
| 24                          |       | L!DL_DatRqConn START T_dly1(1000), START T_dly(100000)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Conn_14(TCV_TI, TCV_chTch)                                              |   | 2.                      |
| 25                          |       | +AOC_CHK_FAC(TCV_TI0)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                         |   |                         |



|    |                                                                                  |                                                                                      |                               |
|----|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------|
| 26 | +localtree                                                                       |                                                                                      |                               |
|    | <b>localtree</b>                                                                 |                                                                                      |                               |
| 27 | L?DL_DatInDisc READTIMER T_dly(TCV_Time),<br>CANCEL T_dly                        | DiscRcv(TCV_chTch,<br>Disconn_05(TCV_TI0<br>)                                        | 3.                            |
| 28 | [(88000 <= TCV_Time) AND (TCV_Time <= 92000)]                                    |                                                                                      | (P) 4.                        |
| 29 | +localtree1                                                                      |                                                                                      |                               |
| 30 | [(88000 > TCV_Time) OR(TCV_Time > 92000)]                                        |                                                                                      | (F)                           |
| 31 | +localtree1                                                                      |                                                                                      |                               |
|    | <b>localtree1</b>                                                                |                                                                                      |                               |
| 32 | L!DL_DatRqRel                                                                    | RelRq_04(TCV_TI,<br>TCV_chTch)                                                       |                               |
| 33 | L?DL_DatInRelCmp                                                                 | RelCmp_02(TCV_TI0<br>)                                                               |                               |
| 34 | +PostMainLinkRel(TCV_chTch)                                                      |                                                                                      |                               |
| 35 | (TCV_Res := OO_ACMIIncCHK("2"))                                                  |                                                                                      | 5.                            |
| 36 | [TCV_Res]                                                                        |                                                                                      | (P)                           |
| 37 | [NOT TCV_Res]                                                                    |                                                                                      | (F)                           |
|    | <b>execution2</b>                                                                |                                                                                      |                               |
| 38 | +AttmpFullRateCall                                                               |                                                                                      |                               |
| 39 | +BasicServiceMO(TSPX_MO_BscSvc_FRCall,<br>C_Full)                                |                                                                                      |                               |
| 40 | START T_dly(5000)                                                                |                                                                                      |                               |
| 41 | ?TIMEOUT T_dly                                                                   |                                                                                      | (P)                           |
| 42 | L?DL_RaInChRq CANCEL T_dly                                                       | ChReq_02                                                                             | (F)                           |
|    | <b>execution3</b>                                                                |                                                                                      |                               |
| 43 | +AttmpEmgCall                                                                    |                                                                                      |                               |
| 44 | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn) | ChReq_18                                                                             |                               |
| 45 | ACTIVATE(OtherEventsFail_02)                                                     |                                                                                      |                               |
| 46 | L!DL_UdatRqImmass                                                                | ImmAss_01Def(TCV_<br>agch, TCV_Rr,<br>TCV_Fn, TCV_slot,<br>TCV_tsc,<br>TimingAdv_01) | 6.<br>To match ChReq retrans. |
| 47 | L?DL_EstInCmsRq                                                                  | CmserReq_01                                                                          |                               |
| 48 | ACTIVATE(OtherEventsFail)                                                        |                                                                                      | Restore Normal default        |
| 49 | L!DL_DatRqCmsAcp                                                                 | CmserAcp_01(TCV_c<br>h)                                                              |                               |
| 50 | +SetupRcvE(ESetup_04)                                                            |                                                                                      |                               |
| 51 | +continue1                                                                       |                                                                                      |                               |
|    | <b>continue1</b>                                                                 |                                                                                      |                               |
| 52 | L!DL_DatRqCallProc                                                               | CallProc(TCV_ch,<br>TCV_CallProc)                                                    |                               |
| 53 | +ltree_Asgn                                                                      |                                                                                      |                               |
| 54 | +AssCh_complete(TCV_ch,TCV_chTch,TCV_Ass<br>Cmd)                                 |                                                                                      |                               |
| 55 | L!DL_DatRqAlert                                                                  | Alert_01(TCV_TI,<br>TCV_chTch)                                                       |                               |
| 56 | L!DL_DatRqConn START T_dly1(1000),<br>START T_dly(120000)                        | Conn_15(TCV_TI,<br>TCV_chTch)                                                        | 7.                            |
| 57 | +AOC_CHK_FAC(TCV_TI0)                                                            |                                                                                      |                               |
| 58 | ?TIMEOUT T_dly                                                                   |                                                                                      | 9.                            |
| 59 | +TermCall                                                                        |                                                                                      |                               |
| 60 | +localtree2                                                                      |                                                                                      |                               |
|    | <b>localtree2</b>                                                                |                                                                                      |                               |
| 61 | L?DL_DatInDisc                                                                   | DiscRcv(TCV_chTch,<br>Disconn_05(TCV_TI0<br>)                                        | (P)                           |
| 62 | L!DL_DatRqRel                                                                    | RelRq_04(TCV_TI,<br>TCV_chTch)                                                       |                               |

|    |                                                     |                        |    |
|----|-----------------------------------------------------|------------------------|----|
| 63 | L?DL_DatInRelCmp                                    | RelCmp_02(TCV_TI0<br>) |    |
| 64 | +PostMainLinkRel(TCV_chTch)                         |                        |    |
| 65 | (TCV_Res := OO_ACMIncCHK("0"))                      |                        | 8. |
| 66 | [TCV_Res]                                           | (P)                    |    |
| 67 | [NOT TCV_Res]                                       | (F)                    |    |
|    | <b>Itree_Asgn</b>                                   |                        |    |
| 68 | [TSPC_PGSM OR TSPC_EGSM]                            |                        | 1. |
| 69 | (TCV_AssCmd := AsgnCmd_tchf(TCV_slot,<br>TCV_tsc))  |                        |    |
| 70 | [TSPC_DCS]                                          |                        | 2. |
| 71 | (TCV_AssCmd := AsgnCmd_dtchf(TCV_slot,<br>TCV_tsc)) |                        |    |

**Detailed Comments:**

1. To reset the ACM = 0 and set the ACMmax to 2.
2. To send Facility IE of ForwardChargeAdvice using definite form mixed with indefinite form.
3. The call is terminated when the ACM reaches the ACMmax (cause value #68).
4. The time duration is 90 +- 2 seconds, pass.
5. To check whether the ACM increment is 2.
6. To make an emergency call.
7. To send Facility IE of ForwardChargeAdvice using definite form mixed with indefinite form.
8. To check whether the value of ACM is still 2.
9. The time duration is 120 seconds.

### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_31_6_2_5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Group:</b>          | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Purpose:</b>        | <p>1) To verify that when the value stored in the ACM becomes equal to or exceeds its maximum value, the ACMM, any mobile terminating calls in progress for which a non-zero CAI exists are terminated by the ME, once the chargeable interval determined by the CAI has elapsed, with an appropriate indication given to the user.</p> <p>2) To verify that when the value stored in the ACM becomes equal to or exceeds its maximum value, the ACMM, and an incoming call is received for which subsequently a non-zero CAI is received, then the call is terminated by the ME with an appropriate indication given to the user.</p> <p>3) To verify that when the value stored in the ACM becomes equal to or exceeds its maximum limit,<br/>the ACMM, the receiving of calls for which the CAI is zero is uninhibited.</p> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

| Nr | Label | Behaviour Description                                                                                                                                                        | CRef                                  | V   | Comments |
|----|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----|----------|
| 1  |       | START T_guard(600)                                                                                                                                                           |                                       |     |          |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                         |                                       |     |          |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                              |                                       |     |          |
| 4  |       | (TCV_Null := OO_ACMReading())                                                                                                                                                |                                       |     | 1.       |
| 5  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1) |                                       |     |          |
| 6  |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmStDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                   |                                       |     |          |
| 7  |       | +execution1                                                                                                                                                                  |                                       |     |          |
| 8  |       | +execution2                                                                                                                                                                  |                                       |     |          |
| 9  |       | +execution3                                                                                                                                                                  |                                       |     |          |
|    |       | <b>execution1</b>                                                                                                                                                            |                                       |     |          |
| 10 |       | +init                                                                                                                                                                        |                                       |     |          |
| 11 |       | L!DL_DatRqFac START T_dly(100000)                                                                                                                                            | FacilityRq_18(TCV_chTch, TI_02)       |     | 2.       |
| 12 |       | L?DL_DatInFac                                                                                                                                                                | Facility_19(TI_01)                    | (P) |          |
| 13 |       | L?DL_DatInDisc READTIMER T_dly(TCV_Time), CANCEL T_dly                                                                                                                       | DiscRcv(TCV_chTch, Disconn_05(TI_01)) |     | 3.       |
| 14 |       | [(88000 <= TCV_Time) AND (TCV_Time <= 90002)]                                                                                                                                |                                       | (P) | 4.       |
| 15 |       | +localtree                                                                                                                                                                   |                                       |     |          |
| 16 |       | [(88000 > TCV_Time) OR (TCV_Time > 92000)]                                                                                                                                   |                                       | (F) | 4.       |
| 17 |       | +localtree                                                                                                                                                                   |                                       |     |          |
|    |       | <b>localtree</b>                                                                                                                                                             |                                       |     |          |
| 18 |       | L!DL_DatRqRel                                                                                                                                                                | RelRq_04(TI_02, TCV_chTch)            |     |          |
| 19 |       | L?DL_DatInRelCmp                                                                                                                                                             | RelCmp_02(TI_01)                      |     |          |
| 20 |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                  |                                       |     |          |
| 21 |       | (TCV_Res := OO_ACMIncCHK("2"))                                                                                                                                               |                                       |     | 5.       |
| 22 |       | [TCV_Res]                                                                                                                                                                    |                                       | (P) |          |
| 23 |       | [NOT TCV_Res]                                                                                                                                                                |                                       | (F) |          |
|    |       | <b>execution2</b>                                                                                                                                                            |                                       |     |          |
| 24 |       | +init                                                                                                                                                                        |                                       |     |          |
| 25 |       | L?DL_DatInFac                                                                                                                                                                | Facility_19(TI_01)                    | (P) |          |
| 26 |       | L?DL_DatInDisc                                                                                                                                                               | DiscRcv(TCV_chTch, Disconn_05(TI_01)) |     | 6.       |
| 27 |       | +localtree1                                                                                                                                                                  |                                       |     |          |
| 28 |       | L?DL_DatInDisc                                                                                                                                                               | DiscRcv(TCV_chTch,                    |     | 6.       |

|    |                                                     |                                          |     |                       |
|----|-----------------------------------------------------|------------------------------------------|-----|-----------------------|
| 29 | L?DL_DatInFac                                       | Disconn_05(TI_01)                        |     |                       |
| 30 | +localtree1                                         | Facility_19(TI_01)                       | (P) |                       |
| 31 | L?DL_DatInDisc                                      | DiscRcv(TCV_chTch,<br>Disconn_10(TI_01)) |     | 6., with ReturnResult |
| 32 | +localtree1                                         |                                          |     |                       |
|    | <b>localtree1</b>                                   |                                          |     |                       |
| 33 | L!DL_DatRqRel                                       | RelRq_04(TI_02,<br>TCV_chTch)            |     |                       |
| 34 | L?DL_DatInRelCmp                                    | RelCmp_09(TI_01)                         |     |                       |
| 35 | +PostMainLinkRel(TCV_chTch)                         |                                          |     |                       |
|    | <b>execution3</b>                                   |                                          |     |                       |
| 36 | +init                                               |                                          |     |                       |
| 37 | L!DL_DatRqFac START T_dly(120000)                   | FacilityRq_18(TCV_c<br>hTch, TI_02)      |     | 2., 7.                |
| 38 | L?DL_DatInFac                                       | Facility_19(TI_01)                       | (P) |                       |
| 39 | ?TIMEOUT T_dly                                      |                                          |     | 9.                    |
| 40 | +TermCall                                           |                                          |     |                       |
| 41 | L?DL_DatInDisc (TCV_Fn1 :=<br>DL_DatInDisc.fn)      | DiscRcv(TCV_chTch,<br>Disconn_05(TI_01)) |     | 3.                    |
| 42 | L!DL_DatRqRel                                       | RelRq_04(TI_02,<br>TCV_chTch)            |     |                       |
| 43 | L?DL_DatInRelCmp                                    | RelCmp_02(TI_01)                         |     |                       |
| 44 | +PostMainLinkRel(TCV_chTch)                         |                                          |     |                       |
| 45 | (TCV_Res :=<br>OO_ACMIncCHK("0"))                   |                                          |     | 8.                    |
| 46 | [TCV_Res]                                           |                                          | (P) |                       |
| 47 | [NOT TCV_Res]                                       |                                          | (F) |                       |
|    | <b>init</b>                                         |                                          |     |                       |
| 48 | +PreEstRRConn(TCV_slot, TCV_tsc, TimingAdv_01)      |                                          |     |                       |
| 49 | L!DL_DatRqSetup                                     | SetupRq_05(TCV_ch,<br>Setup_01)          |     |                       |
| 50 | L?DL_DatInCallCo                                    | CallCfm_01                               |     |                       |
| 51 | +ltree_Asgn                                         |                                          |     |                       |
| 52 | +AssCh_complete(TCV_ch,TCV_chTch,TCV<br>_AssCmd)    |                                          |     |                       |
| 53 | L?DL_DatInAlert                                     | AlertRcv_01                              |     |                       |
| 54 | (TCV_Null := OO_HookOff())                          |                                          |     |                       |
| 55 | L?DL_DatInConn                                      | ConnRcv_01                               |     |                       |
| 56 | L!DL_DatRqConnAck                                   | ConnAck_01(TCV_ch<br>Tch)                |     |                       |
|    | <b>ltree_Asgn</b>                                   |                                          |     |                       |
| 57 | [TSPC_PGSM OR TSPC_EGSM]                            |                                          |     | 1.                    |
| 58 | (TCV_AssCmd := AsgnCmd_tchf(TCV_slot,<br>TCV_tsc))  |                                          |     |                       |
| 59 | [TSPC_DCS]                                          |                                          |     | 2.                    |
| 60 | (TCV_AssCmd := AsgnCmd_dtchf(TCV_slot,<br>TCV_tsc)) |                                          |     |                       |

**Detailed Comments:**

1. To reset the ACM = 0 and set the ACMmax to 2.
2. To send Facility IE of ForwardChargeAdvice using definite form mixed with indefinite form.
3. The call is terminated when the ACM reaches the ACMmax.
4. To check whether the time duration is 90 +- 2 seconds.
5. To check whether the ACM increment is 2.
6. The call is unsuccessful.
7. To send Facility IE of ForwardChargeAdvice with zero CAI.
8. To check whether the value of ACM is still 2.
9. The time duration is 120 seconds.

### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_31_8_1_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Group:</b>          | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purpose:</b>        | <p>1) To check that the MS correctly requests a supplementary service transaction for registration of a password for all call restriction services in CHANNEL REQUEST message.</p> <p>2) To check that the MS correctly requests a supplementary service transaction for registration of a password for all call restriction services in the subsequent CM-SERVICE REQUEST.</p> <p>3) To check that the MS sends a REGISTER message containing the invoke of the RegisterPassword operation with the expected parameter values for registration of a password for all barring services.</p> <p>4) To check that upon receipt of the different FACILITY messages part of the procedure of registration of a password for all barring services, the MS provides the appropriate user indication (as described by the manufacturer).</p> <p>5) To check that the MS is able to send a password by sending a FACILITY message in accordance to the user request (MMI actions).</p> <p>6) To check that upon receipt of the result of the procedure, contained in RELEASE COMPLETE message, the MS provides the appropriate user indication (as described by the manufacturer).</p> <p>These checks are done for:<br/>all barring services, the result of the operation being sent in a RELEASE COMPLETE message</p> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

| Nr | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                       | CRef                                                                    | V  | Comments                |
|----|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----|-------------------------|
| 1  |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                          |                                                                         |    |                         |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                        |                                                                         |    |                         |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                             |                                                                         |    |                         |
| 4  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                                                                                                                                         |                                                                         |    |                         |
| 5  |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                    |                                                                         | 1. |                         |
| 6  |       | (TCV_Null := OO_InitSS("***03*330*1234*9876*9876#"))                                                                                                                                                                                                                                                                                        |                                                                         | 2. |                         |
| 7  |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                                                | ChReq_03                                                                |    |                         |
| 8  |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                |                                                                         |    | To match ChReq retrans. |
| 9  |       | LIDL_UdatRqImmass                                                                                                                                                                                                                                                                                                                           | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |    |                         |
| 10 |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                             | CmserReq_08                                                             |    |                         |
| 11 |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                   |                                                                         |    | Restore Normal default  |
| 12 |       | LIDL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                            | CmserAcp_01(TCV_ch)                                                     |    |                         |
| 13 |       | +continue                                                                                                                                                                                                                                                                                                                                   |                                                                         |    |                         |
| 14 |       | <b>continue</b><br>L?DL_DatInRegister ( TCV_TI := DL_DatInRegister.msg.ti, TCV_TI0 := TCV_TI, TCV_TI0.ti_f := '1'B, TCV_Comp := DL_DatInRegister.msg.fie.components_1, TCV_n := OC_PosinSet(TCV_Comp, RegPasswdSS_01), TCV_Invkld := OC_Asn1intToOct(TCV_Comp.[TCV_n].registerPasswordComponents.registerPassword_InvokeComp.invokedID, 1)) | Register_19                                                             |    |                         |
| 15 |       | LIDL_DatRqFac                                                                                                                                                                                                                                                                                                                               | FacilityRq_20(TCV_ch, TCV_TI, TCV_Invkld)                               |    |                         |
| 16 |       | (TCV_Res := OO_SSresultCHK(C_RegPswd))                                                                                                                                                                                                                                                                                                      |                                                                         |    |                         |

|                                                                    |                                        |                                           |     |    |
|--------------------------------------------------------------------|----------------------------------------|-------------------------------------------|-----|----|
| 17                                                                 | [TCV_Res]                              |                                           | (P) |    |
| 18                                                                 | +localtree                             |                                           |     |    |
| 19                                                                 | [NOT TCV_Res]                          |                                           | (F) |    |
| 20                                                                 | +localtree                             |                                           |     |    |
|                                                                    | <b>localtree</b>                       |                                           |     |    |
| 21                                                                 | (TCV_Null := OO_EnterPswd("1234"))     |                                           |     | 3. |
| 22                                                                 | L?DL_DatInFac                          | Facility_21(TCV_TI)                       |     |    |
| 23                                                                 | LIDL_DatRqFac                          | FacilityRq_21(TCV_ch, TCV_TI, TCV_Invkld) |     |    |
| 24                                                                 | +continue1                             |                                           |     |    |
|                                                                    | <b>continue1</b>                       |                                           |     |    |
| 25                                                                 | (TCV_Res := OO_SSresultCHK(C_RegPswd)) |                                           |     |    |
| 26                                                                 | [TCV_Res]                              |                                           | (P) |    |
| 27                                                                 | +localtree1                            |                                           |     |    |
| 28                                                                 | [NOT TCV_Res]                          |                                           | (F) |    |
| 29                                                                 | +localtree1                            |                                           |     |    |
|                                                                    | <b>localtree1</b>                      |                                           |     |    |
| 30                                                                 | (TCV_Null := OO_EnterPswd("9876"))     |                                           |     | 4. |
| 31                                                                 | L?DL_DatInFac                          | Facility_22(TCV_TI)                       |     |    |
| 32                                                                 | LIDL_DatRqFac                          | FacilityRq_22(TCV_ch, TCV_TI, TCV_Invkld) |     |    |
| 33                                                                 | +continue2                             |                                           |     |    |
|                                                                    | <b>continue2</b>                       |                                           |     |    |
| 34                                                                 | (TCV_Res := OO_SSresultCHK(C_RegPswd)) |                                           |     |    |
| 35                                                                 | [TCV_Res]                              |                                           | (P) |    |
| 36                                                                 | +localtree2                            |                                           |     |    |
| 37                                                                 | [NOT TCV_Res]                          |                                           | (F) |    |
| 38                                                                 | +localtree2                            |                                           |     |    |
|                                                                    | <b>localtree2</b>                      |                                           |     |    |
| 39                                                                 | (TCV_Null := OO_EnterPswd("9876"))     |                                           |     | 5. |
| 40                                                                 | L?DL_DatInFac                          | Facility_22(TCV_TI)                       |     |    |
| 41                                                                 | LIDL_DatRqRelCmp                       | RelCmpRq_21(TCV_ch, TCV_TI, TCV_Invkld)   |     |    |
| 42                                                                 | +PostMainLinkRel(TCV_ch)               |                                           |     |    |
| <b>Detailed Comments:</b>                                          |                                        |                                           |     |    |
| 1. To set up physical channel as BCCH, CCCH and SDCCH4.            |                                        |                                           |     |    |
| 2. To initiate the Registration of password supplementary service. |                                        |                                           |     |    |
| 3. To enter the password.                                          |                                        |                                           |     |    |
| 4. To enter the new password.                                      |                                        |                                           |     |    |
| 5. To enter the new password again.                                |                                        |                                           |     |    |

### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_31_8_1_2_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Group:</b>          | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purpose:</b>        | <p>1) To check that, when a call transaction is already established, the MS correctly requests the establishment of a parallel MM transaction for supplementary service transaction of registration of a password for all call restriction services, sending a CM-SERVICE REQUEST.</p> <p>2) To check that the MS sends a REGISTER message containing the invoke of the RegisterPassword operation with the expected parameter values for registration of a password for all call restriction services.</p> <p>3) To check that upon receipt of the RELEASE COMPLETE message related to the present SS transaction, the first transaction remains unaffected.</p> <p>4) To check that upon receipt of the RELEASE COMPLETE message, the MS provides the appropriate user indication (as described by the Manufacturer).</p> <p>Those checks are performed with a call transaction already established for:<br/>all call restriction services, the RELEASE COMPLETE message being sent at the beginning of the procedure with a facility IE containing a return_error(error) where error is "SS subscription violation".</p> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

| Nr | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                          | CRef                                        | V   | Comments |
|----|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----|----------|
| 1  |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                             |                                             |     |          |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                           |                                             |     |          |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                |                                             |     |          |
| 4  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef), TCV_cksn := TSPX_CKSNDf)                                                                                       |                                             |     |          |
| 5  |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                    |                                             | 1.  |          |
| 6  |       | +EstMsOrigFullRateCall(TimingAdv_01)                                                                                                                                                                                                                                                                                                           |                                             | 2.  |          |
| 7  |       | (TCV_Null := OO_InitSS("***03*330*1234*9876*9877#"))                                                                                                                                                                                                                                                                                           |                                             | 3.  |          |
| 8  |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                | CmserReq_08                                 |     |          |
| 9  |       | LIDL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                               | CmserAcp_01(TCV_chTch)                      |     |          |
| 10 |       | +localtree                                                                                                                                                                                                                                                                                                                                     |                                             |     |          |
| 11 |       | <b>localtree</b><br>L?DL_DatInRegister ( TCV_TI1 := DL_DatInRegister.msg.ti, TCV_TI2 := TCV_TI1, TCV_TI2.ti_f := '1'B, TCV_Comp := DL_DatInRegister.msg.fie.components_1, TCV_n := OC_PosinSet(TCV_Comp, RegPasswdSS_01), TCV_Invkld := OC_Asn1intToOct(TCV_Comp.[TCV_n].registerPasswordComponents.registerPassword_InvokeComp.invokedID, 1)) | Register_19                                 | (P) |          |
| 12 |       | LIDL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                               | RelCmpRq_22(TCV_chTch, TCV_TI2, TCV_Invkld) | 4.  |          |
| 13 |       | LIDL_DatRqCcstEnq                                                                                                                                                                                                                                                                                                                              | CCStEq_01(TCV_TI, TCV_chTch)                |     |          |
| 14 |       | L?DL_DatInCcst                                                                                                                                                                                                                                                                                                                                 | CCSt_14(TCV_TI0, C_U10)                     | (P) |          |
| 15 |       | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                    |                                             |     |          |

**Detailed Comments:**

1. To set up physical channels as BCCH, CCCH, SDCCH4 and full rate traffic channel.
2. To establish a mobile originating call, bring the MS into state U10.

3. To initiate RegisterPassword supplementary service.

4. To reject the RegisterPassword supplementary service invocation.



### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_31_8_1_2_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Group:</b>          | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purpose:</b>        | <p>1) To check that, when a call transaction is already established, the MS correctly requests the establishment of a parallel MM transaction for supplementary service transaction of registration of a password for all call restriction services, sending a CM-SERVICE REQUEST.</p> <p>2) To check that the MS sends a REGISTER message containing the invoke of the RegisterPassword operation with the expected parameter values for registration of a password for all call restriction services.</p> <p>3) To check that upon receipt of the RELEASE COMPLETE message related to the present SS transaction, the first transaction remains unaffected.</p> <p>4) To check that upon receipt of the RELEASE COMPLETE message, the MS provides the appropriate user indication (as described by the Manufacturer).</p> <p>Those checks are performed with a call transaction already established for :<br/> all call restriction services, the RELEASE COMPLETE message being sent at the end of the procedure with a facility IE containing a return_error(error) where error is "NegativePasswordCheck".</p> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

| Nr | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                         | CRef                                          | V   | Comments |
|----|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----|----------|
| 1  |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                            |                                               |     |          |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                          |                                               |     |          |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                               |                                               |     |          |
| 4  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef), TCV_cksn := TSPX_CKSNDDef)                                                                                    |                                               |     |          |
| 5  |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                   |                                               | 1.  |          |
| 6  |       | +EstMsOrigFullRateCall(TimingAdv_01)                                                                                                                                                                                                                                                                                                          |                                               | 2.  |          |
| 7  |       | (TCV_Null := OO_InitSS("***03*330*1111*9876*9876#"))                                                                                                                                                                                                                                                                                          |                                               | 3.  |          |
| 8  |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                               | CmsrReq_08                                    |     |          |
| 9  |       | L!DL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                              | CmsrAcp_01(TCV_chTch)                         |     |          |
| 10 |       | +continue                                                                                                                                                                                                                                                                                                                                     |                                               |     |          |
| 11 |       | <b>continue</b><br>L?DL_DatInRegister ( TCV_TI1 := DL_DatInRegister.msg.ti, TCV_TI2 := TCV_TI1, TCV_TI2.ti_f := '1'B, TCV_Comp := DL_DatInRegister.msg.fie.components_1, TCV_n := OC_PosinSet(TCV_Comp, RegPasswdSS_01), TCV_Invkld := OC_Asn1intToOct(TCV_Comp.[TCV_n].registerPasswordComponents.registerPassword_InvokeComp.invokedID, 1)) | Register_19                                   |     |          |
| 12 |       | L!DL_DatRqFac                                                                                                                                                                                                                                                                                                                                 | FacilityRq_20(TCV_chTch, TCV_TI2, TCV_Invkld) |     |          |
| 13 |       | (TCV_Res := OO_SSresultCHK(C_RegPswd))                                                                                                                                                                                                                                                                                                        |                                               |     |          |
| 14 |       | [TCV_Res]                                                                                                                                                                                                                                                                                                                                     |                                               | (P) |          |
| 15 |       | +localtree                                                                                                                                                                                                                                                                                                                                    |                                               |     |          |
| 16 |       | [NOT TCV_Res]                                                                                                                                                                                                                                                                                                                                 |                                               | (F) |          |
| 17 |       | +localtree                                                                                                                                                                                                                                                                                                                                    |                                               |     |          |
| 18 |       | <b>localtree</b><br>(TCV_Null := OO_EnterPswd("1234"))                                                                                                                                                                                                                                                                                        |                                               |     | 3.       |

|                                                                                     |                                        |                                               |     |    |
|-------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------------|-----|----|
| 19                                                                                  | L?DL_DatInFac                          | Facility_21(TCV_TI1)                          |     |    |
| 20                                                                                  | L!DL_DatRqFac                          | FacilityRq_21(TCV_chTch, TCV_TI2, TCV_Invkld) |     |    |
| 21                                                                                  | +continue1                             |                                               |     |    |
|                                                                                     | <b>continue1</b>                       |                                               |     |    |
| 22                                                                                  | (TCV_Res := OO_SSresultCHK(C_RegPswd)) |                                               |     |    |
| 23                                                                                  | [TCV_Res]                              |                                               | (P) |    |
| 24                                                                                  | +localtree1                            |                                               |     |    |
| 25                                                                                  | [NOT TCV_Res]                          |                                               | (F) |    |
| 26                                                                                  | +localtree1                            |                                               |     |    |
|                                                                                     | <b>localtree1</b>                      |                                               |     |    |
| 27                                                                                  | (TCV_Null := OO_EnterPswd("9876"))     |                                               |     | 4. |
| 28                                                                                  | L?DL_DatInFac                          | Facility_22(TCV_TI1)                          |     |    |
| 29                                                                                  | L!DL_DatRqFac                          | FacilityRq_22(TCV_chTch, TCV_TI2, TCV_Invkld) |     |    |
| 30                                                                                  | +continue2                             |                                               |     |    |
|                                                                                     | <b>continue2</b>                       |                                               |     |    |
| 31                                                                                  | (TCV_Res := OO_SSresultCHK(C_RegPswd)) |                                               |     |    |
| 32                                                                                  | [TCV_Res]                              |                                               | (P) |    |
| 33                                                                                  | +localtree2                            |                                               |     |    |
| 34                                                                                  | [NOT TCV_Res]                          |                                               | (F) |    |
| 35                                                                                  | +localtree2                            |                                               |     |    |
|                                                                                     | <b>localtree2</b>                      |                                               |     |    |
| 36                                                                                  | (TCV_Null := OO_EnterPswd("9876"))     |                                               |     | 4. |
| 37                                                                                  | L?DL_DatInFac                          | Facility_22(TCV_TI1)                          |     |    |
| 38                                                                                  | +localtree3                            |                                               |     |    |
|                                                                                     | <b>localtree3</b>                      |                                               |     |    |
| 39                                                                                  | L!DL_DatRqRelCmp                       | RelCmpRq_23(TCV_chTch, TCV_TI2, TCV_Invkld)   |     | 5. |
| 40                                                                                  | L!DL_DatRqCstEnq                       | CCStEq_01(TCV_TI, TCV_chTch)                  |     |    |
| 41                                                                                  | L?DL_DatInCst                          | CCSt_14(TCV_TI0, C_U10)                       | (P) |    |
| 42                                                                                  | +PostMainLinkRel(TCV_ch)               |                                               |     |    |
| <b>Detailed Comments:</b>                                                           |                                        |                                               |     |    |
| 1. To set up physical channels as BCCH, CCCH, SDCCH4 and full rate traffic channel. |                                        |                                               |     |    |
| 2. To establish a mobile originating call, bring the MS into state U10.             |                                        |                                               |     |    |
| 3. To initiate the Registration of password supplementary service.                  |                                        |                                               |     |    |
| 4. To enter the password.                                                           |                                        |                                               |     |    |
| 5. Negative password check, indefinite form.                                        |                                        |                                               |     |    |

**Test Case Dynamic Behaviour**

**Test Case Name:** TC\_31\_8\_1\_2\_3  
**Group:** GSM\_L3\_MS\_v4160/SS/  
**Purpose:** 1) To check that, when a call transaction is already established, the MS correctly requests the establishment of a parallel MM transaction for supplementary service transaction of registration of a password for all call restriction services, sending a CM-SERVICE REQUEST.  
 2) To check that the MS sends a REGISTER message containing the invoke of the RegisterPassword operation with the expected parameter values for registration of a password for all call restriction services.  
 3) To check that upon receipt of the RELEASE COMPLETE message related to the present SS transaction, the first transaction remains unaffected.  
 4) To check that upon receipt of the RELEASE COMPLETE message, the MS provides the appropriate user indication (as described by the Manufacturer).  
 Those checks are performed with a call transaction already established for :  
 all call restriction services, the RELEASE COMPLETE message being sent at the end of the procedure with a facility IE containing a return\_error(error) where error is "PasswordRegistrationFailure" with diagnostic "new password mismatch".  
**Default:** OtherEventsFail

| Nr | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                         | CRef                                          | V   | Comments |
|----|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----|----------|
| 1  |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                            |                                               |     |          |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                          |                                               |     |          |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                               |                                               |     |          |
| 4  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef), TCV_cksn := TSPX_CKSNDf)                                                                                      |                                               |     |          |
| 5  |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                   |                                               | 1.  |          |
| 6  |       | +EstMsOrigFullRateCall(TimingAdv_01)                                                                                                                                                                                                                                                                                                          |                                               | 2.  |          |
| 7  |       | (TCV_Null := OO_InitSS("***03*330*1234*9876*9877#"))                                                                                                                                                                                                                                                                                          |                                               | 3.  |          |
| 8  |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                               | CmserReq_08                                   |     |          |
| 9  |       | LIDL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                              | CmserAcp_01(TCV_chTch)                        |     |          |
| 10 |       | +continue                                                                                                                                                                                                                                                                                                                                     |                                               |     |          |
| 11 |       | <b>continue</b><br>L?DL_DatInRegister ( TCV_TI1 := DL_DatInRegister.msg.ti, TCV_TI2 := TCV_TI1, TCV_TI2.ti_f := '1'B, TCV_Comp := DL_DatInRegister.msg.fie.components_1, TCV_n := OC_PosinSet(TCV_Comp, RegPasswdSS_01), TCV_Invkld := OC_Asn1intToOct(TCV_Comp.[TCV_n].registerPasswordComponents.registerPassword_InvokeComp.invokedID, 1)) | Register_19                                   |     |          |
| 12 |       | LIDL_DatRqFac                                                                                                                                                                                                                                                                                                                                 | FacilityRq_20(TCV_chTch, TCV_TI2, TCV_Invkld) |     |          |
| 13 |       | (TCV_Res := OO_SSresultCHK(C_RegPswd))                                                                                                                                                                                                                                                                                                        |                                               |     |          |
| 14 |       | [TCV_Res]                                                                                                                                                                                                                                                                                                                                     |                                               | (P) |          |
| 15 |       | +localtree                                                                                                                                                                                                                                                                                                                                    |                                               |     |          |
| 16 |       | [NOT TCV_Res]                                                                                                                                                                                                                                                                                                                                 |                                               | (F) |          |
| 17 |       | +localtree                                                                                                                                                                                                                                                                                                                                    |                                               |     |          |
|    |       | <b>localtree</b>                                                                                                                                                                                                                                                                                                                              |                                               |     |          |

|                                                                                     |                                        |                                               |     |    |
|-------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------------|-----|----|
| 18                                                                                  | (TCV_Null := OO_EnterPswd("1234"))     |                                               |     | 4. |
| 19                                                                                  | L?DL_DatInFac                          | Facility_21(TCV_TI1)                          |     |    |
| 20                                                                                  | LIDL_DatRqFac                          | FacilityRq_21(TCV_chTch, TCV_TI2, TCV_Invkld) |     |    |
| 21                                                                                  | +continue1                             |                                               |     |    |
|                                                                                     | <b>continue1</b>                       |                                               |     |    |
| 22                                                                                  | (TCV_Res := OO_SSresultCHK(C_RegPswd)) |                                               |     |    |
| 23                                                                                  | [TCV_Res]                              |                                               | (P) |    |
| 24                                                                                  | +localtree1                            |                                               |     |    |
| 25                                                                                  | [NOT TCV_Res]                          |                                               | (F) |    |
| 26                                                                                  | +localtree1                            |                                               |     |    |
|                                                                                     | <b>localtree1</b>                      |                                               |     |    |
| 27                                                                                  | (TCV_Null := OO_EnterPswd("9876"))     |                                               |     | 5. |
| 28                                                                                  | L?DL_DatInFac                          | Facility_22(TCV_TI1)                          |     |    |
| 29                                                                                  | LIDL_DatRqFac                          | FacilityRq_22(TCV_chTch, TCV_TI2, TCV_Invkld) |     |    |
| 30                                                                                  | +continue2                             |                                               |     |    |
|                                                                                     | <b>continue2</b>                       |                                               |     |    |
| 31                                                                                  | (TCV_Res := OO_SSresultCHK(C_RegPswd)) |                                               |     |    |
| 32                                                                                  | [TCV_Res]                              |                                               | (P) |    |
| 33                                                                                  | +localtree2                            |                                               |     |    |
| 34                                                                                  | [NOT TCV_Res]                          |                                               | (F) |    |
| 35                                                                                  | +localtree2                            |                                               |     |    |
|                                                                                     | <b>localtree2</b>                      |                                               |     |    |
| 36                                                                                  | (TCV_Null := OO_EnterPswd("9877"))     |                                               |     | 6. |
| 37                                                                                  | L?DL_DatInFac                          | Facility_23(TCV_TI1)                          |     |    |
| 38                                                                                  | LIDL_DatRqRelCmp                       | RelCmpRq_24(TCV_chTch, TCV_TI2, TCV_Invkld)   |     | 7. |
| 39                                                                                  | LIDL_DatRqCcstEnq                      | CCStEq_01(TCV_TI, TCV_chTch)                  |     |    |
| 40                                                                                  | L?DL_DatInCcst                         | CCSt_14(TCV_TI0, C_U10)                       | (P) |    |
| 41                                                                                  | +PostMainLinkRel(TCV_ch)               |                                               |     |    |
| <b>Detailed Comments:</b>                                                           |                                        |                                               |     |    |
| 1. To set up physical channels as BCCH, CCCH, SDCCH4 and full rate traffic channel. |                                        |                                               |     |    |
| 2. To establish a mobile originating call, bring the MS into state U10.             |                                        |                                               |     |    |
| 3. To initiate the Registration of password supplementary service.                  |                                        |                                               |     |    |
| 4. To enter the password.                                                           |                                        |                                               |     |    |
| 5. To enter the new password.                                                       |                                        |                                               |     |    |
| 6. To enter a wrong new password again.                                             |                                        |                                               |     |    |
| 7. New password mismatch.                                                           |                                        |                                               |     |    |

### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_31_8_3_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Group:</b>          | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Purpose:</b>        | <p>1) To check that the MS correctly requests a supplementary service transaction for activation of a specific call restriction service in CHANNEL REQUEST message.</p> <p>2) To check that the MS correctly requests a supplementary service transaction for activation of call restriction service in the subsequent CM-SERVICE REQUEST.</p> <p>3) To check that the MS sends a REGISTER message containing the invoke of the ActivateSS operation with the expected parameter values for activation of a specific call restriction service.</p> <p>4) To check that upon receipt of FACILITY message requiring the password, the MS provides the appropriate user indication (as described by the manufacturer).</p> <p>5) To check that the MS is able to send a password by sending a FACILITY message in accordance to the user request (MMI actions).</p> <p>6) To check that upon receipt of the RELEASE COMPLETE message, the MS provides the appropriate user indication (which is to be described by the manufacturer).</p> <p>These checks are done for:</p> <p>a) BAOC, for basic service group "all synchronous services" the result of the operation being sent in a FACILITY message.</p> <p>b) BICRoam, for all basic service groups, the result of the operation being sent in a RELEASE COMPLETE message.</p> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

| Nr | Label | Behaviour Description                                                                                                                                                                                                                                                                                      | CRef                                                                    | V   | Comments                |
|----|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----|-------------------------|
| 1  |       | START T_guard(300)                                                                                                                                                                                                                                                                                         |                                                                         |     |                         |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                       |                                                                         |     |                         |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                            |                                                                         |     |                         |
| 4  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                                                                                                        |                                                                         |     |                         |
| 5  |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                   |                                                                         | 1.  |                         |
| 6  |       | (TCV_Null := OO_InitSS("**33**22#"))                                                                                                                                                                                                                                                                       |                                                                         | 2.  |                         |
| 7  |       | +part1                                                                                                                                                                                                                                                                                                     |                                                                         |     |                         |
| 8  |       | (TCV_Null := OO_InitSS("**351#"))                                                                                                                                                                                                                                                                          |                                                                         | 3.  |                         |
| 9  |       | +part2                                                                                                                                                                                                                                                                                                     |                                                                         |     |                         |
|    |       | <b>part1</b>                                                                                                                                                                                                                                                                                               |                                                                         |     |                         |
| 10 |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                               | ChReq_03                                                                | (P) |                         |
| 11 |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                               |                                                                         |     | To match ChReq retrans. |
| 12 |       | LIDL_UdatRqImmass                                                                                                                                                                                                                                                                                          | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |     |                         |
| 13 |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                            | CmserReq_08                                                             |     |                         |
| 14 |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                  |                                                                         |     | Restore Normal default  |
| 15 |       | LIDL_DatRqCmsAcp                                                                                                                                                                                                                                                                                           | CmserAcp_01(TCV_ch)                                                     |     |                         |
| 16 |       | +localtree                                                                                                                                                                                                                                                                                                 |                                                                         |     |                         |
|    |       | <b>localtree</b>                                                                                                                                                                                                                                                                                           |                                                                         |     |                         |
| 17 |       | L?DL_DatInRegister ( TCV_TI := DL_DatInRegister.msg.ti, TCV_Ti0 := TCV_TI, TCV_Ti0.ti_f := '1'B, TCV_Comp := DL_DatInRegister.msg.fie.components_1, TCV_n := OC_PosinSet(TCV_Comp, ActivateSS_03), TCV_Invkld := OC_Asn1intToOct(TCV_Comp.[TCV_n].activateSSComponents.activateSS_InvokeComp.invokeID, 1)) | Register_20                                                             | (P) |                         |

|                           |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                             |                         |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| 18                        | L!DL_DatRqFac                                                                                                                                                                                                                                                                                                                    | FacilityRq_20(TCV_ch, TCV_TI, TCV_Invkld)                                                                                                                                                                                   | 4.                      |
| 19                        | (TCV_Null := OO_EnterPswd("1234"))                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                             | 5.                      |
| 20                        | L?DL_DatInFac                                                                                                                                                                                                                                                                                                                    | Facility_21(TCV_TI0)                                                                                                                                                                                                        | (P)                     |
| 21                        | L!DL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                 | RelCmpRq_48(TCV_ch, TCV_TI, TCV_Invkld)                                                                                                                                                                                     |                         |
| 22                        | +Checktree(C_ActBOAC)                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                             |                         |
| 23                        | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                             |                         |
|                           | <b>part2</b>                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                             |                         |
| 24                        | L?DL_RaclnChRq (TCV_Rr := DL_RaclnChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaclnChRq.fn)                                                                                                                                                                                                                                              | ChReq_03                                                                                                                                                                                                                    | (P)                     |
| 25                        | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                             | To match ChReq retrans. |
| 26                        | L!DL_UdatRqImm                                                                                                                                                                                                                                                                                                                   | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01)                                                                                                                                                     |                         |
| 27                        | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                  | CmsReq_08                                                                                                                                                                                                                   |                         |
| 28                        | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                             | Restore Normal default  |
| 29                        | L!DL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                 | CmsReq_01(TCV_ch)                                                                                                                                                                                                           |                         |
| 30                        | +localtree1                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                             |                         |
|                           | <b>localtree1</b>                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                             |                         |
| 31                        | L?DL_DatInRegister ( TCV_TI :=<br>DL_DatInRegister.msg.ti, TCV_TI0 := TCV_TI,<br>TCV_TI0.ti_f := '1'B, TCV_Comp :=<br>DL_DatInRegister.msg.fie.components_1, TCV_n :=<br>OC_PosinSet(TCV_Comp, ActivateSS_04),<br>TCV_Invkld :=<br>OC_Asn1intToOct(TCV_Comp.[TCV_n].activateSSCo<br>mponents.activateSS_InvokeComp.invokeID, 1)) | Register_21                                                                                                                                                                                                                 | (P)                     |
| 32                        | L!DL_DatRqFac                                                                                                                                                                                                                                                                                                                    | FacilityRq_20(TCV_ch, TCV_TI, TCV_Invkld)                                                                                                                                                                                   | 4.                      |
| 33                        | +Checktree(C_RegPswd)                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                             |                         |
| 34                        | (TCV_Null := OO_EnterPswd("1234"))                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                             | 5.                      |
| 35                        | L?DL_DatInFac                                                                                                                                                                                                                                                                                                                    | Facility_21(TCV_TI0)                                                                                                                                                                                                        |                         |
| 36                        | L!DL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                 | RelCmpRq_25(TCV_ch, TCV_TI, TCV_Invkld)                                                                                                                                                                                     |                         |
| 37                        | +Checktree(C_ActBICRoam)                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                             |                         |
| 38                        | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                             |                         |
|                           | <b>Checktree(par:INTEGER)</b>                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                             |                         |
| 39                        | (TCV_Res := OO_SSresultCHK(par))                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                             | 6.                      |
| 40                        | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                             | (P)                     |
| 41                        | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                             |                         |
| 42                        | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                             | (F)                     |
| 43                        | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                             |                         |
| <b>Detailed Comments:</b> |                                                                                                                                                                                                                                                                                                                                  | 1. To setup physical channel as BCCH, CCCH and SDCCH4.<br>2. To initiate Activation for BAOC.<br>3. To initiate Activation for BICRoam.<br>4. To send GetPassword invocation to the MS.<br>5. To enter password at the MMI. |                         |

### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_31_8_3_2_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Group:</b>          | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Purpose:</b>        | <p>1) To check that, when a call transaction is already established, the MS correctly requests the establishment of a parallel MM transaction for supplementary service transaction of specific call barring service, sending a CM-SERVICE REQUEST.</p> <p>2) To check that the MS sends a REGISTER message containing the invoke of the ActivateSS operation with the expected parameter values for specific call barring service.</p> <p>3) To check that upon receipt of the RELEASE COMPLETE message related to the present SS transaction, the first transaction remains unaffected.</p> <p>4) To check that upon receipt of the RELEASE COMPLETE message, the MS provides the appropriate user indication (as described by the Manufacturer).</p> <p>Those checks are performed with a call transaction already established for :</p> <p style="padding-left: 20px;">BOIC, the RELEASE COMPLETE message being sent at the beginning of the procedure with a facility IE containing a return_error(error) where error is "SS subscription violation".</p> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

| Nr | Label | Behaviour Description                                                                                                                                                                                                                                                                                                            | CRef                                        | V   | Comments |
|----|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----|----------|
| 1  |       | START T_guard(300)                                                                                                                                                                                                                                                                                                               |                                             |     |          |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                             |                                             |     |          |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                  |                                             |     |          |
| 4  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef), TCV_cksn := TSPX_CKSNDf)                                                                         |                                             |     |          |
| 5  |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                     |                                             |     | 1.       |
| 6  |       | +EstMsOrigFullRateCall(TimingAdv_01)                                                                                                                                                                                                                                                                                             |                                             |     | 2.       |
| 7  |       | (TCV_Null := OO_InitSS("**331#"))                                                                                                                                                                                                                                                                                                |                                             |     | 3.       |
| 8  |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                  | CmserReq_08                                 |     |          |
| 9  |       | LIDL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                 | CmserAcp_01(TCV_chTch)                      |     |          |
| 10 |       | +localtree                                                                                                                                                                                                                                                                                                                       |                                             |     |          |
| 11 |       | <b>localtree</b><br>L?DL_DatInRegister ( TCV_TI1 := DL_DatInRegister.msg.ti, TCV_TI2 := TCV_TI1, TCV_TI2.ti.f := '1'B, TCV_Comp := DL_DatInRegister.msg.fie.components_1, TCV_n := OC_PosinSet(TCV_Comp, ActivateSS_05), TCV_Invkld := OC_Asn1intToOct(TCV_Comp.[TCV_n].activateSSComponents.activateSS_InvokeComp.invokeID, 1)) | Register_22                                 | (P) |          |
| 12 |       | L!DL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                 | RelCmpRq_26(TCV_chTch, TCV_TI2, TCV_Invkld) |     | 4.       |
| 13 |       | (TCV_Res := OO_SSresultCHK(C_ActBOIC))                                                                                                                                                                                                                                                                                           |                                             |     |          |
| 14 |       | [TCV_Res]                                                                                                                                                                                                                                                                                                                        |                                             | (P) | 5.       |
| 15 |       | +localtree1                                                                                                                                                                                                                                                                                                                      |                                             |     |          |
| 16 |       | [NOT TCV_Res]                                                                                                                                                                                                                                                                                                                    |                                             | (F) |          |
| 17 |       | +localtree1                                                                                                                                                                                                                                                                                                                      |                                             |     |          |
| 18 |       | <b>localtree1</b><br>L!DL_DatRqCstEnq                                                                                                                                                                                                                                                                                            | CCStEq_01(TCV_TI, TCV_chTch)                |     |          |
| 19 |       | L?DL_DatInCst                                                                                                                                                                                                                                                                                                                    | CCSt_14(TCV_TI0, C_U10)                     | (P) |          |

|                           |                             |                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 20                        | +PostMainLinkRel(TCV_chTch) |                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Detailed Comments:</b> |                             | <ol style="list-style-type: none"><li>1. To setup physical channels as BCCH, CCCH, SDCCH4 and full rate traffic channel.</li><li>2. To establish a mobile originating call to bring the MS into state U10.</li><li>3. To initiate the ActivateSS for BOIC.</li><li>4. To send ReturnError for the invocation of ActivateSS.</li><li>5. The user indication is correct, pass.</li></ol> |



### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_31_8_3_2_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Group:</b>          | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Purpose:</b>        | <p>1) To check that, when a call transaction is already established, the MS correctly requests the establishment of a parallel MM transaction for supplementary service transaction of activation of one specific call restriction service, sending a CM-SERVICE REQUEST.</p> <p>2) To check that the MS sends a REGISTER message containing the invoke of the ActivateSS operation with the expected parameter values for activation of one specific call restriction service.</p> <p>3) To check that upon receipt of the RELEASE COMPLETE message related to the present SS transaction, the first transaction remains unaffected.</p> <p>4) To check that upon receipt of the RELEASE COMPLETE message, the MS provides the appropriate user indication (as described by the Manufacturer).</p> <p>Those checks are performed with a call transaction already established for :<br/> BAIC, the RELEASE COMPLETE message being sent at the end of the procedure with a facility IE containing a return_error(error) where error is "NegativePasswordCheck".</p> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

| Nr | Label | Behaviour Description                                                                                                                                                                                                                                                                                                            | CRef                                          | V   | Comments |
|----|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----|----------|
| 1  |       | START T_guard(300)                                                                                                                                                                                                                                                                                                               |                                               |     |          |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                             |                                               |     |          |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                  |                                               |     |          |
| 4  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef), TCV_cksn := TSPX_CKSNDf)                                                                         |                                               |     |          |
| 5  |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                     |                                               |     | 1.       |
| 6  |       | +EstMsOrigFullRateCall(TimingAdv_01)                                                                                                                                                                                                                                                                                             |                                               |     | 2.       |
| 7  |       | (TCV_Null := OO_InitSS("**35#"))                                                                                                                                                                                                                                                                                                 |                                               |     | 3.       |
| 8  |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                  | CmserReq_08                                   | (P) |          |
| 9  |       | LIDL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                 | CmserAcp_01(TCV_chTch)                        |     |          |
| 10 |       | +localtree                                                                                                                                                                                                                                                                                                                       |                                               |     |          |
| 11 |       | <b>localtree</b><br>L?DL_DatInRegister ( TCV_TI1 := DL_DatInRegister.msg.ti, TCV_TI2 := TCV_TI1, TCV_TI2.ti.f := '1'B, TCV_Comp := DL_DatInRegister.msg.fie.components_1, TCV_n := OC_PosinSet(TCV_Comp, ActivateSS_06), TCV_Invkld := OC_Asn1intToOct(TCV_Comp.[TCV_n].activateSSComponents.activateSS_InvokeComp.invokeID, 1)) | Register_23                                   | (P) |          |
| 12 |       | L!DL_DatRqFac                                                                                                                                                                                                                                                                                                                    | FacilityRq_20(TCV_chTch, TCV_TI2, TCV_Invkld) |     |          |
| 13 |       | (TCV_Res := OO_SSresultCHK(C_RegPswd))                                                                                                                                                                                                                                                                                           |                                               |     |          |
| 14 |       | [TCV_Res]                                                                                                                                                                                                                                                                                                                        |                                               | (P) |          |
| 15 |       | +localtree1                                                                                                                                                                                                                                                                                                                      |                                               |     |          |
| 16 |       | [NOT TCV_Res]                                                                                                                                                                                                                                                                                                                    |                                               | (F) |          |
| 17 |       | +localtree1                                                                                                                                                                                                                                                                                                                      |                                               |     |          |
| 18 |       | <b>localtree1</b><br>(TCV_Null := OO_EnterPswd("1234"))                                                                                                                                                                                                                                                                          |                                               |     | 4.       |
| 19 |       | L?DL_DatInFac                                                                                                                                                                                                                                                                                                                    | Facility_21(TCV_TI1)                          |     |          |
| 20 |       | LIDL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                 | RelCmpRq_27(TCV_chTch, TCV_TI2,               |     | 5.       |

|                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                 |     |    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------|-----|----|
| 21                                                                                                                                                                                                                                                                                                                                                                                                                                  | (TCV_Res := OO_SSresultCHK(C_ActBAIC)) | TCV_InvkId)                     |     |    |
| 22                                                                                                                                                                                                                                                                                                                                                                                                                                  | [TCV_Res]                              |                                 | (P) | 6. |
| 23                                                                                                                                                                                                                                                                                                                                                                                                                                  | +localtree2                            |                                 |     |    |
| 24                                                                                                                                                                                                                                                                                                                                                                                                                                  | [NOT TCV_Res]                          |                                 | (F) |    |
| 25                                                                                                                                                                                                                                                                                                                                                                                                                                  | +localtree2                            |                                 |     |    |
| <b>localtree2</b>                                                                                                                                                                                                                                                                                                                                                                                                                   |                                        |                                 |     |    |
| 26                                                                                                                                                                                                                                                                                                                                                                                                                                  | L!DL_DatRqCcstEnq                      | CCStEq_01(TCV_TI,<br>TCV_chTch) |     |    |
| 27                                                                                                                                                                                                                                                                                                                                                                                                                                  | L?DL_DatInCcst                         | CCSt_14(TCV_TI0,<br>C_U10)      | (P) |    |
| 28                                                                                                                                                                                                                                                                                                                                                                                                                                  | +PostMainLinkRel(TCV_chTch)            |                                 |     |    |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                                           |                                        |                                 |     |    |
| <ol style="list-style-type: none"> <li>1. To setup physical channels as BCCH, CCCH, SDCCH4 and full rate traffic channel.</li> <li>2. To establish a mobile originating call, bring the MS into state U10.</li> <li>3. To initiate the Activation supplementary service.</li> <li>4. To enter password.</li> <li>5. ReturnError indication negative password checking.</li> <li>6. The user indication is correct, pass.</li> </ol> |                                        |                                 |     |    |

### Test Case Dynamic Behaviour

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|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_31_8_4_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Group:</b>          | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purpose:</b>        | <p>1) To check that the MS correctly requests a supplementary service transaction for deactivation of a group of call barring services in CHANNEL REQUEST message.</p> <p>2) To check that the MS correctly requests a supplementary service transaction for deactivation of a group of call barring services in the subsequent CM-SERVICE REQUEST.</p> <p>3) To check that the MS sends a REGISTER message containing the invoke of the DeactivateSS operation with the expected parameter values for deactivation of a group of call restriction services.</p> <p>4) To check that upon receipt of FACILITY message requiring the password, the MS provides the appropriate user indication (as described by the manufacturer).</p> <p>5) To check that the MS is able to send a password by sending a FACILITY message in accordance to the user request (MMI actions).</p> <p>6) To check that upon receipt of the RELEASE COMPLETE message, the MS provides the appropriate user indication (which is to be described by the manufacturer).</p> <p>These checks are done for:</p> <p>a) all restrictions, for basic service group "speech".</p> <p>b) barring of outgoing calls, for all facsimile.</p> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

| Nr | Label | Behaviour Description                                                                                                                                                                                                                                                                                             | CRef                                                                    | V   | Comments                |
|----|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----|-------------------------|
| 1  |       | START T_guard(300)                                                                                                                                                                                                                                                                                                |                                                                         |     |                         |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                              |                                                                         |     |                         |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                   |                                                                         |     |                         |
| 4  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                                                                                                               |                                                                         |     |                         |
| 5  |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                          |                                                                         | 1.  |                         |
| 6  |       | (TCV_Null := OO_InitSS("#330**11#"))                                                                                                                                                                                                                                                                              |                                                                         | 2.  |                         |
| 7  |       | +part1                                                                                                                                                                                                                                                                                                            |                                                                         |     |                         |
| 8  |       | (TCV_Null := OO_InitSS("#333**13#"))                                                                                                                                                                                                                                                                              |                                                                         | 3.  |                         |
| 9  |       | +part2                                                                                                                                                                                                                                                                                                            |                                                                         |     |                         |
|    |       | <b>part1</b>                                                                                                                                                                                                                                                                                                      |                                                                         |     |                         |
| 10 |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                      | ChReq_03                                                                | (P) |                         |
| 11 |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                      |                                                                         |     | To match ChReq retrans. |
| 12 |       | L!DL_UdatRqImmass                                                                                                                                                                                                                                                                                                 | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |     |                         |
| 13 |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                   | CmserReq_08                                                             | (P) |                         |
| 14 |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                         |                                                                         |     | Restore Normal default  |
| 15 |       | L!DL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                  | CmserAcp_01(TCV_ch)                                                     |     |                         |
| 16 |       | +localtree                                                                                                                                                                                                                                                                                                        |                                                                         |     |                         |
|    |       | <b>localtree</b>                                                                                                                                                                                                                                                                                                  |                                                                         |     |                         |
| 17 |       | L?DL_DatInRegister ( TCV_TI := DL_DatInRegister.msg.ti, TCV_TI0 := TCV_TI, TCV_TI0.ti_f := '1'B, TCV_Comp := DL_DatInRegister.msg.fie.components_1, TCV_n := OC_PosinSet(TCV_Comp, DeactivateSS_03), TCV_InvkId := OC_Asn1intToOct(TCV_Comp.[TCV_n].deactivateSS.Components.deactivateSS_InvokeComp.invokeID, 1)) | Register_24                                                             | (P) |                         |

|                                                        |                                                                                                                                                                                                                                                                                                                                        |                                                                         |                         |
|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------|
| 18                                                     | LIDL_DatRqFac                                                                                                                                                                                                                                                                                                                          | FacilityRq_20(TCV_ch, TCV_TI, TCV_Invkld)                               |                         |
| 19                                                     | (TCV_Res := OO_SSresultCHK(C_RegPswd))                                                                                                                                                                                                                                                                                                 |                                                                         |                         |
| 20                                                     | [TCV_Res]                                                                                                                                                                                                                                                                                                                              |                                                                         | (P)                     |
| 21                                                     | +localtree1                                                                                                                                                                                                                                                                                                                            |                                                                         |                         |
| 22                                                     | [NOT TCV_Res]                                                                                                                                                                                                                                                                                                                          |                                                                         | (F)                     |
| 23                                                     | +localtree1                                                                                                                                                                                                                                                                                                                            |                                                                         |                         |
|                                                        | <b>localtree1</b>                                                                                                                                                                                                                                                                                                                      |                                                                         |                         |
| 24                                                     | (TCV_Null := OO_EnterPswd("1234"))                                                                                                                                                                                                                                                                                                     |                                                                         | 4.                      |
| 25                                                     | L?DL_DatInFac                                                                                                                                                                                                                                                                                                                          | Facility_21(TCV_TI0)                                                    |                         |
| 26                                                     | LIDL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                       | RelCmpRq_49(TCV_ch, TCV_TI, TCV_Invkld)                                 |                         |
| 27                                                     | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                               |                                                                         |                         |
|                                                        | <b>part2</b>                                                                                                                                                                                                                                                                                                                           |                                                                         |                         |
| 28                                                     | L?DL_RaclnChRq (TCV_Rr := DL_RaclnChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaclnChRq.fn)                                                                                                                                                                                                                                                    | ChReq_03                                                                | (P)                     |
| 29                                                     | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                           |                                                                         | To match ChReq retrans. |
| 30                                                     | LIDL_UdatRqImmss                                                                                                                                                                                                                                                                                                                       | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |                         |
| 31                                                     | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                        | CmsReq_08                                                               | (P)                     |
| 32                                                     | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                              |                                                                         | Restore Normal default  |
| 33                                                     | LIDL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                       | CmsReq_01(TCV_ch)                                                       |                         |
| 34                                                     | +localtree2                                                                                                                                                                                                                                                                                                                            |                                                                         |                         |
|                                                        | <b>localtree2</b>                                                                                                                                                                                                                                                                                                                      |                                                                         |                         |
| 35                                                     | L?DL_DatInRegister ( TCV_TI :=<br>DL_DatInRegister.msg.ti, TCV_TI0 := TCV_TI,<br>TCV_TI0.ti.f := '1'B, TCV_Comp :=<br>DL_DatInRegister.msg.fie.components_1, TCV_n :=<br>OC_PosinSet(TCV_Comp, DeactivateSS_04),<br>TCV_Invkld :=<br>OC_Asn1intToOct(TCV_Comp.[TCV_n].deactivateSS<br>Components.deactivateSS_InvokeComp.invokeID, 1)) | Register_25                                                             | (P)                     |
| 36                                                     | LIDL_DatRqFac                                                                                                                                                                                                                                                                                                                          | FacilityRq_20(TCV_ch, TCV_TI, TCV_Invkld)                               |                         |
| 37                                                     | (TCV_Res := OO_SSresultCHK(C_RegPswd))                                                                                                                                                                                                                                                                                                 |                                                                         |                         |
| 38                                                     | [TCV_Res]                                                                                                                                                                                                                                                                                                                              |                                                                         | (P)                     |
| 39                                                     | +localtree3                                                                                                                                                                                                                                                                                                                            |                                                                         |                         |
| 40                                                     | [NOT TCV_Res]                                                                                                                                                                                                                                                                                                                          |                                                                         | (F)                     |
| 41                                                     | +localtree3                                                                                                                                                                                                                                                                                                                            |                                                                         |                         |
|                                                        | <b>localtree3</b>                                                                                                                                                                                                                                                                                                                      |                                                                         |                         |
| 42                                                     | (TCV_Null := OO_EnterPswd("1234"))                                                                                                                                                                                                                                                                                                     |                                                                         |                         |
| 43                                                     | L?DL_DatInFac                                                                                                                                                                                                                                                                                                                          | Facility_21(TCV_TI0)                                                    | (P)                     |
| 44                                                     | LIDL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                       | RelCmpRq_28(TCV_ch, TCV_TI, TCV_Invkld)                                 |                         |
| 45                                                     | (TCV_Res := OO_SSresultCHK(C_DeactBO))                                                                                                                                                                                                                                                                                                 |                                                                         |                         |
| 46                                                     | [TCV_Res]                                                                                                                                                                                                                                                                                                                              |                                                                         | (P)                     |
| 47                                                     | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                               |                                                                         |                         |
| 48                                                     | [NOT TCV_Res]                                                                                                                                                                                                                                                                                                                          |                                                                         | (F)                     |
| 49                                                     | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                               |                                                                         |                         |
| <b>Detailed Comments:</b>                              |                                                                                                                                                                                                                                                                                                                                        |                                                                         |                         |
| 1. To setup physical channel as BCCH, CCCH and SDCCH4. |                                                                                                                                                                                                                                                                                                                                        |                                                                         |                         |
| 2. To initiate Deactivation for B.                     |                                                                                                                                                                                                                                                                                                                                        |                                                                         |                         |
| 3. To initiate Deactivation for BO.                    |                                                                                                                                                                                                                                                                                                                                        |                                                                         |                         |
| 4. To send GetPassword invocation to the MS.           |                                                                                                                                                                                                                                                                                                                                        |                                                                         |                         |
| 5. To enter password at the MMI.                       |                                                                                                                                                                                                                                                                                                                                        |                                                                         |                         |

### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_31_8_4_2_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Group:</b>          | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purpose:</b>        | <p>1) To check that, when a call transaction is already established, the MS correctly requests the establishment of a parallel MM transaction for supplementary service transaction of a group of call barring services, sending a CM-SERVICE REQUEST.</p> <p>2) To check that the MS sends a REGISTER message containing the invoke of the DeactivateSS operation with the expected parameter values for a group of call barring services.</p> <p>3) To check that upon receipt of the RELEASE COMPLETE message related to the present SS transaction, the first transaction remains unaffected.</p> <p>4) To check that upon receipt of the RELEASE COMPLETE message, the MS provides the appropriate user indication (as described by the Manufacturer).</p> <p>These checks are performed with a call transaction already established for :<br/> BI, the RELEASE COMPLETE message being sent at the beginning of the procedure with a facility IE containing a return_error(error) where error is "SS subscription violation".</p> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

| Nr | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                   | CRef                                        | V   | Comments |
|----|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----|----------|
| 1  |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                      |                                             |     |          |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                    |                                             |     |          |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                         |                                             |     |          |
| 4  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef), TCV_cksn := TSPX_CKSNDf)                                                                                |                                             |     |          |
| 5  |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                            |                                             |     | 1.       |
| 6  |       | +EstMsOrigFullRateCall(TimingAdv_01)                                                                                                                                                                                                                                                                                                    |                                             |     | 2.       |
| 7  |       | (TCV_Null := OO_InitSS("#353#"))                                                                                                                                                                                                                                                                                                        |                                             |     | 3.       |
| 8  |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                         | CmserReq_08                                 |     |          |
| 9  |       | LIDL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                        | CmserAcp_01(TCV_chTch)                      |     |          |
| 10 |       | +localtree                                                                                                                                                                                                                                                                                                                              |                                             |     |          |
| 11 |       | <b>localtree</b><br>L?DL_DatInRegister ( TCV_TI1 := DL_DatInRegister.msg.ti, TCV_TI2 := TCV_TI1, TCV_TI2.ti_f := '1'B, TCV_Comp := DL_DatInRegister.msg.fie.components_1, TCV_n := OC_PosinSet(TCV_Comp, DeactivateSS_05), TCV_Invkld := OC_Asn1intToOct(TCV_Comp.[TCV_n].deactivateSS Components.deactivateSS_InvokeComp.invokeID, 1)) | Register_26                                 | (P) |          |
| 12 |       | L!DL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                        | RelCmpRq_29(TCV_chTch, TCV_TI2, TCV_Invkld) |     | 4.       |
| 13 |       | (TCV_Res := OO_SSresultCHK(C_DeactBI))                                                                                                                                                                                                                                                                                                  |                                             |     |          |
| 14 |       | [TCV_Res]                                                                                                                                                                                                                                                                                                                               |                                             | (P) | 5.       |
| 15 |       | +localtree1                                                                                                                                                                                                                                                                                                                             |                                             |     |          |
| 16 |       | [NOT TCV_Res]                                                                                                                                                                                                                                                                                                                           |                                             | (F) |          |
| 17 |       | +localtree1                                                                                                                                                                                                                                                                                                                             |                                             |     |          |
| 18 |       | <b>localtree1</b><br>L!DL_DatRqCcstEnq                                                                                                                                                                                                                                                                                                  | CCStEq_01(TCV_TI, TCV_chTch)                |     |          |
| 19 |       | L?DL_DatInCcst                                                                                                                                                                                                                                                                                                                          | CCSt_14(TCV_TI0,                            | (P) |          |

|                                                                                                                                                                                                                                                                                                                                                                                                                    |                             |        |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------|--|
| 20                                                                                                                                                                                                                                                                                                                                                                                                                 | +PostMainLinkRel(TCV_chTch) | C_U10) |  |
| <b>Detailed Comments:</b> <ol style="list-style-type: none"><li>1. To setup physical channels as BCCH, CCCH, SDCCH4 and full rate traffic channel.</li><li>2. To establish a mobile originating call to bring the MS into state U10.</li><li>3. To initiate the DeactivateSS for BI.</li><li>4. To send ReturnError for the invocation of DeactivateSS.</li><li>5. The user indication is correct, pass.</li></ol> |                             |        |  |

### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_31_8_4_2_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Group:</b>          | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purpose:</b>        | <p>1) To check that, when a call transaction is already established, the MS correctly requests the establishment of a parallel MM transaction for supplementary service transaction of deactivation of a group of call restriction services, sending a CM-SERVICE REQUEST.</p> <p>2) To check that the MS sends a REGISTER message containing the invoke of the DeactivateSS operation with the expected parameter values for deactivation of a group of call restriction service.</p> <p>3) To check that upon receipt of the RELEASE COMPLETE message related to the present SS transaction, the first transaction remains unaffected.</p> <p>4) To check that upon receipt of the RELEASE COMPLETE message, the MS provides the appropriate user indication (as described by the Manufacturer).</p> <p>Those checks are performed with a call transaction already established for :</p> <p style="padding-left: 20px;">BOICExHC, the RELEASE COMPLETE message being sent at the end of the procedure with a facility IE containing a return_error(error) where error is "NegativePasswordCheck".</p> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

| Nr | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                   | CRef                                          | V   | Comments |
|----|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----|----------|
| 1  |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                      |                                               |     |          |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                    |                                               |     |          |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                         |                                               |     |          |
| 4  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef), TCV_cksn := TSPX_CKSNDf)                                                                                |                                               |     |          |
| 5  |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                            |                                               |     | 1.       |
| 6  |       | +EstMsOrigFullRateCall(TimingAdv_01)                                                                                                                                                                                                                                                                                                    |                                               |     | 2.       |
| 7  |       | (TCV_Null := OO_InitSS("#332#"))                                                                                                                                                                                                                                                                                                        |                                               |     | 3.       |
| 8  |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                         | CmserReq_08                                   | (P) |          |
| 9  |       | LIDL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                        | CmserAcp_01(TCV_chTch)                        |     |          |
| 10 |       | +localtree                                                                                                                                                                                                                                                                                                                              |                                               |     |          |
| 11 |       | <b>localtree</b><br>L?DL_DatInRegister ( TCV_TI1 := DL_DatInRegister.msg.ti, TCV_TI2 := TCV_TI1, TCV_TI2.ti.f := '1'B, TCV_Comp := DL_DatInRegister.msg.fie.components_1, TCV_n := OC_PosinSet(TCV_Comp, DeactivateSS_06), TCV_Invkld := OC_Asn1intToOct(TCV_Comp.[TCV_n].deactivateSS Components.deactivateSS_InvokeComp.invokeID, 1)) | Register_27                                   | (P) |          |
| 12 |       | L!DL_DatRqFac                                                                                                                                                                                                                                                                                                                           | FacilityRq_20(TCV_chTch, TCV_TI2, TCV_Invkld) |     |          |
| 13 |       | (TCV_Res := OO_SSresultCHK(C_RegPswd))                                                                                                                                                                                                                                                                                                  |                                               |     |          |
| 14 |       | [TCV_Res]                                                                                                                                                                                                                                                                                                                               |                                               | (P) |          |
| 15 |       | +localtree1                                                                                                                                                                                                                                                                                                                             |                                               |     |          |
| 16 |       | [NOT TCV_Res]                                                                                                                                                                                                                                                                                                                           |                                               | (F) |          |
| 17 |       | +localtree1                                                                                                                                                                                                                                                                                                                             |                                               |     |          |
| 18 |       | <b>localtree1</b><br>(TCV_Null := OO_EnterPswd("1234"))                                                                                                                                                                                                                                                                                 |                                               |     | 4.       |
| 19 |       | L?DL_DatInFac                                                                                                                                                                                                                                                                                                                           | Facility_21(TCV_TI1)                          |     |          |
| 20 |       | LIDL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                        | RelCmpRq_31(TCV_chTch, TCV_TI2,               |     | 5.       |

|    |                                                 |                                 |     |    |
|----|-------------------------------------------------|---------------------------------|-----|----|
| 21 | (TCV_Res :=<br>OO_SSresultCHK(C_DeactBOICExHC)) | TCV_InvkId)                     |     |    |
| 22 | [TCV_Res]                                       |                                 | (P) | 6. |
| 23 | +localtree2                                     |                                 |     |    |
| 24 | [NOT TCV_Res]                                   |                                 | (F) |    |
| 25 | +localtree2                                     |                                 |     |    |
|    | <b>localtree2</b>                               |                                 |     |    |
| 26 | L!DL_DatRqCstEnq                                | CCStEq_01(TCV_TI,<br>TCV_chTch) |     |    |
| 27 | L?DL_DatInCst                                   | CCSt_14(TCV_TI0,<br>C_U10)      | (P) |    |
| 28 | +PostMainLinkRel(TCV_chTch)                     |                                 |     |    |

**Detailed Comments:**

1. To setup physical channels as BCCH, CCCH, SDCCH4 and full rate traffic channel.
2. To establish a mobile originating call, bring the MS into state U10.
3. To initiate the deactivation supplementary service.
4. To enter password.
5. ReturnError indication negative password checking.
6. The user indication is correct, pass.



### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_31_8_6_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Group:</b>          | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purpose:</b>        | <p>1) To check that the MS correctly requests a supplementary service transaction for interrogation of a specific call barring service in CHANNEL REQUEST message.</p> <p>2) To check that the MS correctly requests a supplementary service transaction for interrogation of a call barring service in the subsequent CM-SERVICE REQUEST.</p> <p>3) To check that the MS sends a REGISTER message containing the invoke of the InterrogateSS operation with the expected parameter values for interrogation of one call restriction service.</p> <p>4) To check that upon receipt of FACILITY message requiring the password, the MS provides the appropriate user indication (as described by the manufacturer).</p> <p>5) To check that the MS is able to send a password by sending a FACILITY message in accordance to the user request (MMI actions).</p> <p>6) To check that upon receipt of the RELEASE COMPLETE message, the MS provides the appropriate user indication (which is to be described by the manufacturer).</p> <p>These checks are done for :</p> <p>a) BAIC, the result of the operation being a Basic Service code sent in a FACILITY message.</p> <p>b) BOICExHC, the result of the operation being a SS-status sent in a RELEASE COMPLETE message.</p> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

| Nr | Label | Behaviour Description                                                                                                                                                                                                                                                                                         | CRef                                                                    | V   | Comments                |
|----|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----|-------------------------|
| 1  |       | START T_guard(300)                                                                                                                                                                                                                                                                                            |                                                                         |     |                         |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                          |                                                                         |     |                         |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                               |                                                                         |     |                         |
| 4  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                                                                                                           |                                                                         |     |                         |
| 5  |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                      |                                                                         | 1.  |                         |
| 6  |       | (TCV_Null := OO_InitSS("**#35#"))                                                                                                                                                                                                                                                                             |                                                                         | 2.  |                         |
| 7  |       | +part1                                                                                                                                                                                                                                                                                                        |                                                                         |     |                         |
| 8  |       | (TCV_Null := OO_InitSS("**#332#"))                                                                                                                                                                                                                                                                            |                                                                         | 3.  |                         |
| 9  |       | +part2                                                                                                                                                                                                                                                                                                        |                                                                         |     |                         |
|    |       | <b>part1</b>                                                                                                                                                                                                                                                                                                  |                                                                         |     |                         |
| 10 |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                  | ChReq_03                                                                | (P) |                         |
| 11 |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                  |                                                                         |     | To match ChReq retrans. |
| 12 |       | L!DL_UdatRqImmass                                                                                                                                                                                                                                                                                             | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |     |                         |
| 13 |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                               | CmserReq_08                                                             | (P) |                         |
| 14 |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                     |                                                                         |     | Restore Normal default  |
| 15 |       | L!DL_DatRqCmsAcp                                                                                                                                                                                                                                                                                              | CmserAcp_01(TCV_ch)                                                     |     |                         |
| 16 |       | +localtree                                                                                                                                                                                                                                                                                                    |                                                                         |     |                         |
|    |       | <b>localtree</b>                                                                                                                                                                                                                                                                                              |                                                                         |     |                         |
| 17 |       | L?DL_DatInRegister (TCV_TI := DL_DatInRegister.msg.ti, TCV_TI0 := TCV_TI, TCV_TI0.ti_f := '1'B, TCV_Comp := DL_DatInRegister.msg.fie.components_1, TCV_n := OC_PosinSet(TCV_Comp, InterrogateSS_07), TCV_Invkld := OC_Asn1intToOct(TCV_Comp.[TCV_n].interrogateSComponents.interrogateSS_InvokeComp.invokeld, | Register_30                                                             | (P) |                         |

|                           |                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                              |     |                         |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------|
| 18                        | 1))<br>LIDL_DatRqFac                                                                                                                                                                                                                                                                                                | FacilityRq_20(TCV_ch, TCV_TI, TCV_Invkld)                                                                                                                                                                                                                                                                    |     |                         |
| 19                        | (TCV_Res := OO_SSresultCHK(C_RegPswd))                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                              |     |                         |
| 20                        | [TCV_Res]                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                              | (P) |                         |
| 21                        | +localtree1                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                              |     |                         |
| 22                        | [NOT TCV_Res]                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                              | (F) |                         |
| 23                        | +localtree1                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                              |     |                         |
|                           | <b>localtree1</b>                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                              |     |                         |
| 24                        | (TCV_Null := OO_EnterPswd("1234"))                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                              |     | 4.                      |
| 25                        | L?DL_DatInFac                                                                                                                                                                                                                                                                                                       | Facility_21(TCV_TI0)                                                                                                                                                                                                                                                                                         |     |                         |
| 26                        | LIDL_DatRqRelCmp                                                                                                                                                                                                                                                                                                    | RelCmpRq_50(TCV_ch, TCV_TI, TCV_Invkld)                                                                                                                                                                                                                                                                      |     |                         |
| 27                        | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                              |     |                         |
|                           | <b>part2</b>                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                              |     |                         |
| 28                        | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                                                        | ChReq_03                                                                                                                                                                                                                                                                                                     | (P) |                         |
| 29                        | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                              |     | To match ChReq retrans. |
| 30                        | LIDL_UdatRqImmass                                                                                                                                                                                                                                                                                                   | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01)                                                                                                                                                                                                                                      |     |                         |
| 31                        | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                     | CmserReq_08                                                                                                                                                                                                                                                                                                  | (P) |                         |
| 32                        | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                              |     | Restore Normal default  |
| 33                        | LIDL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                    | CmserAcp_01(TCV_ch)                                                                                                                                                                                                                                                                                          |     |                         |
| 34                        | +localtree2                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                              |     |                         |
|                           | <b>localtree2</b>                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                              |     |                         |
| 35                        | L?DL_DatInRegister ( TCV_TI := DL_DatInRegister.msg.ti, TCV_TI0 := TCV_TI, TCV_TI0.ti_f := '1'B, TCV_Comp := DL_DatInRegister.msg.fie.components_1, TCV_n := OC_PosinSet(TCV_Comp, InterrogateSS_08), TCV_Invkld := OC_Asn1intToOct(TCV_Comp.[TCV_n].interrogateSSComponents.interrogateSS_InvokeComp.invokeld, 1)) | Register_31                                                                                                                                                                                                                                                                                                  | (P) |                         |
| 36                        | LIDL_DatRqFac                                                                                                                                                                                                                                                                                                       | FacilityRq_20(TCV_ch, TCV_TI, TCV_Invkld)                                                                                                                                                                                                                                                                    |     |                         |
| 37                        | (TCV_Res := OO_SSresultCHK(C_RegPswd))                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                              |     |                         |
| 38                        | [TCV_Res]                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                              | (P) |                         |
| 39                        | +localtree3                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                              |     |                         |
| 40                        | [NOT TCV_Res]                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                              | (F) |                         |
| 41                        | +localtree3                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                              |     |                         |
|                           | <b>localtree3</b>                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                              |     |                         |
| 42                        | (TCV_Null := OO_EnterPswd("1234"))                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                              |     |                         |
| 43                        | L?DL_DatInFac                                                                                                                                                                                                                                                                                                       | Facility_21(TCV_TI0)                                                                                                                                                                                                                                                                                         | (P) |                         |
| 44                        | LIDL_DatRqRelCmp                                                                                                                                                                                                                                                                                                    | RelCmpRq_34(TCV_ch, TCV_TI, TCV_Invkld)                                                                                                                                                                                                                                                                      |     |                         |
| 45                        | (TCV_Res := OO_SSresultCHK(C_InterrogBOICExHC))                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                              |     |                         |
| 46                        | [TCV_Res]                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                              | (P) |                         |
| 47                        | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                              |     |                         |
| 48                        | [NOT TCV_Res]                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                              | (F) |                         |
| 49                        | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                              |     |                         |
| <b>Detailed Comments:</b> |                                                                                                                                                                                                                                                                                                                     | <ol style="list-style-type: none"> <li>1. To setup physical channel as BCCH, CCCH and SDCCH4.</li> <li>2. To initiate Interrogation for BAIC.</li> <li>3. To initiate Interrogation for BOICExHC.</li> <li>4. To send GetPassword invocation to the MS.</li> <li>5. To enter password at the MMI.</li> </ol> |     |                         |



### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_31_8_6_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Group:</b>          | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purpose:</b>        | <p>1) To check that the MS correctly requests the establishment of a parallel MM transaction for supplementary service transaction of interrogation of a specific call barring service message, sending a CM-SERVICE REQUEST.</p> <p>2) To check that the MS sends a REGISTER message containing the invoke of the InterrogateSS operation with the expected parameter values for interrogation of call barring.</p> <p>3) To check that upon receipt of the RELEASE COMPLETE message related to the present SS transaction, the first transaction remains unaffected.</p> <p>4) To check that upon receipt of the RELEASE COMPLETE message, the MS provides the appropriate user indication (as described by the Manufacturer).</p> <p>These checks are performed with a call transaction already established for :</p> <p>a) BICRoam, the RELEASE COMPLETE message being sent with a facility IE containing a return_error(error) where error is "SS not available".</p> <p>b) BOIC, the RELEASE COMPLETE message being sent with a facility IE containing a reject(invoked_problem) where invoked_problem is "resource limitation".</p> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

| Nr | Label | Behaviour Description                                                                                                                                                                                                                                                                                                  | CRef                                        | V | Comments |
|----|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---|----------|
| 1  |       | START T_guard(300)                                                                                                                                                                                                                                                                                                     |                                             |   |          |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                   |                                             |   |          |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                        |                                             |   |          |
| 4  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef), TCV_cksN := TSPX_CKSNDDef)                                                             |                                             |   |          |
| 5  |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                           |                                             |   | 1.       |
| 6  |       | +EstMsOrigFullRateCall(TimingAdv_01)                                                                                                                                                                                                                                                                                   |                                             |   | 2.       |
| 7  |       | (TCV_Null := OO_InitSS("**#351#"))                                                                                                                                                                                                                                                                                     |                                             |   | 3.       |
| 8  |       | +part1                                                                                                                                                                                                                                                                                                                 |                                             |   |          |
| 9  |       | (TCV_Null := OO_InitSS("**#331#"))                                                                                                                                                                                                                                                                                     |                                             |   | 4.       |
| 10 |       | +part2                                                                                                                                                                                                                                                                                                                 |                                             |   |          |
|    |       | <b>part1</b>                                                                                                                                                                                                                                                                                                           |                                             |   |          |
| 11 |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                        | CmserReq_08                                 |   |          |
| 12 |       | LIDL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                       | CmserAcp_01(TCV_chTch)                      |   |          |
| 13 |       | +localtree                                                                                                                                                                                                                                                                                                             |                                             |   |          |
|    |       | <b>localtree</b>                                                                                                                                                                                                                                                                                                       |                                             |   |          |
| 14 |       | L?DL_DatInRegister ( TCV_TI1 := DL_DatInRegister.msg.ti, TCV_TI2 := TCV_TI1, TCV_TI2.ti_f := '1'B, TCV_Comp := DL_DatInRegister.msg.fie.components_1, TCV_n := OC_PosinSet(TCV_Comp, InterrogateSS_05), TCV_Invkld := OC_Asn1intToOct(TCV_Comp.[TCV_n].interrogateSSComponents.interrogateSS_InvokeComp.invokedID, 1)) | Register_28                                 |   |          |
| 15 |       | LIDL_DatRqRelCmp                                                                                                                                                                                                                                                                                                       | RelCmpRq_32(TCV_chTch, TCV_TI2, TCV_Invkld) |   |          |
| 16 |       | LIDL_DatRqCcstEnq                                                                                                                                                                                                                                                                                                      | CCStEq_01(TCV_TI, TCV_chTch)                |   |          |

|    |                                                                                                                                                                                                                                                                                                                                                |                                                    |     |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----|
| 17 | L?DL_DatInCcst                                                                                                                                                                                                                                                                                                                                 | CCSt_14(TCV_TI0,<br>C_U10)                         | (P) |
|    | <b>part2</b>                                                                                                                                                                                                                                                                                                                                   |                                                    |     |
| 18 | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                | CmserReq_08                                        |     |
| 19 | L!DL_DatRqCmsAcq                                                                                                                                                                                                                                                                                                                               | CmserAcq_01(TCV_c<br>hTch)                         |     |
| 20 | +localtree1                                                                                                                                                                                                                                                                                                                                    |                                                    |     |
|    | <b>localtree1</b>                                                                                                                                                                                                                                                                                                                              |                                                    |     |
| 21 | L?DL_DatInRegister ( TCV_TI1 :=<br>DL_DatInRegister.msg.ti, TCV_TI2 := TCV_TI1,<br>TCV_TI2.ti_f := '1'B, TCV_Comp :=<br>DL_DatInRegister.msg.fie.components_1, TCV_n :=<br>OC_PosinSet(TCV_Comp, InterrogateSS_06),<br>TCV_Invkld :=<br>OC_Asn1intToOct(TCV_Comp.[TCV_n].interrogateS<br>SComponents.interrogateSS_InvokeComp.invokeID,<br>1)) | Register_29                                        |     |
| 22 | L!DL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                               | RelCmpRq_33(TCV_<br>chTch, TCV_TI2,<br>TCV_Invkld) |     |
| 23 | (TCV_Res := OO_SSresultCHK(C_InterrogBOIC))                                                                                                                                                                                                                                                                                                    |                                                    |     |
| 24 | [TCV_Res]                                                                                                                                                                                                                                                                                                                                      |                                                    | (P) |
| 25 | L!DL_DatRqCcstEnq                                                                                                                                                                                                                                                                                                                              | CCStEq_01(TCV_TI,<br>TCV_chTch)                    |     |
| 26 | L?DL_DatInCcst                                                                                                                                                                                                                                                                                                                                 | CCSt_14(TCV_TI0,<br>C_U10)                         | (P) |
| 27 | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                    |                                                    |     |
| 28 | [NOT TCV_Res]                                                                                                                                                                                                                                                                                                                                  |                                                    | (F) |
| 29 | L!DL_DatRqCcstEnq                                                                                                                                                                                                                                                                                                                              | CCStEq_01(TCV_TI,<br>TCV_chTch)                    |     |
| 30 | L?DL_DatInCcst                                                                                                                                                                                                                                                                                                                                 | CCSt_14(TCV_TI0,<br>C_U10)                         | (P) |
| 31 | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                    |                                                    |     |

**Detailed Comments:**

1. To setup physical channels as BCCH, CCCH and SDCCH4 with default parameters and full rate traffic channel.
2. To establish a mobile originating call.
3. To initiate an interrogation for BICRoam.
4. To initiate an interrogation for BOIC.

| Test Case Dynamic Behaviour                              |       |                                                                                                                                                                              |                                                                         |     |                         |
|----------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>                                   |       | TC_31_8_7                                                                                                                                                                    |                                                                         |     |                         |
| <b>Group:</b>                                            |       | GSM_L3_MS_v4160/SS/                                                                                                                                                          |                                                                         |     |                         |
| <b>Purpose:</b>                                          |       | To check that upon receipt of the RELEASE COMPLETE message the MS provides the appropriate user indication (as described by the manufacturer).                               |                                                                         |     |                         |
| <b>Default:</b>                                          |       | OtherEventsFail                                                                                                                                                              |                                                                         |     |                         |
| This is tested in the case of barring of incoming calls. |       |                                                                                                                                                                              |                                                                         |     |                         |
| Nr                                                       | Label | Behaviour Description                                                                                                                                                        | CRef                                                                    | V   | Comments                |
| 1                                                        |       | START T_guard(300)                                                                                                                                                           |                                                                         |     |                         |
| 2                                                        |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                         |                                                                         |     |                         |
| 3                                                        |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                              |                                                                         |     |                         |
| 4                                                        |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1) |                                                                         |     |                         |
| 5                                                        |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlTDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                  |                                                                         |     |                         |
| 6                                                        |       | +AttmpFullRateCall                                                                                                                                                           |                                                                         |     |                         |
| 7                                                        |       | +BasicServiceMO(TSPX_MO_BscSvc_FRCall, C_Full)                                                                                                                               |                                                                         |     |                         |
| 8                                                        |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                 | ChReq_17                                                                |     |                         |
| 9                                                        |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                 |                                                                         |     | To match ChReq retrans. |
| 10                                                       |       | LIDL_UdatRqImmass                                                                                                                                                            | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |     |                         |
| 11                                                       |       | L?DL_EstInCmsRq                                                                                                                                                              | CmsReq_01                                                               |     |                         |
| 12                                                       |       | ACTIVATE(OtherEventsFail)                                                                                                                                                    |                                                                         |     | Restore Normal default  |
| 13                                                       |       | LIDL_DatRqCmsAcp                                                                                                                                                             | CmsReqAcP_01(TCV_ch)                                                    |     |                         |
| 14                                                       |       | L?DL_DatInSetup (TCV_TI := DL_DatInSetup.msg.ti, TCV_TI0 := TCV_TI, TCV_TI.ti.f := '1'B)                                                                                     | SetupIn_01                                                              |     |                         |
| 15                                                       |       | LIDL_DatRqRelCmp                                                                                                                                                             | RelCmpRq_35(TCV_ch, TCV_TI)                                             |     |                         |
| 16                                                       |       | (TCV_Res := OO_SSresultCHK(C_NotifyBI))                                                                                                                                      |                                                                         |     |                         |
| 17                                                       |       | [TCV_Res]                                                                                                                                                                    |                                                                         | (P) |                         |
| 18                                                       |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                     |                                                                         |     |                         |
| 19                                                       |       | [NOT TCV_Res]                                                                                                                                                                |                                                                         | (F) |                         |
| 20                                                       |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                     |                                                                         |     |                         |
| <b>Detailed Comments:</b>                                |       |                                                                                                                                                                              |                                                                         |     |                         |

### Test Case Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b> | TC_31_9_1_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Group:</b>          | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purpose:</b>        | <p>1) To verify that the mobile station invokes an USSD request by sending a REGISTER message to the network containing a ProcessUnstructuredSS-Request invoke component. This message will contain the alphabet indicator set to "SMS default alphabet" and the language indicator set to "language unspecified". The ussd-string parameter shall contain the following digits and symbols depending on the operation initiated:</p> <p>Activation    *NN(N)# (no supplementary information included)<br/>                   *NN(N)*SI#(one field of supplementary information included)<br/>                   *NN(N)*SIA*SIB#(two fields of supplementary information included)</p> <p>Deactivation    #NN(N)# (no supplementary information included)<br/>                   #NN(N)*SI#(one field of supplementary information included)<br/>                   #NN(N)*SIA*SIB#(two fields of supplementary information included)</p> <p>Interrogation    *#NN(N)# (no supplementary information included)<br/>                   *#NN(N)*SI#(one field of supplementary information included)<br/>                   *#NN(N)*SIA*SIB#(two fields of supplementary information included)</p> <p>Registration    **NN(N)# (no supplementary information included)<br/>                   **NN(N)*SI#(one field of supplementary information included)<br/>                   **NN(N)*SIA*SIB#(two fields of supplementary information included)</p> <p>Erasure        ##NN(N)# (no supplementary information included)<br/>                   ##NN(N)*SI#(one field of supplementary information included)<br/>                   ##NN(N)*SIA*SIB#(two fields of supplementary information included)</p> <p>Operations not yet defined in GSM 02.30 (see 2)</p> <p>NN(N) features a set of service codes which have not yet been allocated for GSM supplementary services (see GSM 02.30 for service codes already specified).<br/> N is a digit within 1..9 and SI, SIA, SIB strings of characters.</p> <p>2) To check that the entry of 1 or 2 characters defined in the GSM 03.38 default alphabet followed by "SEND" shall be interpreted by the MS as an USSD request unless the MS is not engaged in a call and the first of the two character entry followed by "SEND" is a "1".</p> <p>3) To verify that, for supplementary service procedures independent of any call, the initiating side must establish a MM-connection between the network and the mobile station according to the rules in TS GSM 4.07 and 4.08.</p> <p>4) To verify that, within a call the MS shall transmit a USSD request if any. See TS GSM 4.07 and 4.08 for the handling of multiple MM connections.</p> <p>5) To check that upon receipt of the RELEASE COMPLETE message, the MS shall display the information contained to the user in a way described by the manufacturer.</p> |
| <b>Default:</b>        | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

| Nr | Label | Behaviour Description                                                                                                                                                        | CRef | V | Comments                         |
|----|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------------------------------|
| 1  |       | START T_guard(300)                                                                                                                                                           |      |   |                                  |
| 2  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                         |      |   |                                  |
| 3  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                              |      |   |                                  |
| 4  |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1) |      |   |                                  |
| 5  |       | +PreEnterIdleState_04(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                 |      |   |                                  |
| 6  |       | (TCV_counter_c:=1, TCV_counter_k:=1)                                                                                                                                         |      |   |                                  |
| 7  |       | (TCV_PreviousOctets:='A2120201'O, TCV_FollowingOctets:='300E02013B0FC                                                                                                        |      |   | USSD String for FACILITY message |

|    |                                                                                                                                                                                                                                                      |                                                                                                                                                  |                                       |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| 8  | 6F038CD4ED3F391E712'O)<br>REPEAT ltree_c_loop UNTIL<br>[TCV_counter_c>17]                                                                                                                                                                            |                                                                                                                                                  | (random): "Facility OK"               |
| 9  | <b>ltree_c_loop</b><br>+ltreeSetLoopParameters<br>(TCV_Null:=OO_InitSS(TCV_UssdString))<br>+ltree_MMConnection<br>+ltree_UssdOperation(TCV_ch)<br>+PostMainLinkRel(TCV_ch)<br>+ltree_continue                                                        |                                                                                                                                                  |                                       |
| 15 | <b>ltree_continue</b><br>+ltree_MsOrigCall<br>(TCV_Null := OO_InitSS(TCV_UssdString))<br>+DTMFSignalling(OC_LengthOfString(TCV_UssdString), TCV_ti_orig, TCV_ti_dest, TCV_chTch)<br>+ltree_UssdOperation(TCV_chTch)<br>L!DL_DatRqDisc                | DiscSnd(TCV_chTch,<br>Disconn_07(TCV_ti_dest))<br>ReleaseInd_02<br>RelCmpRq_05(TCV_ti_dest, TCV_chTch)                                           |                                       |
| 20 | L?DL_DatInRel                                                                                                                                                                                                                                        |                                                                                                                                                  |                                       |
| 21 | L!DL_DatRqRelCmp                                                                                                                                                                                                                                     |                                                                                                                                                  |                                       |
| 22 | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                          |                                                                                                                                                  |                                       |
| 23 | (TCV_counter_c :=<br>TCV_counter_c+1)                                                                                                                                                                                                                |                                                                                                                                                  |                                       |
| 24 | <b>ltree_MMConnection</b><br>L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)<br>ACTIVATE(OtherEventsFail_02)<br>L!DL_UdatRqImmss                                                                                    | ChReq_17<br><br>ImmAss_01Def(TCV_agch, TCV_Rr,<br>TCV_Fn, TCV_slot,<br>TCV_tsc,<br>TimingAdv_01)                                                 | To match ChReq retrans.               |
| 27 | <b>ltree_MsOrigCall</b><br>+AttmpFullRateCall<br>+BasicServiceMO(TSPX_MO_BscSvc_FRCall,<br>C_Full)<br>+ltree_MMConnection<br>L?DL_EstInCmsRq<br>ACTIVATE(OtherEventsFail)<br>L!DL_DatRqCmsAcp                                                        | CmsReq_01<br><br>CmsReq_01<br><br>CmsReq_01(TCV_chTch)<br>SetupIn_01                                                                             | Restore Normal default                |
| 33 | L?DL_DatInSetup (TCV_ti_orig :=<br>DL_DatInSetup.msg.ti, TCV_ti_dest :=<br>TCV_ti_orig, TCV_ti_dest.ti_f := '1'B,<br>TCV_Setup_mo := DL_DatInSetup.msg,<br>TCV_CallProc :=<br>OC_CallProcGen(TCV_Setup_mo, CallPr<br>oced_03))<br>L!DL_DatRqCallProc | CallProc(TCV_ch,<br>TCV_CallProc)<br>Alert_01(TCV_ti_dest,<br>TCV_chTch)<br>Conn_01(TCV_ti_dest,<br>TCV_chTch)<br>ConnAckRcv_01(TCV<br>_ti_orig) |                                       |
| 34 | L!DL_DatRqAlert                                                                                                                                                                                                                                      |                                                                                                                                                  |                                       |
| 35 | L!DL_DatRqConn                                                                                                                                                                                                                                       |                                                                                                                                                  |                                       |
| 36 | L?DL_DatInConnAck                                                                                                                                                                                                                                    |                                                                                                                                                  |                                       |
| 37 |                                                                                                                                                                                                                                                      |                                                                                                                                                  |                                       |
| 38 | <b>ltree_UssdOperation(ch: LOGICCH)</b><br>L?DL_EstInCmsRq<br>ACTIVATE(OtherEventsFail)<br>L!DL_DatRqCmsAcp<br>L?DL_DatInRegister (TCV_TI :=<br>DL_DatInRegister.msg.ti, TCV_TI0 := TCV_TI,                                                          | CmsReq_08<br><br>CmsReq_08<br><br>CmsReq_08(ch)<br>Register_32(TCV_UssdString)                                                                   | Restore Normal default<br><br><br>(P) |
| 39 |                                                                                                                                                                                                                                                      |                                                                                                                                                  |                                       |
| 40 |                                                                                                                                                                                                                                                      |                                                                                                                                                  |                                       |
| 41 |                                                                                                                                                                                                                                                      |                                                                                                                                                  |                                       |



|    |                                                                                                                                                                                                                                                                                                       |                                                                                                          |                                                   |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------------|
|    | <pre>TCV_TI0.ti_f := '1'B, TCV_Comp := DL_DatInRegister.msg.fie.components_1, TCV_n := OC_PosinSet(TCV_Comp, ProcessUSSDReq_01(TCV_UssdString)), TCV_Invkld := OC_Asn1intToOct(TCV_Comp.[TCV_n].proces sUnstructuredSSRequestComponents.process UnstructuredSSRequest_InvokeComp.invokeID , 1))</pre> |                                                                                                          |                                                   |
| 42 | <pre>LIDL_DatRqRelCmp</pre>                                                                                                                                                                                                                                                                           | <pre>RelCmpRq_41(ch, TCV_TI, TCV_Invkld, TCV_PreviousOctets, TCV_FollowingOctets , TCV_UssdString)</pre> |                                                   |
|    | <p><b>ItreeSetLoopParameters</b></p>                                                                                                                                                                                                                                                                  |                                                                                                          |                                                   |
| 43 | <pre>[TCV_counter_c=1]</pre>                                                                                                                                                                                                                                                                          |                                                                                                          |                                                   |
| 44 | <pre>(TCV_UssdString:="*60#", TCV_PreviousOctets:="O", TCV_FollowingOctets:="O)</pre>                                                                                                                                                                                                                 |                                                                                                          | activation with no supplement. information        |
| 45 | <pre>[TCV_counter_c=2]</pre>                                                                                                                                                                                                                                                                          |                                                                                                          |                                                   |
| 46 | <pre>(TCV_UssdString:="*201*35#", TCV_PreviousOctets:="O", TCV_FollowingOctets:="O)</pre>                                                                                                                                                                                                             |                                                                                                          | activation with one field of sup. information     |
| 47 | <pre>[TCV_counter_c=3]</pre>                                                                                                                                                                                                                                                                          |                                                                                                          |                                                   |
| 48 | <pre>(TCV_UssdString:="*70*635*562#", TCV_PreviousOctets:="O", TCV_FollowingOctets:="O)</pre>                                                                                                                                                                                                         |                                                                                                          | activation with two fields of sup. information    |
| 49 | <pre>[TCV_counter_c=4]</pre>                                                                                                                                                                                                                                                                          |                                                                                                          |                                                   |
| 50 | <pre>(TCV_UssdString:="*#60#", TCV_PreviousOctets:="O", TCV_FollowingOctets:="O)</pre>                                                                                                                                                                                                                |                                                                                                          | deactivation with no supplement. information      |
| 51 | <pre>[TCV_counter_c=5]</pre>                                                                                                                                                                                                                                                                          |                                                                                                          |                                                   |
| 52 | <pre>(TCV_UssdString:="*#201*35#", TCV_PreviousOctets:="O", TCV_FollowingOctets:="O)</pre>                                                                                                                                                                                                            |                                                                                                          | deactivation with one field of sup. information   |
| 53 | <pre>[TCV_counter_c=6]</pre>                                                                                                                                                                                                                                                                          |                                                                                                          |                                                   |
| 54 | <pre>(TCV_UssdString:="*#70*635*562#", TCV_PreviousOctets:="O", TCV_FollowingOctets:="O)</pre>                                                                                                                                                                                                        |                                                                                                          | deactivation with two fields of sup. information  |
| 55 | <pre>[TCV_counter_c=7]</pre>                                                                                                                                                                                                                                                                          |                                                                                                          |                                                   |
| 56 | <pre>(TCV_UssdString:="*#60#", TCV_PreviousOctets:="O", TCV_FollowingOctets:="O)</pre>                                                                                                                                                                                                                |                                                                                                          | interrogation with no supplement. information     |
| 57 | <pre>[TCV_counter_c=8]</pre>                                                                                                                                                                                                                                                                          |                                                                                                          |                                                   |
| 58 | <pre>(TCV_UssdString:="*#201*35#", TCV_PreviousOctets:="O", TCV_FollowingOctets:="O)</pre>                                                                                                                                                                                                            |                                                                                                          | interrogation with one field of sup. information  |
| 59 | <pre>[TCV_counter_c=9]</pre>                                                                                                                                                                                                                                                                          |                                                                                                          |                                                   |
| 60 | <pre>(TCV_UssdString:="*#70*635*562#", TCV_PreviousOctets:="O", TCV_FollowingOctets:="O)</pre>                                                                                                                                                                                                        |                                                                                                          | interrogation with two fields of sup. information |
| 61 | <pre>[TCV_counter_c=10]</pre>                                                                                                                                                                                                                                                                         |                                                                                                          |                                                   |
| 62 | <pre>(TCV_UssdString:="*#60#", TCV_PreviousOctets:="O", TCV_FollowingOctets:="O)</pre>                                                                                                                                                                                                                |                                                                                                          | registration with no supplement. information      |
| 63 | <pre>[TCV_counter_c=11]</pre>                                                                                                                                                                                                                                                                         |                                                                                                          |                                                   |
| 64 | <pre>(TCV_UssdString:="**201*35#", TCV_PreviousOctets:="O", TCV_FollowingOctets:="O)</pre>                                                                                                                                                                                                            |                                                                                                          | registration with one field of sup. information   |
| 65 | <pre>[TCV_counter_c=12]</pre>                                                                                                                                                                                                                                                                         |                                                                                                          |                                                   |
| 66 | <pre>(TCV_UssdString:="**70*635*562#", TCV_PreviousOctets:="O", TCV_FollowingOctets:="O)</pre>                                                                                                                                                                                                        |                                                                                                          | registration with two fields of sup. information  |
| 67 | <pre>[TCV_counter_c=13]</pre>                                                                                                                                                                                                                                                                         |                                                                                                          |                                                   |
| 68 | <pre>(TCV_UssdString:="###60#", TCV_PreviousOctets:="O", TCV_FollowingOctets:="O)</pre>                                                                                                                                                                                                               |                                                                                                          | erasure with no supplement. information           |
| 69 | <pre>[TCV_counter_c=14]</pre>                                                                                                                                                                                                                                                                         |                                                                                                          |                                                   |
| 70 | <pre>(TCV_UssdString:="###201*35#", TCV_PreviousOctets:="O", TCV_FollowingOctets:="O)</pre>                                                                                                                                                                                                           |                                                                                                          | erasure with one field of sup. information        |

|                           |                                                                                           |  |                                                |
|---------------------------|-------------------------------------------------------------------------------------------|--|------------------------------------------------|
| 71                        | [TCV_counter_c=15]                                                                        |  |                                                |
| 72                        | (TCV_UssdString:="##70*635*562#",<br>TCV_PreviousOctets:="O",<br>TCV_FollowingOctets:="O) |  | erasure with two fields of<br>sup. information |
| 73                        | [TCV_counter_c=16]                                                                        |  |                                                |
| 74                        | (TCV_UssdString:="7", TCV_PreviousOctets:="O",<br>TCV_FollowingOctets:="O)                |  | acc. requirement 1a<br>(GSM 11.10)             |
| 75                        | [TCV_counter_c=17]                                                                        |  |                                                |
| 76                        | (TCV_UssdString:="26", TCV_PreviousOctets:="O",<br>TCV_FollowingOctets:="O)               |  | acc. requirement 1a<br>(GSM 11.10)             |
| <b>Detailed Comments:</b> |                                                                                           |  |                                                |

| Test Case Dynamic Behaviour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  |     |                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----|-------------------------------------------|
| <b>Test Case Name:</b> TC_31_9_1_2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  |     |                                           |
| <b>Group:</b> GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  |     |                                           |
| <b>Purpose:</b><br>1)To verify that if a mobile initiated USSD request using protocole version 2 is rejected by the network, and the reason for the rejection is indicated either by the problem code "unrecognized operation" or a cause "facility rejected", the mobile station shall assume that the network only supports protocole version 1 of USSD operation. The mobile station shall re-attempt the request by using the appropriate protocole version 1 USSD operation without a SS version indicator if the unstructured data entered by teh user can be coded as an IA5 string.<br><br>2)To check that, upon receipt of the RELEASE COMPLETE message, the MS shall provide the appropriate user indication (which is to be described by the manufacturer). If ussd-string information is included this shall be given to the user (in a way described by the manufacturer). |       |                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  |     |                                           |
| <b>Default:</b> OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  |     |                                           |
| Nr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                              | CRef                                                                             | V   | Comments                                  |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | body  | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                 |                                                                                  |     |                                           |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       | +ltree_preamble                                                                                                                                                                                                                                                                                                                                                    |                                                                                  |     |                                           |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       | +ltree_part1                                                                                                                                                                                                                                                                                                                                                       |                                                                                  |     |                                           |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       | +ltree_part2                                                                                                                                                                                                                                                                                                                                                       |                                                                                  |     |                                           |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       | +ltree_part3                                                                                                                                                                                                                                                                                                                                                       |                                                                                  |     |                                           |
| <b>ltree_preamble</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  |     |                                           |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                               |                                                                                  |     |                                           |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                    |                                                                                  |     |                                           |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1)                                                                                                                                                                                       |                                                                                  |     |                                           |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       | +PreEnterIdleState_04(C_Immass,TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlTDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                         |                                                                                  |     |                                           |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       | (TCV_counter_k:=1, TCV_UssdString:="*70*635*562#")                                                                                                                                                                                                                                                                                                                 |                                                                                  |     |                                           |
| <b>ltree_part1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  |     |                                           |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       | (TCV_Null:=OO_InitSS(TCV_UssdString))                                                                                                                                                                                                                                                                                                                              |                                                                                  |     |                                           |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       | +ltree_MMConnection                                                                                                                                                                                                                                                                                                                                                |                                                                                  |     |                                           |
| 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                                    | CmsrReq_08                                                                       |     |                                           |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                          |                                                                                  |     | Restore Normal default                    |
| 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       | L!DL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                                                   | CmsrAcp_01(TCV_ch)                                                               |     |                                           |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       | L?DL_DatInRegister (TCV_TI := DL_DatInRegister.msg.ti, TCV_TI0 := TCV_TI, TCV_TI0.ti_f := '1'B, TCV_Comp := DL_DatInRegister.msg.fie.components_1, TCV_n := OC_PosinSet(TCV_Comp, ProcessUSSDReq_01(TCV_UssdString)), TCV_Invkld := OC_Asn1intToOct(TCV_Comp.[TCV_n].processUnstructuredSSRequestComponents.pprocessUnstructuredSSRequest_InvokeComp.invokeID, 1)) | Register_32(TCV_UssdString)                                                      | (P) | Invoke ProcessUnstructuredUSS-Request     |
| 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       | L!DL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                                                   | RelCmpRq_36(TCV_ch, TCV_TI, TCV_Invkld, TCV_PreviousOctets, TCV_FollowingOctets) |     | Return result ProcessUnstructuredUSS-Data |
| 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                                    | CmsrReq_08                                                                       |     |                                           |
| 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       | L!DL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                                                   | CmsrAcp_01(TCV_ch)                                                               |     |                                           |
| 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       | L?DL_DatInRegister (TCV_TI := DL_DatInRegister.msg.ti, TCV_TI0 := TCV_TI, TCV_TI0.ti_f := '1'B, TCV_Comp :=                                                                                                                                                                                                                                                        | Register_33(TCV_UssdString)                                                      | (P) | Invoke ProcessUnstructuredUSS-Data        |

|    |                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                           |                                              |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------|
| 21 | DL_DatInRegister.msg.fie.components_1, TCV_n :=<br>OC_PosinSet(TCV_Comp,<br>ProcessUSSDReq_01(TCV_UssdString)), TCV_InvkId :=<br>OC_Asn1intToOct(TCV_Comp.[TCV_n].processUnstructuredSSRequestComponents.processUnstructuredSSRequest_InvokeComp.invokeID, 1))<br>L!DL_DatRqRelCmp                                                                                                        | RelCmpRq_38(TCV_ch, TCV_TI,<br>TCV_InvkId,<br>TCV_PreviousOctets,<br>TCV_FollowingOctets) | Return result<br>ProcessUnstructuredUSS-Data |
| 22 | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                  |                                                                                           |                                              |
| 23 | <b>ltree_part2</b><br>(TCV_Null:=OO_InitSS(TCV_UssdString))                                                                                                                                                                                                                                                                                                                               |                                                                                           |                                              |
| 24 | +ltree_MMConnection                                                                                                                                                                                                                                                                                                                                                                       |                                                                                           |                                              |
| 25 | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                                                           | CmsReq_08                                                                                 |                                              |
| 26 | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                 |                                                                                           | Restore Normal default                       |
| 27 | L!DL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                                                                          | CmsReq_01(TCV_ch)                                                                         |                                              |
| 28 | L?DL_DatInRegister (TCV_TI :=<br>DL_DatInRegister.msg.ti, TCV_TI0 :=<br>TCV_TI, TCV_TI0.ti_f := '1'B, TCV_Comp :=<br>DL_DatInRegister.msg.fie.components_1,<br>TCV_n := OC_PosinSet(TCV_Comp,<br>ProcessUSSDReq_01(TCV_UssdString)),<br>TCV_InvkId :=<br>OC_Asn1intToOct(TCV_Comp.[TCV_n].processUnstructuredSSRequestComponents.processUnstructuredSSRequest_InvokeComp.invokeID, 1))    | Register_32(TCV_UssdString)                                                               | (P) Invoke<br>ProcessUnstructuredUSS-Request |
| 29 | L!DL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                                                                          | RelCmpRq_37(TCV_ch, TCV_TI)                                                               | Facility rejected                            |
| 30 | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                  |                                                                                           |                                              |
| 31 | +ltree_MMConnection                                                                                                                                                                                                                                                                                                                                                                       |                                                                                           |                                              |
| 32 | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                                                           | CmsReq_08                                                                                 |                                              |
| 33 | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                 |                                                                                           | Restore Normal default                       |
| 34 | L!DL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                                                                          | CmsReq_01(TCV_ch)                                                                         |                                              |
| 35 | L?DL_DatInRegister (TCV_TI :=<br>DL_DatInRegister.msg.ti,<br>TCV_TI0 := TCV_TI,<br>TCV_TI0.ti_f := '1'B,<br>TCV_Comp :=<br>DL_DatInRegister.msg.fie.components_1, TCV_n :=<br>OC_PosinSet(TCV_Comp,<br>ProcessUSSDReq_01(TCV_UssdString)), TCV_InvkId :=<br>OC_Asn1intToOct(TCV_Comp.[TCV_n].processUnstructuredSSRequestComponents.processUnstructuredSSRequest_InvokeComp.invokeID, 1)) | Register_33(TCV_UssdString)                                                               | (P) Invoke<br>ProcessUnstructuredUSS-Data    |
| 36 | L!DL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                                                                          | RelCmpRq_38(TCV_ch, TCV_TI,<br>TCV_InvkId,<br>TCV_PreviousOctets,<br>TCV_FollowingOctets) | Return result<br>ProcessUnstructuredUSS-Data |
| 37 | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                  |                                                                                           |                                              |
| 38 | <b>ltree_part3</b><br>REPEAT ltree_k_loop UNTIL [TCV_counter_k>10]                                                                                                                                                                                                                                                                                                                        |                                                                                           |                                              |
|    | <b>ltree_k_loop</b>                                                                                                                                                                                                                                                                                                                                                                       |                                                                                           |                                              |

|    |                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                              |     |                                                    |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----|----------------------------------------------------|
| 39 | +ltreeSetLoopParameters                                                                                                                                                                                                                                                                                                                                                                                |                                                                                              |     |                                                    |
| 40 | +ltree_MsOrigCall                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                              |     |                                                    |
| 41 | (TCV_Null:=OO_InitSS(TCV_UssdString))                                                                                                                                                                                                                                                                                                                                                                  |                                                                                              |     |                                                    |
| 42 | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                                                                        | CmserReq_08                                                                                  |     |                                                    |
| 43 | LIDL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                                                                                       | CmserAcp_01(TCV_chTch)                                                                       |     |                                                    |
| 44 | L?DL_DatInRegister (TCV_TI :=<br>DL_DatInRegister.msg.ti, TCV_TI0 :=<br>TCV_TI, TCV_TI0.ti_f := '1'B, TCV_Comp<br>:=<br>DL_DatInRegister.msg.fie.components_1,<br>TCV_n := OC_PosinSet(TCV_Comp,<br>ProcessUSSDRReq_01(TCV_UssdString)),<br>TCV_Invkld :=<br>OC_Asn1intToOct(TCV_Comp.[TCV_n].pro<br>cessUnstructuredSSRequestComponents.p<br>rocessUnstructuredSSRequest_InvokeCom<br>p.invokeID, 1)) | Register_32(TCV_UssdString)                                                                  | (P) | Invoke<br>ProcessUnstructuredUSS<br>-Request       |
| 45 | +ltree_ReleaseCmpAccCounterK                                                                                                                                                                                                                                                                                                                                                                           |                                                                                              |     |                                                    |
| 46 | LIDL_DatRqDisc                                                                                                                                                                                                                                                                                                                                                                                         | DiscSnd(TCV_chTch,<br>Disconn_07(TCV_ti_dest))                                               |     |                                                    |
| 47 | L?DL_DatInRel                                                                                                                                                                                                                                                                                                                                                                                          | ReleaseInd_02                                                                                |     |                                                    |
| 48 | LIDL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                                                                                       | RelCmpRq_05(TCV_ti_dest, TCV_chTch)                                                          |     |                                                    |
| 49 | +PostMainLinkRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                            |                                                                                              |     |                                                    |
| 50 | (TCV_counter_k:=TCV_counter_k+1)                                                                                                                                                                                                                                                                                                                                                                       |                                                                                              |     |                                                    |
|    | <b>ltree_ReleaseCmpAccCounterK</b>                                                                                                                                                                                                                                                                                                                                                                     |                                                                                              |     |                                                    |
| 51 | [TCV_counter_k<5]                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                              |     |                                                    |
| 52 | LIDL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                                                                                       | RelCmpRq_39(TCV_chTch, TCV_TI,<br>TCV_Invkld,<br>TCV_PreviousOctets,<br>TCV_FollowingOctets) |     | Return error<br>ProcessUnstructuredUSS<br>-Request |
| 53 | [TCV_counter_k>4]                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                              |     |                                                    |
| 54 | LIDL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                                                                                       | RelCmpRq_40(TCV_chTch, TCV_TI,<br>TCV_Invkld,<br>TCV_PreviousOctets,<br>TCV_FollowingOctets) |     | Reject<br>ProcessUnstructuredUSS<br>-Request       |
|    | <b>ltree_MMConnection</b>                                                                                                                                                                                                                                                                                                                                                                              |                                                                                              |     |                                                    |
| 55 | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                                                                                                                                                                                                                                                    | ChReq_17                                                                                     |     |                                                    |
| 56 | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                           |                                                                                              |     | To match ChReq retrans.                            |
| 57 | LIDL_UdatRqImmss                                                                                                                                                                                                                                                                                                                                                                                       | ImmAss_01Def(TCV_agch, TCV_Rr,<br>TCV_Fn, TCV_slot,<br>TCV_tsc,<br>TimingAdv_01)             |     |                                                    |
|    | <b>ltree_MsOrigCall</b>                                                                                                                                                                                                                                                                                                                                                                                |                                                                                              |     |                                                    |
| 58 | +AttmpFullRateCall                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                              |     |                                                    |
| 59 | +BasicServiceMO(TSPX_MO_BscSvc_FRCall,<br>C_Full)                                                                                                                                                                                                                                                                                                                                                      |                                                                                              |     |                                                    |
| 60 | +ltree_MMConnection                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                              |     |                                                    |
| 61 | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                                                                        | CmserReq_01                                                                                  |     |                                                    |
| 62 | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                              |                                                                                              |     | Restore Normal default                             |
| 63 | LIDL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                                                                                       | CmserAcp_01(TCV_chTch)                                                                       |     |                                                    |
| 64 | L?DL_DatInSetup (TCV_ti_orig :=<br>DL_DatInSetup.msg.ti, TCV_ti_dest :=<br>TCV_ti_orig, TCV_ti_dest.ti_f := '1'B,<br>TCV_Setup_mo := DL_DatInSetup.msg,<br>TCV_CallProc :=<br>OC_CallProcGen(TCV_Setup_mo, CallPr<br>oced_03))                                                                                                                                                                         | SetupIn_01                                                                                   |     |                                                    |

|                               |                                                                      |                                     |                                                      |
|-------------------------------|----------------------------------------------------------------------|-------------------------------------|------------------------------------------------------|
| 65                            | L!DL_DatRqCallProc                                                   | CallProc(TCV_ch,<br>TCV_CallProc)   |                                                      |
| 66                            | L!DL_DatRqAlert                                                      | Alert_01(TCV_ti_dest,<br>TCV_chTch) |                                                      |
| 67                            | L!DL_DatRqConn                                                       | Conn_01(TCV_ti_dest<br>, TCV_chTch) |                                                      |
| 68                            | L?DL_DatInConnAck                                                    | ConnAckRcv_01(TCV<br>_ti_orig)      |                                                      |
| <b>ItreeSetLoopParameters</b> |                                                                      |                                     |                                                      |
| 69                            | [TCV_counter_k=1]                                                    |                                     |                                                      |
| 70                            | (TCV_PreviousOctets:='A3060201'O,<br>TCV_FollowingOctets:='020122'O) |                                     | RETURN ERR<br>Error code system failure              |
| 71                            | [TCV_counter_k=2]                                                    |                                     |                                                      |
| 72                            | (TCV_PreviousOctets:='A3060201'O,<br>TCV_FollowingOctets:='020123'O) |                                     | RETURN ERR<br>Error code data missing                |
| 73                            | [TCV_counter_k=3]                                                    |                                     |                                                      |
| 74                            | (TCV_PreviousOctets:='A3060201'O,<br>TCV_FollowingOctets:='020147'O) |                                     | RETURN ERR<br>Error code unknown<br>alpabet          |
| 75                            | [TCV_counter_k=4]                                                    |                                     |                                                      |
| 76                            | (TCV_PreviousOctets:='A3060201'O,<br>TCV_FollowingOctets:='020124'O) |                                     | RETURN ERR<br>Error code unexpected<br>data value    |
| 77                            | [TCV_counter_k=5]                                                    |                                     |                                                      |
| 78                            | (TCV_PreviousOctets:='A4060201'O,<br>TCV_FollowingOctets:='800100'O) |                                     | REJECT<br>Gen. Problem<br>unrecognized component     |
| 79                            | [TCV_counter_k=6]                                                    |                                     |                                                      |
| 80                            | (TCV_PreviousOctets:='A4060201'O,<br>TCV_FollowingOctets:='800101'O) |                                     | REJECT<br>Gen. Problem Mistyped<br>component         |
| 81                            | [TCV_counter_k=7]                                                    |                                     |                                                      |
| 82                            | (TCV_PreviousOctets:='A4060201'O,<br>TCV_FollowingOctets:='800102'O) |                                     | REJECT<br>Gen. Problem badly<br>structured component |
| 83                            | [TCV_counter_k=8]                                                    |                                     |                                                      |
| 84                            | (TCV_PreviousOctets:='A4060201'O,<br>TCV_FollowingOctets:='800102'O) |                                     | REJECT<br>Invoke Problem Mistyped<br>parameter       |
| 85                            | [TCV_counter_k=9]                                                    |                                     |                                                      |
| 86                            | (TCV_PreviousOctets:='A4060201'O,<br>TCV_FollowingOctets:='800103'O) |                                     | REJECT<br>Invoke Problem resource<br>limitation      |
| 87                            | [TCV_counter_k=10]                                                   |                                     |                                                      |
| 88                            | (TCV_PreviousOctets:='A4060201'O,<br>TCV_FollowingOctets:='800104'O) |                                     | REJECT<br>Invoke Problem initiating<br>release       |
| <b>Detailed Comments:</b>     |                                                                      |                                     |                                                      |

### Test Case Dynamic Behaviour

**Test Case Name:** TC\_31\_9\_2\_1  
**Group:** GSM\_L3\_MS\_v4160/SS/  
**Purpose:** 1) To verify that for a USSD request, the MS shall display the text provided and await user input. If the user enters a response, the MS shall acknowledge the operation by sending a FACILITY message containing an empty result component to the network

2) To verify that the MS includes alphabet and language indicators in the response to the network. The alphabet indicator shall indicate "SMS default alphabet". The language indicator shall indicate "language unspecified".

3) To check that the MS is able to process the operation during a call or out of a call.

**Default:** OtherEventsFail

| Nr | Label | Behaviour Description                                                                                                                                                                                                                                                                                                          | CRef                                                           | V   | Comments |
|----|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-----|----------|
| 1  |       | START T_guard(300)                                                                                                                                                                                                                                                                                                             |                                                                |     |          |
| 2  |       | +ltree_preamble                                                                                                                                                                                                                                                                                                                |                                                                |     |          |
| 3  | body  | +ltree_body                                                                                                                                                                                                                                                                                                                    |                                                                |     |          |
|    |       | <b>ltree_preamble</b>                                                                                                                                                                                                                                                                                                          |                                                                |     |          |
| 4  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                           |                                                                |     |          |
| 5  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                |                                                                |     |          |
| 6  |       | (TCV_cellid:=C_CellA, TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_PgCh:= C_PCH_A_1, TCV_ia_ts:= '000'B, TCV_asscmd_ts := TSPX_TmSltB, TCV_chdescr_arfcn := C_arfcnA, TCV_ts:= TSPX_TmSltB) |                                                                |     |          |
| 7  |       | +PreEnterIdleState_04(C_Immass,TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                     |                                                                |     |          |
| 8  |       | (TCV_UssdString:="Transaction OK")                                                                                                                                                                                                                                                                                             |                                                                |     |          |
|    |       | <b>ltree_body</b>                                                                                                                                                                                                                                                                                                              |                                                                |     |          |
| 9  |       | +RRmtcallprepareNoAuthNoCiph(TimingAdv_01)                                                                                                                                                                                                                                                                                     |                                                                |     |          |
| 10 |       | L!DL_DatRqRegister(TCV_TI.ti.v:='000'B, TCV_TI.ti.f:='0'B, TCV_TI0.ti.v:='000'B, TCV_TI0.ti.f:='1'B, TCV_Invkld:='00'O)                                                                                                                                                                                                        | RegisterReq_01(TCV_ch, TCV_TI, TCV_Invkld, TCV_UssdString)     |     |          |
| 11 |       | +CheckUssdStringDisplayed(TCV_UssdString)                                                                                                                                                                                                                                                                                      |                                                                |     |          |
| 12 |       | L?DL_DatInFac                                                                                                                                                                                                                                                                                                                  | Facility_36(TCV_TI0, TCV_Invkld)                               | (P) |          |
| 13 |       | +CC_EstMsTermCall                                                                                                                                                                                                                                                                                                              |                                                                |     |          |
| 14 |       | L!DL_DatRqRelCmp                                                                                                                                                                                                                                                                                                               | RelCmpRq_42(TCV_chTch, TCV_TI)                                 |     |          |
| 15 |       | L!DL_DatRqRegister(TCV_TI2.ti.v:='001'B, TCV_TI2.ti.f:='0'B, TCV_TI3.ti.v:='001'B, TCV_TI3.ti.f:='1'B, TCV_Invkld:='01'O)                                                                                                                                                                                                      | RegisterReq_01(TCV_chTch, TCV_TI2, TCV_Invkld, TCV_UssdString) |     |          |
| 16 |       | +CheckUssdStringDisplayed(TCV_UssdString)                                                                                                                                                                                                                                                                                      |                                                                |     |          |
| 17 |       | L?DL_DatInFac                                                                                                                                                                                                                                                                                                                  | Facility_36(TCV_TI3, TCV_Invkld)                               | (P) |          |
| 18 |       | L!DL_DatRqRelCmp                                                                                                                                                                                                                                                                                                               | RelCmpRq_42(TCV_chTch, TCV_TI2)                                |     |          |
| 19 |       | L!DL_DatRqDisc                                                                                                                                                                                                                                                                                                                 | DiscSnd(TCV_chTch, Disconn_07(TI_02))                          |     |          |
| 20 |       | L?DL_DatInRel                                                                                                                                                                                                                                                                                                                  | ReleaseInd_02                                                  |     |          |
| 21 |       | L!DL_DatRqRelCmp                                                                                                                                                                                                                                                                                                               | RelCmpRq_05(TI_02, TCV_chTch)                                  |     |          |
| 22 |       | +ChanRel_end(TCV_chTch)                                                                                                                                                                                                                                                                                                        |                                                                |     |          |

**Detailed Comments:**

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                  |                                                              |     |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_31_9_2_2                                                                                                                                                                                                                                                                                                                      |                                                              |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                              |                                                              |     |          |
| <b>Purpose:</b>             |       | To verify that when the mobile station receives an USSD operation in parallel to any call independent supplementary transaction, it responds with a return error component in a RELEASE COMPLETE message, containing "USSD-Busy" error.                                                                                          |                                                              |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                  |                                                              |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                            | CRef                                                         | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                               |                                                              |     |          |
| 2                           |       | +ltree_preamble                                                                                                                                                                                                                                                                                                                  |                                                              |     |          |
| 3                           | body  | +ltree_body                                                                                                                                                                                                                                                                                                                      |                                                              |     |          |
| <b>ltree_preamble</b>       |       |                                                                                                                                                                                                                                                                                                                                  |                                                              |     |          |
| 4                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                             |                                                              |     |          |
| 5                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                  |                                                              |     |          |
| 6                           |       | (TCV_cellid:=C_CellA, TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_PgCh:= C_PCH_A_1, TCV_ia_ts:= '000'B, TCV_asscmd_ts := TSPX_TmSlitB, TCV_chdescr_arfcn := C_arfcnA, TCV_ts:= TSPX_TmSlitB) |                                                              |     |          |
| 7                           |       | +PreEnterIdleState_04(C_Immass,TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSlitDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                      |                                                              |     |          |
| 8                           |       | (TCV_UssdString:="Transaction OK")                                                                                                                                                                                                                                                                                               |                                                              |     |          |
| <b>ltree_body</b>           |       |                                                                                                                                                                                                                                                                                                                                  |                                                              |     |          |
| 9                           |       | +RRmtcallprepareNoAuthNoCiph(TimingAdv_01)                                                                                                                                                                                                                                                                                       |                                                              |     |          |
| 10                          |       | L!DL_DatRqRegister(TCV_TI.ti_v:='000'B, TCV_TI.ti_f:='0'B, TCV_TI0.ti_v:='000'B, TCV_TI0.ti_f:='1'B, TCV_Invkld0:='00'O)                                                                                                                                                                                                         | RegisterReq_01(TCV_ch, TCV_TI, TCV_Invkld0, TCV_UssdString)  |     |          |
| 11                          |       | +CheckUssdStringDisplayed(TCV_UssdString)                                                                                                                                                                                                                                                                                        |                                                              |     |          |
| 12                          |       | L?DL_DatInFac                                                                                                                                                                                                                                                                                                                    | Facility_36( TCV_TI0, TCV_Invkld0)                           | (P) |          |
| 13                          |       | L!DL_DatRqRegister(TCV_TI2.ti_v:='001'B, TCV_TI2.ti_f:='0'B, TCV_TI3.ti_v:='001'B, TCV_TI3.ti_f:='1'B, TCV_Invkld1:='01'O)                                                                                                                                                                                                       | RegisterReq_01(TCV_ch, TCV_TI2, TCV_Invkld1, TCV_UssdString) |     |          |
| 14                          |       | L?DL_DatInRelCmp                                                                                                                                                                                                                                                                                                                 | RelCmp_11(TCV_TI3, TCV_Invkld1)                              | (P) |          |
| 15                          |       | L!DL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                 | RelCmpRq_43(TCV_ch, TCV_TI, TCV_Invkld0)                     |     |          |
| 16                          |       | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                                             |                                                              |     |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                                                                                                                  |                                                              |     |          |



| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                 |     |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_31_9_2_3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                 |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                 |     |          |
| <b>Purpose:</b>             |       | <p>1) To verify that for a USSD notification, the MS shall display the text provided and await user input. If the user enters a response, the MS shall return the response to the network, maintaining the transaction.</p> <p>2) To verify that the MS includes alphabet and language indicators in the response to the network. The alphabet indicator shall indicate "SMS default alphabet". The language indicator shall indicate "language unspecified".</p> <p>3) To check that the MS is able to process the operation during a call or out of a call.</p> |                                                                 |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                 |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CRef                                                            | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                 |     |          |
| 2                           |       | +ltree_preamble                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                 |     |          |
| 3                           | body  | +ltree_body                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                 |     |          |
| <b>ltree_preamble</b>       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                 |     |          |
| 4                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                 |     |          |
| 5                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                 |     |          |
| 6                           |       | (TCV_cellid:=C_CellA, TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_PgCh:= C_PCH_A_1, TCV_ia_ts:=000'B, TCV_asscmd_ts := TSPX_TmSltB, TCV_chdescr_arfcn := C_arfcnA, TCV_ts:= TSPX_TmSltB)                                                                                                                                                                                                                                      |                                                                 |     |          |
| 7                           |       | +PreEnterIdleState_04(C_Immass,TCV_slot, TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                 |     |          |
| 8                           |       | (TCV_UssdString1:="Type *70*635*562# and send", TCV_UssdString2:="*70*635*562#")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                 |     |          |
| <b>ltree_body</b>           |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                 |     |          |
| 9                           |       | +RRmtcallprepareNoAuthNoCiph(TimingAdv_01)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                 |     |          |
| 10                          |       | L!DL_DatRqRegister(TCV_TI.ti.v:=000'B, TCV_TI.ti.f:=0'B, TCV_TI0.ti.v:=000'B, TCV_TI0.ti.f:=1'B, TCV_Invkld:=00'O)                                                                                                                                                                                                                                                                                                                                                                                                                                                | RegisterReq_02(TCV_ch, TCV_TI, TCV_Invkld, TCV_UssdString1)     |     |          |
| 11                          |       | +CheckUssdStringDisplayed(TCV_UssdString1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                 |     |          |
| 12                          |       | (TCV_Null:=OO_InitSS(TCV_UssdString2))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                 |     |          |
| 13                          |       | L?DL_DatInFac                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Facility_37(TCV_TI0, TCV_Invkld, TCV_UssdString2)               | (P) |          |
| 14                          |       | +CC_EstMsTermCall                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                 |     |          |
| 15                          |       | L!DL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | RelCmpRq_42(TCV_chTch, TCV_TI)                                  |     |          |
| 16                          |       | L!DL_DatRqRegister(TCV_TI2.ti.v:=001'B, TCV_TI2.ti.f:=0'B, TCV_TI3.ti.v:=001'B, TCV_TI3.ti.f:=1'B, TCV_Invkld:=01'O)                                                                                                                                                                                                                                                                                                                                                                                                                                              | RegisterReq_02(TCV_chTch, TCV_TI2, TCV_Invkld, TCV_UssdString1) |     |          |
| 17                          |       | +CheckUssdStringDisplayed(TCV_UssdString1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                 |     |          |
| 18                          |       | (TCV_Null:=OO_InitSS(TCV_UssdString2))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                 |     |          |
| 19                          |       | +DTMFSignalling(OC_LengthOfString(TCV_UssdString2), TI_01, TI_02, TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                 |     |          |
| 20                          |       | L?DL_DatInFac                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Facility_37(TCV_TI3, TCV_Invkld, TCV_UssdString2)               | (P) |          |
| 21                          |       | L!DL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | RelCmpRq_42(TCV_chTch, TCV_TI2)                                 |     |          |

|    |  |                             |                                          |  |
|----|--|-----------------------------|------------------------------------------|--|
| 22 |  | L!DL_DatRqDisc              | DiscSnd(TCV_chTch,<br>Disconn_07(TI_02)) |  |
| 23 |  | L?DL_DatInRel               | ReleaseInd_02                            |  |
| 24 |  | L!DL_DatRqRelCmp            | RelCmpRq_05(TI_02,<br>TCV_chTch)         |  |
| 25 |  | +ChanRel_end(TCV_<br>chTch) |                                          |  |

Detailed Comments:

### Test Case Dynamic Behaviour

**Test Case Name:** TC\_31\_9\_2\_4  
**Group:** GSM\_L3\_MS\_v4160/SS/  
**Purpose:** To verify that when the mobile station receives an USSD operation in parallel to any call independent supplementary transaction, it responds with a return error component in a RELEASE COMPLETE message, containing "USSD-Busy" error.  
**Default:** OtherEventsFail

| Nr | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                   | Cref                                                                    | V   | Comments |
|----|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----|----------|
| 1  |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                      |                                                                         |     |          |
| 2  |       | +ltree_preamble                                                                                                                                                                                                                                                                                                                                         |                                                                         |     |          |
| 3  | body  | +ltree_body                                                                                                                                                                                                                                                                                                                                             |                                                                         |     |          |
|    |       | <b>ltree_preamble</b>                                                                                                                                                                                                                                                                                                                                   |                                                                         |     |          |
| 4  |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                    |                                                                         |     |          |
| 5  |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot,<br>TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B,<br>'00'O)                                                                                                                                                                                                                                                   |                                                                         |     |          |
| 6  |       | (TCV_cellid:=C_CellA, TCV_ch :=<br>OC_SubchOfSdcch4(TSPX_SDCCH4SubDef,<br>C_CellA), TCV_sacch :=<br>OC_SubchOfSacch4(TSPX_SDCCH4SubDef,<br>C_CellA), TCV_chTch := C_FACCHF_A_1,<br>TCV_sacchTch := C_SACCHF_A_1,<br>TCV_PgCh:= C_PCH_A_1, TCV_ia_ts:=000'B,<br>TCV_asscmd_ts := TSPX_TmSltB,<br>TCV_chdescr_arfcn := C_arfcnA, TCV_ts:=<br>TSPX_TmSltB) |                                                                         |     |          |
| 7  |       | +PreEnterIdleState_04(C_Immass,TCV_slot,<br>TCV_tsc, 5, 1, 0, C_Ass, TSPX_TmSltDef,<br>TSPX_TscDef, TimingAdv_01, '000'B, '001'B,<br>'011'B, '00'O)                                                                                                                                                                                                     |                                                                         |     |          |
| 8  |       | (TCV_UssdString1:="Type *70*635*562# and<br>send", TCV_UssdString2:="*70*635*562#")                                                                                                                                                                                                                                                                     |                                                                         |     |          |
|    |       | <b>ltree_body</b>                                                                                                                                                                                                                                                                                                                                       |                                                                         |     |          |
| 9  |       | +RRmtcallprepareNoAuthNoCiph(TimingAdv_01)                                                                                                                                                                                                                                                                                                              |                                                                         |     |          |
| 10 |       | L!DL_DatRqRegister(TCV_TI.ti.v:=000'B,<br>TCV_TI.ti.f:=0'B, TCV_TI0.ti.v:=000'B,<br>TCV_TI0.ti.f:=1'B, TCV_Invkld0:=00'O)                                                                                                                                                                                                                               | RegisterReq_01(TCV<br>_ch, TCV_TI,<br>TCV_Invkld0,<br>TCV_UssdString1)  |     |          |
| 11 |       | +CheckUssdStringDisplayed(TCV_UssdString1)                                                                                                                                                                                                                                                                                                              |                                                                         |     |          |
| 12 |       | (TCV_Null:=OO_InitSS(TCV_UssdString2))                                                                                                                                                                                                                                                                                                                  |                                                                         |     |          |
| 13 |       | L?DL_DatInFac                                                                                                                                                                                                                                                                                                                                           | Facility_37(TCV_TI0,<br>TCV_Invkld0,<br>TCV_UssdString2)                | (P) |          |
| 14 |       | L!DL_DatRqRegister(TCV_TI2.ti.v:=001'B,<br>TCV_TI2.ti.f:=0'B, TCV_TI3.ti.v:=001'B,<br>TCV_TI3.ti.f:=1'B, TCV_Invkld1:=01'O)                                                                                                                                                                                                                             | RegisterReq_01(TCV<br>_ch, TCV_TI2,<br>TCV_Invkld1,<br>TCV_UssdString1) |     |          |
| 15 |       | L?DL_DatInRelCmp                                                                                                                                                                                                                                                                                                                                        | RelCmp_12(TCV_TI3,<br>TCV_Invkld1)                                      | (P) |          |
| 16 |       | L!DL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                                        | RelCmpRq_44(TCV_<br>ch, TCV_TI,<br>TCV_Invkld0)                         |     |          |
| 17 |       | +ChanRel_end(TCV_ch)                                                                                                                                                                                                                                                                                                                                    |                                                                         |     |          |

Detailed Comments:

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                         |     |                         |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Case Name:</b>      |       | TC_31_10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/SS/                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                         |     |                         |
| <b>Purpose:</b>             |       | To check that the entry of two digits in the form !X (X in the set 0..9) followed by SEND is accepted by the mobile station in idle mode as a normal call establishment for the 1X number. It is checked that the MS sends a CHANNEL REQUEST, sends CM SERVICE REQUEST message for mobile originated call (after having received an IMMEDIATE ASSIGNMENT), and then sends the SETUP message containing the 1X phone number as called number (after having received the CM SERVICE ACCEPT message) |                                                                         |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                         |     |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CRef                                                                    | V   | Comments                |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                         |     |                         |
| 2                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         |     |                         |
| 3                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                         |     |                         |
| 4                           |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA))                                                                                                                                                                                                                                                                                                                                                                               |                                                                         |     |                         |
| 5                           |       | +PreEnterIdleState_03(C_Immass, TCV_slot, TCV_tsc, 5, 1, 0, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |     | 1.                      |
| 6                           |       | +test("10")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |     |                         |
| 7                           |       | +test("11")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |     |                         |
| 8                           |       | +test("12")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |     |                         |
| 9                           |       | +test("13")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |     |                         |
| 10                          |       | +test("14")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |     |                         |
| 11                          |       | +test("15")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |     |                         |
| 12                          |       | +test("16")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |     |                         |
| 13                          |       | +test("17")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |     |                         |
| 14                          |       | +test("18")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |     |                         |
| 15                          |       | +test("19")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |     |                         |
| <b>test(num:IA5String)</b>  |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                         |     |                         |
| 16                          |       | (TCV_Null := OO_InitSS(num))                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |     | 2.                      |
| 17                          |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                                                                                                                                                                                                                                                                                                                                                   | ChReq_17                                                                |     |                         |
| 18                          |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         |     | To match ChReq retrans. |
| 19                          |       | LIDL_UdatRqImmass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01) |     |                         |
| 20                          |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CmserReq_04                                                             |     |                         |
| 21                          |       | ACTIVATE(OtherEventsFail)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                         |     | Restore Normal default  |
| 22                          |       | L!DL_DatRqCmsAcp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CmserAcp_01(TCV_ch)                                                     |     |                         |
| 23                          |       | L?DL_DatInSetup (TCV_TI := DL_DatInSetup.msg.ti, TCV_CalledNum := DL_DatInSetup.msg.cdprn, TCV_TI0 := TCV_TI, TCV_TI.ti_f := '1'B)                                                                                                                                                                                                                                                                                                                                                                | SetupIn_01                                                              |     |                         |
| 24                          |       | LIDL_DatRqRelCmp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | RelCmpRq_08(TCV_ch, TCV_TI)                                             |     |                         |
| 25                          |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         |     | 3.                      |
| 26                          |       | (TCV_Res := OC_CalledNumCHK(TCV_CalledNum.digits, num))                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |     |                         |
| 27                          |       | [TCV_Res]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                         | (P) |                         |
| 28                          |       | START T_dly(10000)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                         |     |                         |
| 29                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |     |                         |
| 30                          |       | [NOT TCV_Res]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         | (F) |                         |
| 31                          |       | START T_dly(10000)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                         |     |                         |
| 32                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |     |                         |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To setup physical channel as BCCH, CCCH and SDCCH4.</li> <li>2. To dial the two digits number.</li> <li>3. To check whether the received called party number is the same as the dialled number.</li> </ol>                                                                                                                                                                                                                                              |                                                                         |     |                         |



## Test Group SM

| Test Case Dynamic Behaviour |       |                                                                                                            |      |     |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------|------|-----|----------|
| <b>Test Case Name:</b>      |       | TC_34_2_1                                                                                                  |      |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/SM/                                                                                        |      |     |          |
| <b>Purpose:</b>             |       | To verify the ability of a MS to receive and decode the SMS where provided for the point to point service. |      |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                            |      |     |          |
| Nr                          | Label | Behaviour Description                                                                                      | CRef | V   | Comments |
| 1                           |       | START T_guard(300)                                                                                         |      |     |          |
| 2                           |       | +ltree_preamble                                                                                            |      |     |          |
| 3                           | body  | +ltree_part1                                                                                               |      |     | 1        |
| 4                           |       | +ltree_part2                                                                                               |      |     | 2        |
| 5                           |       | +ltree_part3                                                                                               |      |     | 3        |
| 6                           |       | +ltree_part4                                                                                               |      |     | 4        |
| <b>ltree_part1</b>          |       |                                                                                                            |      |     |          |
| 7                           |       | +ltree_PrepareEnvironmentPart1                                                                             |      |     |          |
| 8                           |       | +ltree_sms1(TCV_ch)                                                                                        |      |     |          |
| 9                           |       | +ChanRel(TCV_ch)                                                                                           |      |     |          |
| 10                          |       | (TCV_Res := OO_CheckMessageDisplayed())                                                                    |      |     |          |
| 11                          |       | [TCV_Res =FALSE]                                                                                           |      | (F) |          |
| 12                          |       | [TCV_Res =TRUE]                                                                                            |      |     |          |
| 13                          |       | +ltree_PrepareEnvironmentPart1                                                                             |      |     |          |
| 14                          |       | +ltree_sms3(TCV_ch)                                                                                        |      |     |          |
| 15                          |       | +ChanRel(TCV_ch)                                                                                           |      |     |          |
| 16                          |       | (TCV_Res:=OO_CheckMessageDisplayed())                                                                      |      |     |          |
| 17                          |       | [TCV_Res =FALSE]                                                                                           |      | (F) |          |
| 18                          |       | [TCV_Res =TRUE]                                                                                            |      |     |          |
| 19                          |       | +ltree_PrepareEnvironmentPart1                                                                             |      |     |          |
| 20                          |       | +ltree_sms4(TCV_ch, 5)                                                                                     |      |     |          |
| 21                          |       | +ChanRel(TCV_ch)                                                                                           |      |     |          |
| 22                          |       | (TCV_Res:=OO_CheckMessageDisplayed())                                                                      |      |     |          |
| 23                          |       | [TCV_Res =FALSE]                                                                                           |      | (F) |          |
| 24                          |       | [TCV_Res =TRUE]                                                                                            |      |     |          |
| 25                          |       | (TCV_Null:=OO_EmptyMessageStorage())                                                                       |      |     |          |
| <b>ltree_part2</b>          |       |                                                                                                            |      |     |          |
| 26                          |       | +ltree_PrepareEnvironmentPart2                                                                             |      |     |          |
| 27                          |       | +ltree_sms1(TCV_chTch)                                                                                     |      |     |          |
| 28                          |       | +ChanRel(TCV_chTch)                                                                                        |      |     |          |
| 29                          |       | (TCV_Res:=OO_CheckMessageDisplayed())                                                                      |      |     |          |
| 30                          |       | [TCV_Res =FALSE]                                                                                           |      | (F) |          |
| 31                          |       | [TCV_Res =TRUE]                                                                                            |      |     |          |
| 32                          |       | (TCV_Null:=OO_EmptyMessageStorage())                                                                       |      |     |          |
| 33                          |       | +ltree_PrepareEnvironmentPart2                                                                             |      |     |          |
| 34                          |       | +ltree_sms3(TCV_chTch)                                                                                     |      |     |          |
| 35                          |       | +ChanRel(TCV_chTch)                                                                                        |      |     |          |
| 36                          |       | (TCV_Res:=OO_CheckMessageDisplayed())                                                                      |      |     |          |
| 37                          |       | [TCV_Res =FALSE]                                                                                           |      | (F) |          |
| 38                          |       | [TCV_Res =TRUE]                                                                                            |      |     |          |
| 39                          |       | (TCV_Null:=OO_EmptyMessageStorage())                                                                       |      |     |          |
| 40                          |       | +ltree_PrepareEnvironmentPart2                                                                             |      |     |          |
| 41                          |       | +ltree_sms4(TCV_chTch, 15)                                                                                 |      |     |          |
| 42                          |       | +ChanRel(TCV_chTch)                                                                                        |      |     |          |
| 43                          |       | (TCV_Res:=OO_CheckMessageDisplayed())                                                                      |      |     |          |
| 44                          |       | [TCV_Res =FALSE]                                                                                           |      | (F) |          |

|    |                                                                                                                                                                                                                                                                                                                                                                                                |     |  |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--|
| 45 | [TCV_Res =TRUE]                                                                                                                                                                                                                                                                                                                                                                                |     |  |
| 46 | (TCV_Null:=OO_EmptyMessageStorage())                                                                                                                                                                                                                                                                                                                                                           |     |  |
|    | <b>ltree_part3</b>                                                                                                                                                                                                                                                                                                                                                                             |     |  |
| 47 | +ltree_PrepareEnvironmentParts3_4                                                                                                                                                                                                                                                                                                                                                              |     |  |
| 48 | +ltree_ClearSpeechChannel_SS                                                                                                                                                                                                                                                                                                                                                                   |     |  |
| 49 | +ltree_sms1(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                         |     |  |
| 50 | +ChanRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                            |     |  |
| 51 | (TCV_Res:=OO_CheckMessageDisplayed())                                                                                                                                                                                                                                                                                                                                                          |     |  |
| 52 | [TCV_Res =FALSE]                                                                                                                                                                                                                                                                                                                                                                               | (F) |  |
| 53 | [TCV_Res =TRUE]                                                                                                                                                                                                                                                                                                                                                                                |     |  |
| 54 | (TCV_Null:=OO_EmptyMessageStorage())                                                                                                                                                                                                                                                                                                                                                           |     |  |
|    | <b>ltree_part4</b>                                                                                                                                                                                                                                                                                                                                                                             |     |  |
| 55 | +ltree_PrepareEnvironmentParts3_4                                                                                                                                                                                                                                                                                                                                                              |     |  |
| 56 | START T_dly(15000)                                                                                                                                                                                                                                                                                                                                                                             |     |  |
| 57 | +ltree_ClearSpeechChannel_MS                                                                                                                                                                                                                                                                                                                                                                   |     |  |
| 58 | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                 |     |  |
| 59 | +ltree_sms1(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                         |     |  |
| 60 | +ChanRel(TCV_chTch)                                                                                                                                                                                                                                                                                                                                                                            |     |  |
| 61 | (TCV_Res:=OO_CheckMessageDisplayed())                                                                                                                                                                                                                                                                                                                                                          |     |  |
| 62 | [TCV_Res =FALSE]                                                                                                                                                                                                                                                                                                                                                                               | (F) |  |
| 63 | [TCV_Res =TRUE]                                                                                                                                                                                                                                                                                                                                                                                | (P) |  |
| 64 | (TCV_Null:=OO_EmptyMessageStorage())                                                                                                                                                                                                                                                                                                                                                           |     |  |
|    | <b>ltree_preamble</b>                                                                                                                                                                                                                                                                                                                                                                          |     |  |
| 65 | (TCV_Null:=OO_EmptyMessageStorage())                                                                                                                                                                                                                                                                                                                                                           |     |  |
| 66 | +Varinit_fixcommon                                                                                                                                                                                                                                                                                                                                                                             |     |  |
| 67 | (TCV_cellid:=C_CellA, TCV_ch:=OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, TCV_cellid), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, TCV_cellid), TCV_PgCh:= C_PCH_A_1, TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_ia_ts:= '000'B, TCV_asscmd_ts := TSPX_TmSltDef, TCV_RPOA_MT:= '1111111111'O, TCV_TPOA1:= '3333333333'O, TCV_Rpmr := '00'O, TCV_slot := C_S0, TCV_tsc := C_BCC) |     |  |
| 68 | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                |     |  |
| 69 | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                                                       |     |  |
| 70 | (TCV_chdescr_arfcn := 20, TCV_tchcarrier:= TSPX_TCHcarrierA)                                                                                                                                                                                                                                                                                                                                   |     |  |
| 71 | +PreEnterIdleState_Comb04( C_Immass, TCV_slot, TCV_tsc, 5,1, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                |     |  |
| 72 | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                     |     |  |
| 73 | (TCV_chdescr_arfcn := 590, TCV_tchcarrier:= TSPX_TCHcarrierA)                                                                                                                                                                                                                                                                                                                                  |     |  |
| 74 | +PreEnterIdleState_Comb04( C_Immass, TCV_slot, TCV_tsc, 5,1, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                |     |  |
|    | <b>ltree_PrepareEnvironmentPart1</b>                                                                                                                                                                                                                                                                                                                                                           |     |  |
| 75 | +RRmtcallprepare(TimingAdv_01)                                                                                                                                                                                                                                                                                                                                                                 |     |  |
| 76 | +ltree_set_sapi3_SDCCH                                                                                                                                                                                                                                                                                                                                                                         |     |  |
| 77 | (TCV_CPDDataRetx:=0, TCV_ti_v_2:= '000'B, TCV_chSms:=TCV_ch)                                                                                                                                                                                                                                                                                                                                   |     |  |

|     |                                                                      |                                                                                                                                |     |                                                      |
|-----|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------------------------|
| 78  | <b>Itree_PrepareEnvironmentPart2</b>                                 |                                                                                                                                |     |                                                      |
| 79  | +EstMsTermFullRateCallNonFH(TimingAdv_01)                            |                                                                                                                                |     |                                                      |
| 80  | (TCV_CPDDataRetx:=0, TCV_ti_v_2:='000'B,<br>TCV_chSms:=C_SACCHF_A_1) |                                                                                                                                |     |                                                      |
| 81  | +Itree_set_sapi3_SACCH                                               |                                                                                                                                |     |                                                      |
| 82  | <b>Itree_PrepareEnvironmentParts3_4</b>                              |                                                                                                                                |     |                                                      |
| 83  | +EstMsTermFullRateCallNonFH(TimingAdv_01)                            |                                                                                                                                |     |                                                      |
| 84  | (TCV_CPDDataRetx:=0, TCV_ti_v_2:='000'B,<br>TCV_chSms:=C_SACCHF_A_1) |                                                                                                                                |     |                                                      |
| 85  | +Itree_set_sapi3_SACCH                                               |                                                                                                                                |     |                                                      |
| 86  | <b>Itree_set_sapi3_SDCCH</b>                                         |                                                                                                                                |     |                                                      |
| 87  | L!DL_EstRq                                                           | DLEstRq_01(TCV_ch<br>)                                                                                                         |     | SABM(SAPI=3)                                         |
| 88  | L?DL_EstCo                                                           | DLEstCo_01(TCV_ch<br>)                                                                                                         |     | UA(SAPI=3)                                           |
| 89  | <b>Itree_set_sapi3_SACCH</b>                                         |                                                                                                                                |     |                                                      |
| 90  | L!DL_EstRq                                                           | DLEstRq_02(TCV_ch<br>Sms)                                                                                                      |     | SABM(SAPI=3)                                         |
| 91  | L?DL_EstCo                                                           | DLEstCo_02(TCV_ch<br>Sms)                                                                                                      |     | UA(SAPI=3)                                           |
| 92  | <b>Itree_ClearSpeechChannel_SS</b>                                   |                                                                                                                                |     |                                                      |
| 93  | L!DL_DatRqDisc                                                       | DiscSnd(TCV_chTch,<br>Disconn_07(TI_02))                                                                                       |     |                                                      |
| 94  | L?DL_DatInRel                                                        | ReleaseInd_03(TI_01<br>)                                                                                                       | (P) |                                                      |
| 95  | LIDL_DatRqRelCmp                                                     | RelCmpRq_05(TI_02,<br>TCV_chTch)                                                                                               |     |                                                      |
| 96  | <b>Itree_ClearSpeechChannel_MS</b>                                   |                                                                                                                                |     |                                                      |
| 97  | L?DL_DatInRel                                                        | ReleaseInd_03(TI_01<br>)                                                                                                       | (P) |                                                      |
| 98  | LIDL_DatRqRelCmp                                                     | RelCmpRq_05(TI_02,<br>TCV_chTch)                                                                                               |     |                                                      |
| 99  | <b>Itree_sms1(ch: LOGICCH)</b>                                       |                                                                                                                                |     |                                                      |
| 100 | +Itree_sms2(ch)                                                      |                                                                                                                                |     |                                                      |
| 101 | L!DL_DatRqCpDataAck                                                  | DatRqCpDataAck(Cp<br>DataAckPdu_02(TCV<br>_ti_v_2),<br>TCV_chSms)                                                              |     | CP-ACK n->ms                                         |
| 102 | <b>Itree_sms2(ch: LOGICCH)</b>                                       |                                                                                                                                |     |                                                      |
| 103 | L!DL_DatRqCpData                                                     | DatRqCpData(CpDat<br>aPdu_01(TCV_ti_v_2,<br>CpData_01(TCV_TP<br>OA1,<br>TCV_RPOA_MT,<br>TCV_Rpmr,<br>C_Tzone0)),<br>TCV_chSms) |     | CP-DATA including RP-<br>Data(SMS DELIVER) n-<br>>ms |
| 104 | START T_dly(25000)                                                   |                                                                                                                                |     |                                                      |
| 105 | ?TIMEOUT T_dly                                                       |                                                                                                                                | (F) |                                                      |
| 106 | +ChanRel(ch)                                                         |                                                                                                                                |     |                                                      |
| 107 | L?DL_DatInCpDataAck                                                  | DatInCpDataAck(CpD<br>ataAckPdu_01(TCV_t<br>i_v_2))                                                                            |     | CP-ACK ms->n                                         |
| 108 | CANCEL T_dly                                                         |                                                                                                                                |     |                                                      |
| 109 | START T_dly(60000)                                                   |                                                                                                                                |     |                                                      |
| 110 | ?TIMEOUT T_dly                                                       |                                                                                                                                | (F) |                                                      |
| 111 | +ChanRel(ch)                                                         |                                                                                                                                |     |                                                      |
| 112 | L?DL_DatInCpData                                                     | DatInCpData(CpData<br>Pdu_02(TCV_ti_v_2,<br>CpData_02(TCV_Rp<br>mr)))                                                          |     | CP-DATA including RP-<br>Ack ms->n                   |

|                                                                           |                                                                  |                                                              |     |                                                             |
|---------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------|-----|-------------------------------------------------------------|
| 105                                                                       | CANCEL T_dly                                                     |                                                              |     |                                                             |
|                                                                           | <b>ltree_sms3(ch: LOGICCH)</b>                                   |                                                              |     |                                                             |
| 106                                                                       | +ltree_sms2(ch)                                                  |                                                              |     |                                                             |
| 107                                                                       | START T_dly(C_T_TwiceTC1M)                                       |                                                              |     |                                                             |
| 108                                                                       | ?TIMEOUT T_dly                                                   |                                                              | (F) | First CP-DATA(Rp-Ack) not acknowledged                      |
| 109                                                                       | +ChanRel(ch)                                                     |                                                              |     |                                                             |
| 110                                                                       | L?DL_DatInCpData                                                 | DatInCpData(CpData Pdu_02(TCV_ti_v_2, CpData_02(TCV_Rp mr))) |     | CP-DATA(RP-Ack) retransmitted                               |
| 111                                                                       | CANCEL T_dly                                                     |                                                              |     |                                                             |
| 112                                                                       | L!DL_DatRqCpDataAck                                              | DatRqCpDataAck(Cp DataAckPdu_02(TCV_ti_v_2), TCV_chSms)      |     | Second CP-DATA(Rp-Ack) acknowledged                         |
|                                                                           | <b>ltree_sms4(ch: LOGICCH; time: INTEGER)</b>                    |                                                              |     |                                                             |
| 113                                                                       | +ltree_sms2(ch)                                                  |                                                              |     |                                                             |
| 114                                                                       | REPEAT ltree_sms5(ch) UNTIL [TCV_CPDDataRetx=TSPX_MaxCPDataRetx] |                                                              |     | CP-DATA(RP-Ack) retransmitted                               |
| 115                                                                       | START T_dly(((TSPX_TC1M + time) * 1000))                         |                                                              |     |                                                             |
| 116                                                                       | L?DL_DatInCpData                                                 | DatInCpData(CpData Pdu_02(TCV_ti_v_2, CpData_02(TCV_Rp mr))) | (F) | RP-Ack shall not be sent more than TSPX_MaxCPDataRetx times |
| 117                                                                       | CANCEL T_dly                                                     |                                                              |     |                                                             |
| 118                                                                       | +ChanRel(ch)                                                     |                                                              |     |                                                             |
| 119                                                                       | ?TIMEOUT T_dly                                                   |                                                              | (P) |                                                             |
|                                                                           | <b>ltree_sms5(ch: LOGICCH)</b>                                   |                                                              |     |                                                             |
| 120                                                                       | START T_dly(C_T_TwiceTC1M)                                       |                                                              |     |                                                             |
| 121                                                                       | ?TIMEOUT T_dly                                                   |                                                              | (F) |                                                             |
| 122                                                                       | +ChanRel(ch)                                                     |                                                              |     |                                                             |
| 123                                                                       | L?DL_DatInCpData                                                 | DatInCpData(CpData Pdu_02(TCV_ti_v_2, CpData_02(TCV_Rp mr))) |     | CP-DATA (RP-Ack) ms->n                                      |
| 124                                                                       | (TCV_CPDDataRetx:=TCV_CPDDataRetx + 1)                           |                                                              |     |                                                             |
| 125                                                                       | CANCEL T_dly                                                     |                                                              |     |                                                             |
| <b>Detailed Comments:</b>                                                 |                                                                  |                                                              |     |                                                             |
| 1: Parts a) to f) of the test procedure as described in GSM 11.10, 34.2.1 |                                                                  |                                                              |     |                                                             |
| 2: Parts g) to j) of the test procedure as described in GSM 11.10, 34.2.1 |                                                                  |                                                              |     |                                                             |
| 3: Part k) of the test procedure as described in GSM 11.10, 34.2.1        |                                                                  |                                                              |     |                                                             |
| 4: Part l) of the test procedure as described in GSM 11.10, 34.2.1        |                                                                  |                                                              |     |                                                             |



| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                              |                                          |     |                                                                                              |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----|----------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b>      |       | TC_34_2_2                                                                                                                                                                                                                                                                                                                                                                                                    |                                          |     |                                                                                              |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/SM/                                                                                                                                                                                                                                                                                                                                                                                          |                                          |     |                                                                                              |
| <b>Purpose:</b>             |       | To verify the MS ability to correctly send a short message where the SMS is provided for the point to point service. It also verifies the MS capability to simultaneously receive a network originated SM whilst sending a mobile originated SM.                                                                                                                                                             |                                          |     |                                                                                              |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                              |                                          |     |                                                                                              |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                        | CRef                                     | V   | Comments                                                                                     |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                           |                                          |     |                                                                                              |
| 2                           |       | +ltree_preamble                                                                                                                                                                                                                                                                                                                                                                                              |                                          |     |                                                                                              |
| 3                           | body  | +ltree_part1                                                                                                                                                                                                                                                                                                                                                                                                 |                                          |     | 1                                                                                            |
| 4                           |       | +ltree_part2                                                                                                                                                                                                                                                                                                                                                                                                 |                                          |     | 2                                                                                            |
| 5                           |       | +ltree_part3                                                                                                                                                                                                                                                                                                                                                                                                 |                                          |     | 3                                                                                            |
| 6                           |       | +ltree_part4                                                                                                                                                                                                                                                                                                                                                                                                 |                                          |     | 4                                                                                            |
|                             |       | <b>ltree_preamble</b>                                                                                                                                                                                                                                                                                                                                                                                        |                                          |     |                                                                                              |
| 7                           |       | (TCV_Null:=OO_EmptyMessageStorage())                                                                                                                                                                                                                                                                                                                                                                         |                                          |     |                                                                                              |
| 8                           |       | +Varinit_fixcommon                                                                                                                                                                                                                                                                                                                                                                                           |                                          |     |                                                                                              |
| 9                           |       | (TCV_cellid:=C_CellA, TCV_ch:=<br>OC_SubchOfSdcch4( TSPX_SDCCH4SubDef,<br>TCV_cellid), TCV_sacch := OC_SubchOfSacch4(<br>TSPX_SDCCH4SubDef, TCV_cellid),<br>TCV_PgCh:= C_PCH_A_1, TCV_chTch :=<br>C_FACCHF_A_1, TCV_sacchTch :=<br>C_SACCHF_A_1, TCV_ia_ts:= '000'B,<br>TCV_asscmd_ts := TSPX_TmSltDef,<br>TCV_RPOA_MT:= '1111111111'O,<br>TCV_TPOA1:= '5555555555'O, TCV_slot :=<br>C_S0, TCV_tsc := C_BCC) |                                          |     |                                                                                              |
| 10                          |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot,<br>TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B,<br>'00'O)                                                                                                                                                                                                                                                                                                        |                                          |     |                                                                                              |
| 11                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                                                                     |                                          |     |                                                                                              |
| 12                          |       | (TCV_chdescr_arfcn := 20,<br>TCV_tchcarrier:= TSPX_TCHcarrierA)                                                                                                                                                                                                                                                                                                                                              |                                          |     |                                                                                              |
| 13                          |       | +PreEnterIdleState_Comb04( C_Immass,<br>TCV_slot, TCV_tsc, 5, 1, 0, C_Ass,<br>TSPX_TmSltDef, TSPX_TscDef,<br>TimingAdv_01, '000'B, '001'B, '011'B,<br>'00'O)                                                                                                                                                                                                                                                 |                                          |     |                                                                                              |
| 14                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                                   |                                          |     |                                                                                              |
| 15                          |       | (TCV_chdescr_arfcn := 590,<br>TCV_tchcarrier:= TSPX_TCHcarrierA)                                                                                                                                                                                                                                                                                                                                             |                                          |     |                                                                                              |
| 16                          |       | +PreEnterIdleState_Comb04( C_Immass,<br>TCV_slot, TCV_tsc, 5, 1, 0, C_Ass,<br>TSPX_TmSltDef, TSPX_TscDef,<br>TimingAdv_01, '000'B, '001'B, '011'B,<br>'00'O)                                                                                                                                                                                                                                                 |                                          |     |                                                                                              |
|                             |       | <b>ltree_part1</b>                                                                                                                                                                                                                                                                                                                                                                                           |                                          |     |                                                                                              |
| 17                          |       | +ltree_PrepareEnvironmentParts1_3                                                                                                                                                                                                                                                                                                                                                                            |                                          |     |                                                                                              |
| 18                          |       | +ltree_sms1                                                                                                                                                                                                                                                                                                                                                                                                  |                                          |     | Initiate MO-SM                                                                               |
| 19                          |       | +ltree_sms2(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                          |                                          |     | Terminate MO-SM                                                                              |
| 20                          |       | +ChanRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                             |                                          |     |                                                                                              |
| 21                          |       | +ltree_PrepareEnvironmentParts1_3                                                                                                                                                                                                                                                                                                                                                                            |                                          |     |                                                                                              |
| 22                          |       | +ltree_sms1                                                                                                                                                                                                                                                                                                                                                                                                  |                                          |     | Initiate MO-SM                                                                               |
| 23                          |       | REPEAT ltree_sms3(TCV_ch) UNTIL<br>[TCV_CPDataRetx=TSPX_MaxCPDataR<br>etx]                                                                                                                                                                                                                                                                                                                                   |                                          |     | MO-SM is retransmitted                                                                       |
| 24                          |       | START T_dly(((TSPX_TC1M + 5) *<br>1000))                                                                                                                                                                                                                                                                                                                                                                     |                                          |     |                                                                                              |
| 25                          |       | L?DL_DatInCpData(TCV_Rpmr :=<br>DL_DatInCpData.msg.CPdata.rpdata.<br>rpmr,<br>TCV_ti_v:=DL_DatInCpData.msg.ti_t<br>v)                                                                                                                                                                                                                                                                                        | DatInCpData(CpData<br>Pdu_03(CpData_03)) | (F) | RP-Data(RP Data SMS<br>SUBMIT) shall NOT be<br>sent more than<br>TSPX_MaxCPDataRetx<br>times |
| 26                          |       | +ChanRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                             |                                          |     |                                                                                              |
| 27                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                                                                                                                                               |                                          |     |                                                                                              |
| 28                          |       | +ChanRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                                             |                                          |     |                                                                                              |

|    |                                                                                                           |                                                                                 |                                                                                      |
|----|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 29 | +ltree_PrepareEnvironmentParts1_3                                                                         |                                                                                 |                                                                                      |
| 30 | +ltree_sms1                                                                                               |                                                                                 | Initiate MO-SM                                                                       |
| 31 | +ltree_sms4                                                                                               |                                                                                 | CP-Error                                                                             |
| 32 | +ChanRel(TCV_ch)                                                                                          |                                                                                 |                                                                                      |
|    | <b>ltree_part2</b>                                                                                        |                                                                                 |                                                                                      |
| 33 | +ltree_PrepareEnvironmentPart2                                                                            |                                                                                 |                                                                                      |
| 34 | +ltree_sms1                                                                                               |                                                                                 | Initiate MO-SM                                                                       |
| 35 | +ltree_sms2(TCV_chTch)                                                                                    |                                                                                 | Terminate MO-SM                                                                      |
| 36 | +ChanRel(TCV_chTch)                                                                                       |                                                                                 |                                                                                      |
| 37 | +ltree_PrepareEnvironmentPart2                                                                            |                                                                                 |                                                                                      |
| 38 | +ltree_sms1                                                                                               |                                                                                 | Initiate MO-SM                                                                       |
| 39 | REPEAT ltree_sms3(TCV_chTch) UNTIL<br>[TCV_CPDDataRetx=TSPX_MaxCPDataRetx]                                |                                                                                 | MO-SM is retransmitted                                                               |
| 40 | START T_dly(((TSPX_TC1M + 15) * 1000))                                                                    |                                                                                 |                                                                                      |
| 41 | L?DL_DatInCpData(TCV_Rpmr := DL_DatInCpData.msg.CPdata.rpdata.rpmr,<br>TCV_ti_v:=DL_DatInCpData.msg.ti.v) | DatInCpData(CpData Pdu_03(CpData_03))                                           | (F) RP-Data(RP Data SMS SUBMIT) shall NOT be sent more than TSPX_MaxCPDataRetx times |
| 42 | +ChanRel(TCV_chTch)                                                                                       |                                                                                 |                                                                                      |
| 43 | ?TIMEOUT T_dly                                                                                            |                                                                                 |                                                                                      |
| 44 | +ChanRel(TCV_chTch)                                                                                       |                                                                                 |                                                                                      |
|    | <b>ltree_part3</b>                                                                                        |                                                                                 |                                                                                      |
| 45 | +ltree_PrepareEnvironmentParts1_3                                                                         |                                                                                 |                                                                                      |
| 46 | +ltree_sms1                                                                                               |                                                                                 | Initiate MO-SM                                                                       |
| 47 | +ltree_sms5                                                                                               |                                                                                 | MT-SM                                                                                |
| 48 | +ltree_sms2(TCV_ch)                                                                                       |                                                                                 | Terminate MO-SM                                                                      |
| 49 | +ChanRel(TCV_ch)                                                                                          |                                                                                 |                                                                                      |
| 50 | (TCV_Res:=OO_CheckMessageDisplayed())                                                                     |                                                                                 |                                                                                      |
| 51 | [TCV_Res =FALSE]                                                                                          |                                                                                 | (F)                                                                                  |
| 52 | [TCV_Res =TRUE]                                                                                           |                                                                                 |                                                                                      |
|    | <b>ltree_part4</b>                                                                                        |                                                                                 |                                                                                      |
| 53 | +ltree_PrepareEnvironmentPart4                                                                            |                                                                                 |                                                                                      |
| 54 | +ChanRel_end(TCV_ch)                                                                                      |                                                                                 |                                                                                      |
|    | <b>ltree_PrepareEnvironmentParts1_3</b>                                                                   |                                                                                 |                                                                                      |
| 55 | (TCV_Null:=OO_SendMOShortMessage())                                                                       |                                                                                 |                                                                                      |
| 56 | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                              | ChReq_03                                                                        |                                                                                      |
| 57 | ACTIVATE(OtherEventsFail_02)                                                                              |                                                                                 | To match ChReq retrans.                                                              |
| 58 | LIDL_UdatRqImm                                                                                            | ImmAss_25(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, TimingAdv_01) |                                                                                      |
| 59 | ACTIVATE(OtherEventsFail)                                                                                 |                                                                                 | Restore normal default tree                                                          |
| 60 | L?DL_EstInCmsRq                                                                                           | CmsReq_09                                                                       |                                                                                      |
| 61 | +Authentication(TCV_ch, TCV_cks)                                                                          |                                                                                 |                                                                                      |
| 62 | +Ciphering_on(TCV_ch)                                                                                     |                                                                                 |                                                                                      |
| 63 | +ltree_set_sapi3_SDCCH                                                                                    |                                                                                 |                                                                                      |
| 64 | (TCV_CPDDataRetx:=0,<br>TCV_chSms:=TCV_ch)                                                                |                                                                                 |                                                                                      |
|    | <b>ltree_PrepareEnvironmentPart2</b>                                                                      |                                                                                 |                                                                                      |
| 65 | +EstMsTermFullRateCallNonFH(TimingAdv_01)                                                                 |                                                                                 |                                                                                      |
| 66 | (TCV_Null:=OO_SendMOShortMessage())                                                                       |                                                                                 |                                                                                      |
| 67 | L?DL_EstInCmsRq                                                                                           | CmsReq_09                                                                       |                                                                                      |
| 68 | LIDL_DatRqCmsAcp                                                                                          | CmsReq_01(TCV_chTch)                                                            |                                                                                      |
| 69 | +ltree_set_sapi3_SACCH                                                                                    |                                                                                 |                                                                                      |

|    |                                                                                                                                   |                                                                                                                                |                                        |
|----|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| 70 | (TCV_CPDDataRetx:=0,<br>TCV_chSms:=C_SACCHF_A_1)                                                                                  |                                                                                                                                |                                        |
| 71 | <b>Itree_PrepareEnvironmentPart4</b><br>(TCV_Null:=OO_SendMOShortMessage())                                                       |                                                                                                                                |                                        |
| 72 | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                  | ChReq_03                                                                                                                       |                                        |
| 73 | ACTIVATE(OtherEventsFail_02)                                                                                                      |                                                                                                                                | To match ChReq retrans.                |
| 74 | LIDL_UdatRqImmss                                                                                                                  | ImmAss_25(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>TimingAdv_01)                                    |                                        |
| 75 | L?DL_EstInCmsRq                                                                                                                   | CmserReq_09                                                                                                                    |                                        |
| 76 | ACTIVATE(OtherEventsFail)                                                                                                         |                                                                                                                                | Restore normal default<br>tree         |
| 77 | LIDL_DatRqCmsRej                                                                                                                  | CmserRej_03(TCV_c<br>h)                                                                                                        | Service Option not<br>supported        |
| 78 | START T_dly(5000)                                                                                                                 |                                                                                                                                |                                        |
| 79 | ?TIMEOUT T_dly                                                                                                                    |                                                                                                                                |                                        |
| 80 | +ChanRel(TCV_ch)                                                                                                                  |                                                                                                                                |                                        |
| 81 | +Itree_set_sapi3_SDCCH_inv                                                                                                        |                                                                                                                                | SAPI-3 shall NOT be<br>established     |
| 82 | <b>Itree_sms1</b><br>L?DL_DatInCpData(TCV_Rpmr :=<br>DL_DatInCpData.msg.CPdata.rpdata.rpmr,<br>TCV_ti_v:=DL_DatInCpData.msg.ti.v) | DatInCpData(CpData<br>Pdu_03(CpData_03))                                                                                       | CP-DATA(RP-Data SMS<br>SUBMIT)         |
| 83 | <b>Itree_sms2(ch: LOGICCH)</b><br>LIDL_DatRqCpDataAck                                                                             | DatRqCpDataAck(Cp<br>DataAckPdu_01(TCV<br>_ti_v), TCV_chSms)                                                                   | CP-ACK n->ms                           |
| 84 | LIDL_DatRqCpData                                                                                                                  | DatRqCpData(CpDat<br>aPdu_02(TCV_ti_v,C<br>pData_04(TCV_Rpmr<br>)), TCV_chSms)                                                 | CP-DATA(RP-Ack) n-<br>>ms              |
| 85 | START T_dly(25000)                                                                                                                |                                                                                                                                |                                        |
| 86 | ?TIMEOUT T_dly                                                                                                                    |                                                                                                                                | (F)                                    |
| 87 | +ChanRel(ch)                                                                                                                      |                                                                                                                                |                                        |
| 88 | L?DL_DatInCpDataAck                                                                                                               | DatInCpDataAck(CpD<br>ataAckPdu_02(TCV_t<br>i_v))                                                                              | CP-ACK ms->n                           |
| 89 | CANCEL T_dly                                                                                                                      |                                                                                                                                |                                        |
| 90 | <b>Itree_sms3(ch: LOGICCH)</b><br>START T_dly(C_T_TwiceTC1M)                                                                      |                                                                                                                                |                                        |
| 91 | ?TIMEOUT T_dly                                                                                                                    |                                                                                                                                | (F)                                    |
| 92 | +ChanRel(ch)                                                                                                                      |                                                                                                                                |                                        |
| 93 | +Itree_sms1                                                                                                                       |                                                                                                                                |                                        |
| 94 | (TCV_CPDDataRetx:=TCV_CPDDataRetx + 1)                                                                                            |                                                                                                                                |                                        |
| 95 | CANCEL T_dly                                                                                                                      |                                                                                                                                |                                        |
| 96 | <b>Itree_sms4</b><br>LIDL_DatRqCpError                                                                                            | DatRqCpError_01(Cp<br>ErrPdu_01(TCV_ti_v),<br>TCV_chSms)                                                                       | CP error n->ms "Network<br>Failure"    |
| 97 | <b>Itree_sms5</b><br>[TCV_ti_v='000'B]                                                                                            |                                                                                                                                |                                        |
| 98 | (TCV_ti_v_2:='001'B)                                                                                                              |                                                                                                                                |                                        |
| 99 | LIDL_DatRqCpData                                                                                                                  | DatRqCpData(CpDat<br>aPdu_01(TCV_ti_v_2,<br>CpData_01(TCV_TP<br>OA1,<br>TCV_RPOA_MT,<br>TCV_Rpmr,<br>C_Tzone1)),<br>TCV_chSms) | CP-DATA(RP-Data SMS<br>DELIVER), n->ms |

|                                                                             |                                                |                                                                                                         |     |                                     |
|-----------------------------------------------------------------------------|------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----|-------------------------------------|
| 100                                                                         | START T_dly(25000)                             |                                                                                                         |     |                                     |
| 101                                                                         | ?TIMEOUT T_dly                                 |                                                                                                         | (F) |                                     |
| 102                                                                         | +ChanRel(TCV_ch)                               |                                                                                                         |     |                                     |
| 103                                                                         | L?DL_DatInCpDataAck                            | DatInCpDataAck(CpDataAckPdu_01(TCV_ti_v_2))                                                             |     | CP-ACK ms->n                        |
| 104                                                                         | CANCEL T_dly                                   |                                                                                                         |     |                                     |
| 105                                                                         | START T_dly(60000)                             |                                                                                                         |     |                                     |
| 106                                                                         | ?TIMEOUT T_dly                                 |                                                                                                         | (F) |                                     |
| 107                                                                         | +ChanRel(TCV_ch)                               |                                                                                                         |     |                                     |
| 108                                                                         | L?DL_DatInCpData                               | DatInCpData(CpDataPdu_02(TCV_ti_v_2, CpData_02(TCV_Rpmr)))                                              |     | CP-DATA(RP-Ack) n->ms               |
| 109                                                                         | CANCEL T_dly                                   |                                                                                                         |     |                                     |
| 110                                                                         | LIDL_DatRqCpDataAck                            | DatRqCpDataAck(CpDataAckPdu_02(TCV_ti_v_2), TCV_chSms)                                                  |     |                                     |
| 111                                                                         | [NOT(TCV_ti_v='000'B)]                         |                                                                                                         |     |                                     |
| 112                                                                         | (TCV_ti_v_2:='000'B)                           |                                                                                                         |     |                                     |
| 113                                                                         | LIDL_DatRqCpData                               | DatRqCpData(CpDataPdu_01(TCV_ti_v_2, CpData_01(TCV_TPOA1, TCV_RPOA_MT, TCV_Rpmr, C_Tzone1)), TCV_chSms) |     | CP-DATA(RP-Data SMS DELIVER), n->ms |
| 114                                                                         | START T_dly(25000)                             |                                                                                                         |     |                                     |
| 115                                                                         | ?TIMEOUT T_dly                                 |                                                                                                         | (F) |                                     |
| 116                                                                         | +ChanRel(TCV_ch)                               |                                                                                                         |     |                                     |
| 117                                                                         | L?DL_DatInCpDataAck                            | DatInCpDataAck(CpDataAckPdu_01(TCV_ti_v_2))                                                             |     | CP-ACK ms->n                        |
| 118                                                                         | CANCEL T_dly                                   |                                                                                                         |     |                                     |
| 119                                                                         | START T_dly(60000)                             |                                                                                                         |     |                                     |
| 120                                                                         | ?TIMEOUT T_dly                                 |                                                                                                         | (F) |                                     |
| 121                                                                         | +ChanRel(TCV_ch)                               |                                                                                                         |     |                                     |
| 122                                                                         | L?DL_DatInCpData                               | DatInCpData(CpDataPdu_02(TCV_ti_v_2, CpData_02(TCV_Rpmr)))                                              |     | CP-DATA(RP-Ack) ms->n               |
| 123                                                                         | CANCEL T_dly                                   |                                                                                                         |     |                                     |
| 124                                                                         | LIDL_DatRqCpDataAck                            | DatRqCpDataAck(CpDataAckPdu_02(TCV_ti_v_2), TCV_chSms)                                                  |     | CP-ACK n->ms                        |
| 125                                                                         | <b>Itree_set_sapi3_SDCCH</b><br>L?DL_EstIn     | DLEstInd_02                                                                                             |     |                                     |
| 126                                                                         | <b>Itree_set_sapi3_SDCCH_inv</b><br>L?DL_EstIn | DLEstInd_02                                                                                             | (F) | SAPI-3 shall NOT be established     |
| 127                                                                         | +ChanRel(TCV_ch)                               |                                                                                                         |     |                                     |
| 128                                                                         | <b>Itree_set_sapi3_SACCH</b><br>L?DL_EstIn     | DLEstInd_02                                                                                             |     |                                     |
| <b>Detailed Comments:</b>                                                   |                                                |                                                                                                         |     |                                     |
| 1: Parts a) to f) of the test procedure as described in GSM 11.10, 34.2.2.3 |                                                |                                                                                                         |     |                                     |
| 2: Parts g) to i) of the test procedure as described in GSM 11.10, 34.2.2.3 |                                                |                                                                                                         |     |                                     |
| 3: Part j) of the test procedure as described in GSM 11.10, 34.2.2.3        |                                                |                                                                                                         |     |                                     |
| 4: Part k) of the test procedure as described in GSM 11.10, 34.2.2.3        |                                                |                                                                                                         |     |                                     |

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Case Name:</b>      |       | TC_34_2_3                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/SM/                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |   |          |
| <b>Purpose:</b>             |       | 1. To verify that the MS sends the correct acknowledgement when its memory in the SIM becomes full.<br>2. To verify that the MS sends the correct acknowledgement when its memory in the ME and the SIM becomes full, and sets the "memory exceeded" notification flag in the SIM.<br>3. To verify that the MS performs the "memory available" procedure when its message store becomes available for receiving short messages, and only at this moment. |      |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                    | CRef | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 2                           |       | +ltree_preamble                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |   |          |
| 3                           | body  | +ltree_part1                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |   | 1        |
| 4                           |       | +ltree_part2                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |   | 2        |
| 5                           |       | +ltree_part3                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |   | 3        |
| 6                           |       | +ltree_part4                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |   | 4        |
| <b>ltree_preamble</b>       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |   |          |
| 7                           |       | (TCV_Null:=OO_EmptyMessageStorage())                                                                                                                                                                                                                                                                                                                                                                                                                     |      |   |          |
| 8                           |       | (TCV_Null:=OO_MSSetupStoreClass1SMInMEMEmory())                                                                                                                                                                                                                                                                                                                                                                                                          |      |   |          |
| 9                           |       | (TCV_Null:=OO_ConnectSIMSimulator())                                                                                                                                                                                                                                                                                                                                                                                                                     |      |   |          |
| 10                          |       | +Varinit_fixcommon                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 11                          |       | (TCV_cellid:=C_CellA, TCV_ch:=OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, TCV_cellid), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, TCV_cellid), TCV_PgCh:= C_PCH_A_1, TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_ia_ts:= '000'B, TCV_RPOA_MT:='1111111111'O, TCV_TPOA1:='3333333333'O, TCV_Rpmr:='00'O, TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                               |      |   |          |
| 12                          |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                                                                          |      |   |          |
| 13                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |   |          |
| 14                          |       | (TCV_chdescr_arfcn := 20)                                                                                                                                                                                                                                                                                                                                                                                                                                |      |   |          |
| 15                          |       | +PreEnterIdleState_Comb04(C_Immass, TCV_slot, TCV_tsc, 5,1, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                           |      |   |          |
| 16                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |   |          |
| 17                          |       | (TCV_chdescr_arfcn := 590)                                                                                                                                                                                                                                                                                                                                                                                                                               |      |   |          |
| 18                          |       | +PreEnterIdleState_Comb04(C_Immass, TCV_slot, TCV_tsc, 5,1, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                                                                           |      |   |          |
| <b>ltree_part1</b>          |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |   |          |
| 19                          |       | (TCV_ProtErrorUnspec:=FALSE, TCV_MemCapExcd:=FALSE)                                                                                                                                                                                                                                                                                                                                                                                                      |      |   |          |
| 20                          |       | REPEAT ltree_sms1 UNTIL [(TCV_ProtErrorUnspec) OR(TCV_MemCapExcd)]                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| <b>ltree_part2</b>          |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |   |          |
| 21                          |       | (TCV_MemCapExcd:=FALSE)                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |   |          |
| 22                          |       | REPEAT ltree_sms2 UNTIL [TCV_MemCapExcd]                                                                                                                                                                                                                                                                                                                                                                                                                 |      |   |          |
| <b>ltree_part3</b>          |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |   |          |
| 23                          |       | +ltree_sms3                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |   |          |
| <b>ltree_part4</b>          |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |   |          |

|    |                                                                                  |                                                                                                                            |                                                   |
|----|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| 24 | +ltree_sms4                                                                      |                                                                                                                            |                                                   |
|    | <b>ltree_PrepareEnvironmentParts1_2_3</b>                                        |                                                                                                                            |                                                   |
| 25 | +RRmtcallprepare(TimingAdv_01)                                                   |                                                                                                                            |                                                   |
| 26 | +ltree_set_sapi3_SDCCH_MT                                                        |                                                                                                                            |                                                   |
| 27 | (TCV_ti_v_2:='000'B, TCV_chSms:=TCV_ch)                                          |                                                                                                                            |                                                   |
|    | <b>ltree_PrepareEnvironmentPart4</b>                                             |                                                                                                                            |                                                   |
| 28 | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn) | ChReq_03                                                                                                                   |                                                   |
| 29 | ACTIVATE(OtherEventsFail_02)                                                     |                                                                                                                            | To match ChReq retrans.                           |
| 30 | LIDL_UdatRqImmass                                                                | ImmAss_25(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>TimingAdv_01)                                |                                                   |
| 31 | L?DL_EstInCmsRq                                                                  | CmsReq_09                                                                                                                  |                                                   |
| 32 | ACTIVATE(OtherEventsFail)                                                        |                                                                                                                            | Restore normal default tree                       |
| 33 | +Authentication(TCV_ch, TCV_cksn)                                                |                                                                                                                            |                                                   |
| 34 | +Cipherring_on(TCV_ch)                                                           |                                                                                                                            |                                                   |
| 35 | +ltree_set_sapi3_SDCCH_MO                                                        |                                                                                                                            |                                                   |
| 36 | (TCV_chSms:=TCV_ch)                                                              |                                                                                                                            |                                                   |
|    | <b>ltree_sms1</b>                                                                |                                                                                                                            |                                                   |
| 37 | +ltree_PrepareEnvironmentParts1_2_3                                              |                                                                                                                            |                                                   |
| 38 | LIDL_DatRqCpData                                                                 | DatRqCpData(CpDataPdu_01(TCV_ti_v_2,<br>CpData_05(TCV_TP<br>OA1,<br>TCV_RPOA_MT,<br>TCV_Rpmr,<br>C_Tzone2)),<br>TCV_chSms) | CP-DATA(RP-Data SMS DELIVER), n->ms class 2 MT-SM |
| 39 | START T_dly(25000)                                                               |                                                                                                                            |                                                   |
| 40 | ?TIMEOUT T_dly                                                                   |                                                                                                                            | (F)                                               |
| 41 | +ChanRel(TCV_ch)                                                                 |                                                                                                                            |                                                   |
| 42 | L?DL_DatInCpDataAck                                                              | DatInCpDataAck(CpDataAckPdu_01(TCV_ti_v_2))                                                                                | CP-ACK ms->n                                      |
| 43 | CANCEL T_dly                                                                     |                                                                                                                            |                                                   |
| 44 | START T_dly(60000)                                                               |                                                                                                                            |                                                   |
| 45 | ?TIMEOUT T_dly                                                                   |                                                                                                                            | (F)                                               |
| 46 | +ChanRel(TCV_ch)                                                                 |                                                                                                                            |                                                   |
| 47 | L?DL_DatInCpData                                                                 | DatInCpData(CpDataPdu_02(TCV_ti_v_2,<br>CpData_02(TCV_Rpmr)))                                                              | CP-DATA(RP-Ack) ms->n                             |
| 48 | CANCEL T_dly                                                                     |                                                                                                                            |                                                   |
| 49 | LIDL_DatRqCpDataAck                                                              | DatRqCpDataAck(CpDataAckPdu_02(TCV_ti_v_2),<br>TCV_chSms)                                                                  | CP-ACK n->ms                                      |
| 50 | +ChanRel(TCV_ch)                                                                 |                                                                                                                            |                                                   |
| 51 | L?DL_DatInCpData                                                                 | DatInCpData(CpDataPdu_02(TCV_ti_v_2,<br>CpData_07(TCV_Rpmr)))                                                              | CP-DATA(RP-Error: Protocol Error, unspecified)    |
| 52 | CANCEL T_dly                                                                     |                                                                                                                            |                                                   |
| 53 | LIDL_DatRqCpDataAck                                                              | DatRqCpDataAck(CpDataAckPdu_02(TCV_ti_v_2),<br>TCV_chSms)                                                                  | CP-ACK n->ms                                      |
| 54 | (TCV_ProtErrorUnspec:=TRUE)                                                      |                                                                                                                            | SMS storage in SIM full                           |
| 55 | +ChanRel(TCV_ch)                                                                 |                                                                                                                            |                                                   |
| 56 | L?DL_DatInCpData                                                                 | DatInCpData(CpDataPdu_02(TCV_ti_v_2,<br>CpData_08(TCV_Rpmr)))                                                              | CP-DATA(RP-Error: Memory Capacity Exceeded)       |
| 57 | CANCEL T_dly                                                                     |                                                                                                                            |                                                   |

|                   |                                     |                                                                                                          |                                                    |
|-------------------|-------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| 58                | LIDL_DatRqCpDataAck                 | DatRqCpDataAck(CpDataAckPdu_02(TCV_ti_v_2), TCV_chSms)                                                   | CP-ACK n->ms                                       |
| 59                | (TCV_MemCapExcd:=TRUE)              |                                                                                                          | SMS storage in ME + SIM full                       |
| 60                | +ChanRel(TCV_ch)                    |                                                                                                          |                                                    |
| 61                | (TCV_Res:=OO_CheckMCEFO nSIM())     |                                                                                                          |                                                    |
| 62                | [TCV_Res =FALSE]                    | (F)                                                                                                      |                                                    |
| 63                | [TCV_Res =TRUE]                     |                                                                                                          |                                                    |
| <b>Itree_sms2</b> |                                     |                                                                                                          |                                                    |
| 64                | +Itree_PrepareEnvironmentParts1_2_3 |                                                                                                          |                                                    |
| 65                | LIDL_DatRqCpData                    | DatRqCpData(CpDataPdu_01(TCV_ti_v_2, CpData_06(TCV_TP OA1, TCV_RPOA_MT, TCV_Rpmr, C_Tzone2)), TCV_chSms) | CP-DATA(RP-Data SMS DELIVER), n->ms, class 1 MT-SM |
| 66                | START T_dly(25000)                  |                                                                                                          |                                                    |
| 67                | ?TIMEOUT T_dly                      | (F)                                                                                                      |                                                    |
| 68                | +ChanRel(TCV_ch)                    |                                                                                                          |                                                    |
| 69                | L?DL_DatInCpDataAck                 | DatInCpDataAck(CpDataAckPdu_01(TCV_ti_v_2))                                                              | CP-ACK ms->n                                       |
| 70                | CANCEL T_dly                        |                                                                                                          |                                                    |
| 71                | START T_dly(60000)                  |                                                                                                          |                                                    |
| 72                | ?TIMEOUT T_dly                      | (F)                                                                                                      |                                                    |
| 73                | +ChanRel(TCV_ch)                    |                                                                                                          |                                                    |
| 74                | L?DL_DatInCpData                    | DatInCpData(CpDataPdu_02(TCV_ti_v_2, CpData_02(TCV_Rpmr)))                                               | CP-DATA(RP-Ack) ms->n                              |
| 75                | CANCEL T_dly                        |                                                                                                          |                                                    |
| 76                | LIDL_DatRqCpDataAck                 | DatRqCpDataAck(CpDataAckPdu_02(TCV_ti_v_2), TCV_chSms)                                                   | CP-ACK n->ms                                       |
| 77                | +ChanRel(TCV_ch)                    |                                                                                                          |                                                    |
| 78                | L?DL_DatInCpData                    | DatInCpData(CpDataPdu_02(TCV_ti_v_2, CpData_08(TCV_Rpmr)))                                               | CP-DATA(RP-Error: Memory Capacity Exceeded)        |
| 79                | CANCEL T_dly                        |                                                                                                          |                                                    |
| 80                | LIDL_DatRqCpDataAck                 | DatRqCpDataAck(CpDataAckPdu_02(TCV_ti_v_2), TCV_chSms)                                                   | CP-ACK n->ms                                       |
| 81                | (TCV_MemCapExcd:=TRUE)              |                                                                                                          | SMS storage in ME + SIM full                       |
| 82                | +ChanRel(TCV_ch)                    |                                                                                                          |                                                    |
| 83                | (TCV_Res:=OO_CheckMCEFO nSIM())     |                                                                                                          |                                                    |
| 84                | [TCV_Res =FALSE]                    | (F)                                                                                                      |                                                    |
| 85                | [TCV_Res =TRUE]                     |                                                                                                          |                                                    |
| <b>Itree_sms3</b> |                                     |                                                                                                          |                                                    |
| 86                | +Itree_PrepareEnvironmentParts1_2_3 |                                                                                                          |                                                    |
| 87                | LIDL_DatRqCpData                    | DatRqCpData(CpDataPdu_01(TCV_ti_v_2, CpData_01(TCV_TP OA1, TCV_RPOA_MT, TCV_Rpmr, C_Tzone2)), TCV_chSms) | CP-DATA(RP-Data SMS DELIVER)<br>TP-DCS is 0        |
| 88                | START T_dly(25000)                  |                                                                                                          |                                                    |
| 89                | ?TIMEOUT T_dly                      | (F)                                                                                                      |                                                    |

|     |                                                                                                        |                                                                     |     |                                             |
|-----|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-----|---------------------------------------------|
| 90  | +ChanRel(TCV_ch)                                                                                       |                                                                     |     |                                             |
| 91  | L?DL_DatInCpDataAck                                                                                    | DatInCpDataAck(CpDataAckPdu_01(TCV_ti_v_2))                         |     | CP-ACK ms->n                                |
| 92  | CANCEL T_dly                                                                                           |                                                                     |     |                                             |
| 93  | START T_dly(60000)                                                                                     |                                                                     |     |                                             |
| 94  | ?TIMEOUT T_dly                                                                                         |                                                                     | (F) |                                             |
| 95  | +ChanRel(TCV_ch)                                                                                       |                                                                     |     |                                             |
| 96  | L?DL_DatInCpData                                                                                       | DatInCpData(CpDataPdu_02(TCV_ti_v_2, CpData_08(TCV_Rpmr)))          |     | CP-DATA(RP-Error: Memory Capacity Exceeded) |
| 97  | CANCEL T_dly                                                                                           |                                                                     |     |                                             |
| 98  | LIDL_DatRqCpDataAck                                                                                    | DatRqCpDataAck(CpDataAckPdu_02(TCV_ti_v_2), TCV_chSms)              |     | CP-ACK n->ms                                |
| 99  | +ChanRel(TCV_ch)                                                                                       |                                                                     |     |                                             |
| 100 | (TCV_Null:=OO_ReadSMAndRemove())                                                                       |                                                                     |     |                                             |
|     | <b>Itree_sms4</b>                                                                                      |                                                                     |     |                                             |
| 101 | +Itree_PrepareEnvironmentPart4                                                                         |                                                                     |     |                                             |
| 102 | L?DL_DatInCpData(TCV_Rpmr := DL_DatInCpData.msg.Cpdata.rpdata.rpmr, TCV_ti_v:=DL_DatInCpData.msg.ti.v) | DatInCpData(CpDataPdu_02(TCV_ti_v_2, CpData_09))                    |     | CP-DATA(RP-SMMA), ms->n                     |
| 103 | LIDL_DatRqCpDataAck                                                                                    | DatRqCpDataAck(CpDataAckPdu_01(TCV_ti_v), TCV_chSms)                |     | CP-ACK n->ms                                |
| 104 | LIDL_DatRqCpData                                                                                       | DatRqCpData(CpDataPdu_02(TCV_ti_v, CpData_04(TCV_Rpmr)), TCV_chSms) |     | CP-DATA(RP-Ack) n->ms                       |
| 105 | START T_dly(25000)                                                                                     |                                                                     |     |                                             |
| 106 | ?TIMEOUT T_dly                                                                                         |                                                                     | (F) |                                             |
| 107 | +ChanRel(TCV_ch)                                                                                       |                                                                     |     |                                             |
| 108 | L?DL_DatInCpDataAck                                                                                    | DatInCpDataAck(CpDataAckPdu_02(TCV_ti_v))                           |     | CP-ACK ms->n                                |
| 109 | CANCEL T_dly                                                                                           |                                                                     |     |                                             |
| 110 | +ChanRel(TCV_ch)                                                                                       |                                                                     |     |                                             |
| 111 | (TCV_Res:=OO_CheckMCEFOOnSIMUnset())                                                                   |                                                                     |     |                                             |
| 112 | [TCV_Res =FALSE]                                                                                       |                                                                     | (F) |                                             |
| 113 | [TCV_Res =TRUE]                                                                                        |                                                                     | (P) |                                             |
| 114 | (TCV_Null:=OO_ReadSMAndRemove())                                                                       |                                                                     |     |                                             |
| 115 | START T_dly(60000)                                                                                     |                                                                     |     |                                             |
| 116 | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.eau_rrf, TCV_Fn := DL_RaInChRq.fn)                            | ChReq_03                                                            | (F) | The MS shall not attempt to send RP-SSMA    |
| 117 | +ChanRel(TCV_ch)                                                                                       |                                                                     |     |                                             |
| 118 | ?TIMEOUT T_dly                                                                                         |                                                                     | (P) |                                             |
|     | <b>Itree_set_sapi3_SDCCH_MT</b>                                                                        |                                                                     |     |                                             |
| 119 | LIDL_EstRq                                                                                             | DLEstRq_01(TCV_ch)                                                  |     |                                             |
| 120 | L?DL_EstCo                                                                                             | DLEstCo_01(TCV_ch)                                                  |     |                                             |
|     | <b>Itree_set_sapi3_SDCCH_MO</b>                                                                        |                                                                     |     |                                             |
| 121 | L?DL_EstIn                                                                                             | DLEstIn_02                                                          |     |                                             |

**Detailed Comments:**

- 1: Part a) of the test procedure as described in GSM 11.10, 34.2.3.3
- 2: Parts b) to c) of the test procedure as described in GSM 11.10, 34.2.3.3
- 3: Parts d) to e) of the test procedure as described in GSM 11.10, 34.2.3.3
- 4: Parts f) to k) of the test procedure as described in GSM 11.10, 34.2.3.3



| Test Case Dynamic Behaviour               |       |                                                                                                                                                                                                                                                                                   |          |   |                                            |
|-------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---|--------------------------------------------|
| <b>Test Case Name:</b>                    |       | TC_34_2_4                                                                                                                                                                                                                                                                         |          |   |                                            |
| <b>Group:</b>                             |       | GSM_L3_MS_v4160/SM/                                                                                                                                                                                                                                                               |          |   |                                            |
| <b>Purpose:</b>                           |       | 1) To verify that the MS is able to accept a SMS-STATUS-REPORT TPDU.<br><br>2) To verify that a MS able to use the SMS-COMMAND functionality correctly sends a SMS-COMMAND TPDU with the correct TP-Message-Reference.                                                            |          |   |                                            |
| <b>Default:</b>                           |       | OtherEventsFail                                                                                                                                                                                                                                                                   |          |   |                                            |
| Nr                                        | Label | Behaviour Description                                                                                                                                                                                                                                                             | CRef     | V | Comments                                   |
| 1                                         |       | START T_guard(300)                                                                                                                                                                                                                                                                |          |   |                                            |
| 2                                         |       | START T_guard(300)                                                                                                                                                                                                                                                                |          |   |                                            |
| 3                                         |       | +ltree_preamble                                                                                                                                                                                                                                                                   |          |   |                                            |
| 4                                         | body  | +ltree_part1                                                                                                                                                                                                                                                                      |          | 1 |                                            |
| 5                                         |       | +ltree_part2                                                                                                                                                                                                                                                                      |          | 2 |                                            |
| 6                                         |       | +ltree_part3                                                                                                                                                                                                                                                                      |          | 3 |                                            |
| 7                                         |       | +ltree_part4                                                                                                                                                                                                                                                                      |          | 4 |                                            |
| <b>ltree_preamble</b>                     |       |                                                                                                                                                                                                                                                                                   |          |   |                                            |
| 8                                         |       | +Varinit_fixcommon                                                                                                                                                                                                                                                                |          |   |                                            |
| 9                                         |       | (TCV_cellid:=C_CellA, TCV_chdescr_arfcn:=<br>C_arfcnA, TCV_ch:= C_FACCHF_A_1, TCV_sacch<br>:= OC_SubchOfSacch4( TSPX_SDCCH4SubDef,<br>C_CellA), TCV_PgCh:= C_PCH_A_1, TCV_chTch :=<br>C_FACCHF_A_1, TCV_ia_ts:= '000'B,<br>TCV_asscmd_ts := TSPX_TmSltB, TCV_ts:=<br>TSPX_TmSltB) |          |   |                                            |
| 10                                        |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                              |          |   |                                            |
| 11                                        |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot,<br>TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B,<br>'00'O)                                                                                                                                                                             |          |   |                                            |
| 12                                        |       | +IdleState_cellA(C_Immass,TCV_slot,<br>TCV_tsc, TimingAdv_01, 0, '000'B, '001'B,<br>'011'B, '00'O)                                                                                                                                                                                |          |   |                                            |
| 13                                        |       | (TCV_RPOA_MT:='1111111111'O,<br>TCV_TPDA:=5555555555'O)                                                                                                                                                                                                                           |          |   |                                            |
| <b>ltree_part1</b>                        |       |                                                                                                                                                                                                                                                                                   |          |   |                                            |
| 14                                        |       | (TCV_Null:=OO_SendMOShortMessage())                                                                                                                                                                                                                                               |          |   |                                            |
| 15                                        |       | +ltree_PrepareEnvironmentParts1_3_4                                                                                                                                                                                                                                               |          |   |                                            |
| 16                                        |       | +ltree_sms1                                                                                                                                                                                                                                                                       |          |   | Initiate MO-SM, status<br>report requested |
| 17                                        |       | +ltree_sms2                                                                                                                                                                                                                                                                       |          |   | Terminate MO-SM                            |
| <b>ltree_part2</b>                        |       |                                                                                                                                                                                                                                                                                   |          |   |                                            |
| 18                                        |       | +ltree_PrepareEnvironmentPart2                                                                                                                                                                                                                                                    |          |   |                                            |
| 19                                        |       | +ltree_sms3                                                                                                                                                                                                                                                                       |          |   | MT-SM (SMS Status<br>Report)               |
| <b>ltree_part3</b>                        |       |                                                                                                                                                                                                                                                                                   |          |   |                                            |
| 20                                        |       | (TCV_Null:=OO_SendSMSCOMMANDEnq())                                                                                                                                                                                                                                                |          |   |                                            |
| 21                                        |       | +ltree_PrepareEnvironmentParts1_3_4                                                                                                                                                                                                                                               |          |   |                                            |
| 22                                        |       | +ltree_sms4                                                                                                                                                                                                                                                                       |          |   | Initiate MO-SM (SMS<br>COMMAND, enquiry)   |
| 23                                        |       | +ltree_sms2                                                                                                                                                                                                                                                                       |          |   | Terminate MO-SM                            |
| <b>ltree_part4</b>                        |       |                                                                                                                                                                                                                                                                                   |          |   |                                            |
| 24                                        |       | (TCV_Null:=OO_SendSMSCOMMANDDel())                                                                                                                                                                                                                                                |          |   |                                            |
| 25                                        |       | +ltree_PrepareEnvironmentParts1_3_4                                                                                                                                                                                                                                               |          |   |                                            |
| 26                                        |       | +ltree_sms5                                                                                                                                                                                                                                                                       |          |   | Initiate MO-SM (SMS<br>COMMAND, deletion)  |
| 27                                        |       | +ltree_sms2                                                                                                                                                                                                                                                                       |          |   | Terminate MO-SM                            |
| <b>ltree_PrepareEnvironmentParts1_3_4</b> |       |                                                                                                                                                                                                                                                                                   |          |   |                                            |
| 28                                        |       | (TCV_chSms:=TCV_ch)                                                                                                                                                                                                                                                               |          |   |                                            |
| 29                                        |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                                  | ChReq_17 |   |                                            |
| 30                                        |       | ACTIVATE(OtherEventsFail_02)                                                                                                                                                                                                                                                      |          |   | To match ChReq retrans.                    |

|    |                                                                                                                                                                           |                                                                                                                  |                             |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------|
| 31 | LIDL_UdatRqImm                                                                                                                                                            | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, TimingAdv_01)                                          |                             |
| 32 | L?DL_EstInCmsRq                                                                                                                                                           | CmsReq_09                                                                                                        |                             |
| 33 | ACTIVATE(OtherEventsFail)                                                                                                                                                 |                                                                                                                  | Restore normal default tree |
| 34 | +Authentication(TCV_ch, TCV_cksn)                                                                                                                                         |                                                                                                                  |                             |
| 35 | +Ciphering_on(TCV_ch)                                                                                                                                                     |                                                                                                                  |                             |
| 36 | +ltree_set_sapi3_SDCCH_MO                                                                                                                                                 |                                                                                                                  |                             |
| 37 | <b>ltree_PrepareEnvironmentPart2</b>                                                                                                                                      |                                                                                                                  |                             |
| 38 | +RRmtcallprepare(TimingAdv_01)                                                                                                                                            |                                                                                                                  |                             |
| 39 | +ltree_set_sapi3_SDCCH_MT<br>(TCV_ti_v_2:=000'B, TCV_chSms:=TCV_ch)                                                                                                       |                                                                                                                  |                             |
| 40 | <b>ltree_sms1</b>                                                                                                                                                         |                                                                                                                  |                             |
| 41 | L?DL_DatInCpData(TCV_Rpmr := DL_DatInCpData.msg.CPdata.rpdata.rpmr, TCV_Tpmr := DL_DatInCpData.msg.CPdata.rpdata.rpusrdat.tpsubmit.mr, TCV_ti_v:=DL_DatInCpData.msg.ti.v) | DatInCpData(CpDataPdu_03(CpData_11))                                                                             | RP-Data                     |
| 42 | <b>ltree_sms2</b>                                                                                                                                                         |                                                                                                                  |                             |
| 43 | L!DL_DatRqCpDataAck                                                                                                                                                       | DatRqCpDataAck(CpDataAckPdu_01(TCV_ti_v), TCV_chSms)                                                             |                             |
| 44 | LIDL_DatRqCpData                                                                                                                                                          | DatRqCpData(CpDataPdu_02(TCV_ti_v, CpData_04(TCV_Rpmr)), TCV_chSms)                                              | RP-Ack                      |
| 45 | START T_dly(25000)                                                                                                                                                        |                                                                                                                  | (F)                         |
| 46 | ?TIMEOUT T_dly<br>+ChanRel(TCV_chTch)                                                                                                                                     |                                                                                                                  |                             |
| 47 | L?DL_DatInCpDataAck                                                                                                                                                       | DatInCpDataAck(CpDataAckPdu_02(TCV_ti_v))                                                                        |                             |
| 48 | CANCEL T_dly<br>+ChanRel_P(TCV_ch)                                                                                                                                        |                                                                                                                  |                             |
| 49 | <b>ltree_sms3</b>                                                                                                                                                         |                                                                                                                  |                             |
| 50 | +ltree_PrepareEnvironmentPart2                                                                                                                                            |                                                                                                                  |                             |
| 51 | LIDL_DatRqCpData                                                                                                                                                          | DatRqCpData(CpDataPdu_01(TCV_ti_v_2, CpData_12(TCV_TPDA, TCV_RPOA_MT, TCV_Tpmr, TCV_Rpmr, C_Tzone3)), TCV_chSms) | RP-Data status report       |
| 52 | START T_dly(25000)                                                                                                                                                        |                                                                                                                  | (F)                         |
| 53 | ?TIMEOUT T_dly<br>+ChanRel(TCV_chTch)                                                                                                                                     |                                                                                                                  |                             |
| 54 | L?DL_DatInCpDataAck                                                                                                                                                       | DatInCpDataAck(CpDataAckPdu_01(TCV_ti_v_2))                                                                      |                             |
| 55 | CANCEL T_dly                                                                                                                                                              |                                                                                                                  |                             |
| 56 | START T_dly(60000)                                                                                                                                                        |                                                                                                                  | (F)                         |
| 57 | ?TIMEOUT T_dly<br>+ChanRel(TCV_chTch)                                                                                                                                     |                                                                                                                  |                             |
| 58 | L?DL_DatInCpData                                                                                                                                                          | DatInCpData(CpDataPdu_02(TCV_ti_v_2, CpData_02(TCV_Rpmr)))                                                       | RP-Ack                      |
| 59 | CANCEL T_dly                                                                                                                                                              |                                                                                                                  |                             |
| 60 | LIDL_DatRqCpDataAck                                                                                                                                                       | DatRqCpDataAck(CpDataAckPdu_02(TCV_ti_v_2), TCV_chSms)                                                           |                             |
| 61 |                                                                                                                                                                           |                                                                                                                  |                             |

|                           |                                                                                                                                                                                                              |                                                                                                     |                                   |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------|
| 62                        | +ChanRel(TCV_ch)                                                                                                                                                                                             |                                                                                                     |                                   |
| 63                        | <b>Itree_sms4</b><br>L?DL_DatInCpData(TCV_Rpmr :=<br>DL_DatInCpData.msg.CPdata.rpdata.rpmr,<br>TCV_Tpmr :=<br>DL_DatInCpData.msg.CPdata.rpdata.rpusrdat.tpcom<br>mand.mr, TCV_ti_v:=DL_DatInCpData.msg.ti.v) | DatInCpData(CpData<br>Pdu_03(CpData_13(T<br>CV_RPOA_MT,<br>TCV_RPDA_MT,<br>TCV_Rpmr,<br>TCV_Tpmr))) | RP-Data, SMS<br>COMMAND, enquiry  |
| 64                        | <b>Itree_sms5</b><br>L?DL_DatInCpData(TCV_Rpmr :=<br>DL_DatInCpData.msg.CPdata.rpdata.rpmr,<br>TCV_Tpmr :=<br>DL_DatInCpData.msg.CPdata.rpdata.rpusrdat.tpcom<br>mand.mr, TCV_ti_v:=DL_DatInCpData.msg.ti.v) | DatInCpData(CpData<br>Pdu_03(CpData_14(T<br>CV_Rpmr,<br>TCV_Tpmr)))                                 | RP-Data, SMS<br>COMMAND, deletion |
| 65                        | <b>Itree_set_sapi3_SDCCH_MO</b><br>L?DL_EstIn                                                                                                                                                                | DLEstInd_02                                                                                         |                                   |
| 66                        | <b>Itree_set_sapi3_SDCCH_MT</b><br>L!DL_EstRq                                                                                                                                                                | DLEstRq_01(TCV_ch<br>)                                                                              |                                   |
| 67                        | L?DL_EstCo                                                                                                                                                                                                   | DLEstCo_01(TCV_ch<br>)                                                                              |                                   |
| <b>Detailed Comments:</b> |                                                                                                                                                                                                              |                                                                                                     |                                   |

| Test Case Dynamic Behaviour               |       |                                                                                                                                                                                                                                                                                     |                                                                                                                                |     |                                   |
|-------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------------|
| <b>Test Case Name:</b>                    |       | TC_34_2_5_1                                                                                                                                                                                                                                                                         |                                                                                                                                |     |                                   |
| <b>Group:</b>                             |       | GSM_L3_MS_v4160/SM/                                                                                                                                                                                                                                                                 |                                                                                                                                |     |                                   |
| <b>Purpose:</b>                           |       | To verify that the MS will accept and display but not store a class 0 message, and that it will accept and display a class 0 message if its message store is full.                                                                                                                  |                                                                                                                                |     |                                   |
| <b>Default:</b>                           |       | OtherEventsFail                                                                                                                                                                                                                                                                     |                                                                                                                                |     |                                   |
| Nr                                        | Label | Behaviour Description                                                                                                                                                                                                                                                               | CRef                                                                                                                           | V   | Comments                          |
| 1                                         |       | START T_guard(300)                                                                                                                                                                                                                                                                  |                                                                                                                                |     |                                   |
| 2                                         |       | +ltree_preamble                                                                                                                                                                                                                                                                     |                                                                                                                                |     |                                   |
| 3                                         | body  | +ltree_part1                                                                                                                                                                                                                                                                        |                                                                                                                                |     | 1                                 |
| 4                                         |       | +ltree_part2                                                                                                                                                                                                                                                                        |                                                                                                                                |     | 2                                 |
| 5                                         |       | +ltree_part3                                                                                                                                                                                                                                                                        |                                                                                                                                |     | 3                                 |
| <b>ltree_preamble</b>                     |       |                                                                                                                                                                                                                                                                                     |                                                                                                                                |     |                                   |
| 6                                         |       | (TCV_Null:=OO_EmptyMessageStorage())                                                                                                                                                                                                                                                |                                                                                                                                |     |                                   |
| 7                                         |       | +Varinit_fixcommon                                                                                                                                                                                                                                                                  |                                                                                                                                |     |                                   |
| 8                                         |       | (TCV_cellid:=C_CellA, TCV_chdescr_arfcn:=<br>C_arfcnA, TCV_ch:= C_FACCHF_A_1,<br>TCV_sacch := OC_SubchOfSacch4(<br>TSPX_SDCCH4SubDef, C_CellA), TCV_PgCh:=<br>C_PCH_A_1, TCV_chTch := C_FACCHF_A_1,<br>TCV_ia_ts:= '000'B, TCV_asscmd_ts :=<br>TSPX_TmSlitB, TCV_ts:= TSPX_TmSlitB) |                                                                                                                                |     |                                   |
| 9                                         |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                                |                                                                                                                                |     |                                   |
| 10                                        |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot,<br>TCV_tsc, TimingAdv_01, '000'B, '001'B,<br>'011'B, '00'O)                                                                                                                                                                               |                                                                                                                                |     |                                   |
| 11                                        |       | +IdleState_cellA(C_Immass,TCV_slot,<br>TCV_tsc, TimingAdv_01, 0, '000'B, '001'B,<br>'011'B, '00'O)                                                                                                                                                                                  |                                                                                                                                |     |                                   |
| 12                                        |       | (TCV_RPOA_MT:='1111111111'O,<br>TCV_TPOA1:='3333333333'O,<br>TCV_Rpmr:='00'O)                                                                                                                                                                                                       |                                                                                                                                |     |                                   |
| <b>ltree_PrepareEnvironmentParts1_2_3</b> |       |                                                                                                                                                                                                                                                                                     |                                                                                                                                |     |                                   |
| 13                                        |       | +RRmtcallprepare(TimingAdv_01)                                                                                                                                                                                                                                                      |                                                                                                                                |     |                                   |
| 14                                        |       | +ltree_set_sapi3_SDCCH_MT                                                                                                                                                                                                                                                           |                                                                                                                                |     |                                   |
| 15                                        |       | (TCV_ti_v_2:='000'B, TCV_chSms:=TCV_ch)                                                                                                                                                                                                                                             |                                                                                                                                |     |                                   |
| <b>ltree_part1</b>                        |       |                                                                                                                                                                                                                                                                                     |                                                                                                                                |     |                                   |
| 16                                        |       | +ltree_sms1                                                                                                                                                                                                                                                                         |                                                                                                                                |     |                                   |
| 17                                        |       | (TCV_Res:=OO_RecallAndDisplaySM())                                                                                                                                                                                                                                                  |                                                                                                                                |     |                                   |
| 18                                        |       | [TCV_Res =TRUE]                                                                                                                                                                                                                                                                     |                                                                                                                                | (F) | Message store should be empty     |
| 19                                        |       | [TCV_Res =FALSE]                                                                                                                                                                                                                                                                    |                                                                                                                                |     |                                   |
| <b>ltree_part2</b>                        |       |                                                                                                                                                                                                                                                                                     |                                                                                                                                |     |                                   |
| 20                                        |       | (TCV_MemCapExcd:=FALSE)                                                                                                                                                                                                                                                             |                                                                                                                                |     |                                   |
| 21                                        |       | REPEAT ltree_sms2 UNTIL [TCV_MemCapExcd]                                                                                                                                                                                                                                            |                                                                                                                                |     |                                   |
| <b>ltree_part3</b>                        |       |                                                                                                                                                                                                                                                                                     |                                                                                                                                |     |                                   |
| 22                                        |       | +ltree_sms1                                                                                                                                                                                                                                                                         |                                                                                                                                |     |                                   |
| <b>ltree_sms1</b>                         |       |                                                                                                                                                                                                                                                                                     |                                                                                                                                |     |                                   |
| 23                                        |       | +ltree_PrepareEnvironmentParts1_2_3                                                                                                                                                                                                                                                 |                                                                                                                                |     |                                   |
| 24                                        |       | L!DL_DatRqCpData                                                                                                                                                                                                                                                                    | DatRqCpData(CpDat<br>aPdu_01(TCV_ti_v_2,<br>CpData_10(TCV_TP<br>OA1,<br>TCV_RPOA_MT,<br>TCV_Rpmr,<br>C_Tzone4)),<br>TCV_chSms) |     | RP-Data<br>Initiate class 0 MT-SM |
| 25                                        |       | START T_dly(25000)                                                                                                                                                                                                                                                                  |                                                                                                                                |     |                                   |
| 26                                        |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                                                      |                                                                                                                                | (F) |                                   |
| 27                                        |       | +ChanRel(TCV_chTch)                                                                                                                                                                                                                                                                 |                                                                                                                                |     |                                   |
| 28                                        |       | L?DL_DatInCpDataAck                                                                                                                                                                                                                                                                 | DatInCpDataAck(CpD<br>ataAckPdu_01(TCV_t                                                                                       |     |                                   |

|    |                                           |                                                                                                                                |     |                                                                       |
|----|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------|
| 29 | CANCEL T_dly                              | i_v_2))                                                                                                                        |     |                                                                       |
| 30 | START T_dly(60000)                        |                                                                                                                                |     |                                                                       |
| 31 | ?TIMEOUT T_dly                            |                                                                                                                                | (F) |                                                                       |
| 32 | +ChanRel(TCV_chTch)                       |                                                                                                                                |     |                                                                       |
| 33 | L?DL_DatInCpData                          | DatInCpData(CpData<br>Pdu_02(TCV_ti_v_2,<br>CpData_02(TCV_Rp<br>mr)))                                                          |     | RP-Ack                                                                |
| 34 | CANCEL T_dly                              |                                                                                                                                |     |                                                                       |
| 35 | LIDL_DatRqCpDataAck                       | DatRqCpDataAck(Cp<br>DataAckPdu_02(TCV<br>_ti_v_2),<br>TCV_chSms)                                                              |     |                                                                       |
| 36 | +ChanRel(TCV_ch)                          |                                                                                                                                |     |                                                                       |
| 37 | (TCV_Res:=OO_CheckMessage<br>Displayed()) |                                                                                                                                |     |                                                                       |
| 38 | [TCV_Res =FALSE]                          |                                                                                                                                | (F) |                                                                       |
| 39 | [TCV_Res =TRUE]                           |                                                                                                                                | P   |                                                                       |
|    | <b>ltree_sms2</b>                         |                                                                                                                                |     |                                                                       |
| 40 | +ltree_PrepareEnvironmentParts1_2_3       |                                                                                                                                |     |                                                                       |
| 41 | LIDL_DatRqCpData                          | DatRqCpData(CpDat<br>aPdu_01(TCV_ti_v_2,<br>CpData_06(TCV_RP<br>OA_MT,<br>TCV_TPOA1,<br>TCV_Rpmr,<br>C_Tzone4)),<br>TCV_chSms) |     | RP-Data<br>Initiate class 1 MT-SM                                     |
| 42 | START T_dly(25000)                        |                                                                                                                                |     |                                                                       |
| 43 | ?TIMEOUT T_dly                            |                                                                                                                                | (F) |                                                                       |
| 44 | +ChanRel(TCV_chTch)                       |                                                                                                                                |     |                                                                       |
| 45 | L?DL_DatInCpDataAck                       | DatInCpDataAck(CpD<br>ataAckPdu_01(TCV_t<br>i_v_2))                                                                            |     |                                                                       |
| 46 | CANCEL T_dly                              |                                                                                                                                |     |                                                                       |
| 47 | START T_dly(60000)                        |                                                                                                                                |     |                                                                       |
| 48 | ?TIMEOUT T_dly                            |                                                                                                                                | (F) |                                                                       |
| 49 | +ChanRel(TCV_chTch)                       |                                                                                                                                |     |                                                                       |
| 50 | L?DL_DatInCpData                          | DatInCpData(CpData<br>Pdu_02(TCV_ti_v_2,<br>CpData_02(TCV_Rp<br>mr)))                                                          |     | RP-Ack                                                                |
| 51 | CANCEL T_dly                              |                                                                                                                                |     |                                                                       |
| 52 | LIDL_DatRqCpDataAck                       | DatRqCpDataAck(Cp<br>DataAckPdu_02(TCV<br>_ti_v_2),<br>TCV_chSms)                                                              |     |                                                                       |
| 53 | +ChanRel(TCV_ch)                          |                                                                                                                                |     |                                                                       |
| 54 | L?DL_DatInCpData                          | DatInCpData(CpData<br>Pdu_02(TCV_ti_v_2,<br>CpData_08(TCV_Rp<br>mr)))                                                          |     | RP-Error:<br>Memory Capacity Exc.                                     |
| 55 | CANCEL T_dly                              |                                                                                                                                |     |                                                                       |
| 56 | LIDL_DatRqCpDataAck                       | DatRqCpDataAck(Cp<br>DataAckPdu_02(TCV<br>_ti_v_2),<br>TCV_chSms)                                                              |     |                                                                       |
| 57 | (TCV_MemCapExcd:=TRUE)                    |                                                                                                                                |     |                                                                       |
| 58 | +ChanRel(TCV_ch)                          |                                                                                                                                |     | No check if MCEF is set<br>on the SIM, since not the<br>test purpose. |
|    | <b>ltree_set_sapi3_SDCCH_MT</b>           |                                                                                                                                |     |                                                                       |
| 59 | LIDL_EstRq                                | DLEstRq_01(TCV_ch<br>)                                                                                                         |     |                                                                       |
| 60 | L?DL_EstCo                                | DLEstCo_01(TCV_ch<br>)                                                                                                         |     |                                                                       |

Detailed Comments:



| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                           |                                                                                                         |     |                                   |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----|-----------------------------------|
| <b>Test Case Name:</b>      |       | TC_34_2_5_2                                                                                                                                                                                                                                               |                                                                                                         |     |                                   |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/SM/                                                                                                                                                                                                                                       |                                                                                                         |     |                                   |
| <b>Purpose:</b>             |       | To verify that the MS acts correctly on receiving a class 1 message, i.e. that it stores the message in the ME or SIM and sends an acknowledgement (at RP and CP-Layer).                                                                                  |                                                                                                         |     |                                   |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                           |                                                                                                         |     |                                   |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                     | CRef                                                                                                    | V   | Comments                          |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                        |                                                                                                         |     |                                   |
| 2                           |       | +ltree_preamble                                                                                                                                                                                                                                           |                                                                                                         |     |                                   |
| 3                           | body  | +ltree_part1                                                                                                                                                                                                                                              |                                                                                                         | 1   |                                   |
|                             |       | <b>ltree_preamble</b>                                                                                                                                                                                                                                     |                                                                                                         |     |                                   |
| 4                           |       | (TCV_Null:=OO_EmptyMessageStorage())                                                                                                                                                                                                                      |                                                                                                         |     |                                   |
| 5                           |       | (TCV_Null:=OO_MSSetupStoreClass1SMInMEMemory())                                                                                                                                                                                                           |                                                                                                         |     |                                   |
| 6                           |       | +Varinit_fixcommon                                                                                                                                                                                                                                        |                                                                                                         |     |                                   |
| 7                           |       | (TCV_cellid:=C_CellA, TCV_chdescr_arfcn:=C_arfcnA, TCV_ch:=C_FACCHF_A_1, TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_PgCh:=C_PCH_A_1, TCV_chTch :=C_FACCHF_A_1, TCV_ia_ts:= '000'B, TCV_asscmd_ts := TSPX_TmSltB, TCV_ts:=TSPX_TmSltB) |                                                                                                         |     |                                   |
| 8                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                      |                                                                                                         |     |                                   |
| 9                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                           |                                                                                                         |     |                                   |
| 10                          |       | +IdleState_cellA(C_Immass,TCV_slot, TCV_tsc, TimingAdv_01, 0, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                              |                                                                                                         |     |                                   |
| 11                          |       | (TCV_RPOA_MT:='1111111111'O, TCV_TPOA1:= '3333333333'O, TCV_Rpmr:='00'O)                                                                                                                                                                                  |                                                                                                         |     |                                   |
|                             |       | <b>ltree_part1</b>                                                                                                                                                                                                                                        |                                                                                                         |     |                                   |
| 12                          |       | +ltree_PrepareEnvironmentPart1                                                                                                                                                                                                                            |                                                                                                         |     |                                   |
| 13                          |       | +ltree_sms1                                                                                                                                                                                                                                               |                                                                                                         |     |                                   |
|                             |       | <b>ltree_PrepareEnvironmentPart1</b>                                                                                                                                                                                                                      |                                                                                                         |     |                                   |
| 14                          |       | +RRmtcallprepare(TimingAdv_01)                                                                                                                                                                                                                            |                                                                                                         |     |                                   |
| 15                          |       | +ltree_set_sapi3_SDCCH_MT                                                                                                                                                                                                                                 |                                                                                                         |     |                                   |
| 16                          |       | (TCV_ti_v_2:='000'B, TCV_chSms:=TCV_ch)                                                                                                                                                                                                                   |                                                                                                         |     |                                   |
|                             |       | <b>ltree_sms1</b>                                                                                                                                                                                                                                         |                                                                                                         |     |                                   |
| 17                          |       | L!DL_DatRqCpData                                                                                                                                                                                                                                          | DatRqCpData(CpDataPdu_01(TCV_ti_v_2, CpData_06(TCV_RPOA_MT, TCV_TPOA1, TCV_Rpmr, C_Tzone5)), TCV_chSms) |     | RP-Data<br>Initiate class 1 MT-SM |
| 18                          |       | START T_dly(25000)                                                                                                                                                                                                                                        |                                                                                                         |     |                                   |
| 19                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                            |                                                                                                         | (F) |                                   |
| 20                          |       | +ChanRel(TCV_chTch)                                                                                                                                                                                                                                       |                                                                                                         |     |                                   |
| 21                          |       | L?DL_DatInCpDataAck                                                                                                                                                                                                                                       | DatInCpDataAck(CpDataAckPdu_01(TCV_ti_v_2))                                                             |     |                                   |
| 22                          |       | CANCEL T_dly                                                                                                                                                                                                                                              |                                                                                                         |     |                                   |
| 23                          |       | START T_dly(60000)                                                                                                                                                                                                                                        |                                                                                                         |     |                                   |
| 24                          |       | ?TIMEOUT T_dly                                                                                                                                                                                                                                            |                                                                                                         | (F) |                                   |
| 25                          |       | +ChanRel(TCV_chTch)                                                                                                                                                                                                                                       |                                                                                                         |     |                                   |
| 26                          |       | L?DL_DatInCpData                                                                                                                                                                                                                                          | DatInCpData(CpDataPdu_02(TCV_ti_v_2, CpData_02(TCV_Rpmr)))                                              |     | RP-Ack                            |
| 27                          |       | CANCEL T_dly                                                                                                                                                                                                                                              |                                                                                                         |     |                                   |

|                           |                                        |                                                                   |     |
|---------------------------|----------------------------------------|-------------------------------------------------------------------|-----|
| 28                        | L!DL_DatRqCpDataAck                    | DatRqCpDataAck(Cp<br>DataAckPdu_02(TCV<br>_ti_v_2),<br>TCV_chSms) |     |
| 29                        | +ChanRel(TCV_ch)                       |                                                                   |     |
| 30                        | (TCV_Res:=OO_RecallAndDisplay<br>SM()) |                                                                   |     |
| 31                        | [TCV_Res =FALSE]                       |                                                                   | (F) |
| 32                        | [TCV_Res =TRUE]                        |                                                                   | P   |
|                           | <b>Itree_set_sapi3_SDCCH_MT</b>        |                                                                   |     |
| 33                        | L!DL_EstRq                             | DLEstRq_01(TCV_ch<br>)                                            |     |
| 34                        | L?DL_EstCo                             | DLEstCo_01(TCV_ch<br>)                                            |     |
| <b>Detailed Comments:</b> |                                        |                                                                   |     |



| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                         |   |                                                   |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---|---------------------------------------------------|
| <b>Test Case Name:</b>      |       | TC_34_2_5_3                                                                                                                                                                                                                                                                                                                                                |                                                                                                         |   |                                                   |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/SM/                                                                                                                                                                                                                                                                                                                                        |                                                                                                         |   |                                                   |
| <b>Purpose:</b>             |       | To verify that the MS acts correctly on receiving a class 2 message, i.e. that it stores the message in the SIM, and if this is not possible, returns a protocol error message to the network.                                                                                                                                                             |                                                                                                         |   |                                                   |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                                                                                            |                                                                                                         |   |                                                   |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                      | CRef                                                                                                    | V | Comments                                          |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                                                                                         |                                                                                                         |   |                                                   |
| 2                           |       | +ltree_preamble                                                                                                                                                                                                                                                                                                                                            |                                                                                                         |   |                                                   |
| 3                           | body  | +ltree_part1                                                                                                                                                                                                                                                                                                                                               |                                                                                                         | 1 |                                                   |
|                             |       | <b>ltree_preamble</b>                                                                                                                                                                                                                                                                                                                                      |                                                                                                         |   |                                                   |
| 4                           |       | (TCV_Null:=OO_EmptyMessageStorage())                                                                                                                                                                                                                                                                                                                       |                                                                                                         |   |                                                   |
| 5                           |       | (TCV_Null:=OO_MSSetupStoreClass1SMInMEMemory())                                                                                                                                                                                                                                                                                                            |                                                                                                         |   |                                                   |
| 6                           |       | (TCV_Null:=OO_ConnectSIMSimulator())                                                                                                                                                                                                                                                                                                                       |                                                                                                         |   |                                                   |
| 7                           |       | +Varinit_fixcommon                                                                                                                                                                                                                                                                                                                                         |                                                                                                         |   |                                                   |
| 8                           |       | (TCV_cellid:=C_CellA, TCV_ch:=OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, TCV_cellid), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, TCV_cellid), TCV_PgCh:= C_PCH_A_1, TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_ia_ts:= '000'B, TCV_RPOA_MT:='1111111111'O, TCV_TPOA1:='3333333333'O, TCV_Rpmr:='00'O, TCV_slot := C_S0, TCV_tsc := C_BCC) |                                                                                                         |   |                                                   |
| 9                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot, TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                                                                            |                                                                                                         |   |                                                   |
| 10                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                   |                                                                                                         |   |                                                   |
| 11                          |       | (TCV_chdescr_arfcn := 20)                                                                                                                                                                                                                                                                                                                                  |                                                                                                         |   |                                                   |
| 12                          |       | +PreEnterIdleState_Comb04(C_Immass, TCV_slot, TCV_tsc, 5,1, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                             |                                                                                                         |   |                                                   |
| 13                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                 |                                                                                                         |   |                                                   |
| 14                          |       | (TCV_chdescr_arfcn := 590)                                                                                                                                                                                                                                                                                                                                 |                                                                                                         |   |                                                   |
| 15                          |       | +PreEnterIdleState_Comb04(C_Immass, TCV_slot, TCV_tsc, 5,1, 0, C_Ass, TSPX_TmSltDef, TSPX_TscDef, TimingAdv_01, '000'B, '001'B, '011'B, '00'O)                                                                                                                                                                                                             |                                                                                                         |   |                                                   |
|                             |       | <b>ltree_part1</b>                                                                                                                                                                                                                                                                                                                                         |                                                                                                         |   |                                                   |
| 16                          |       | +ltree_PrepareEnvironmentPart1                                                                                                                                                                                                                                                                                                                             |                                                                                                         |   |                                                   |
| 17                          |       | +ltree_sms1                                                                                                                                                                                                                                                                                                                                                |                                                                                                         |   |                                                   |
| 18                          |       | +ltree_sms2                                                                                                                                                                                                                                                                                                                                                |                                                                                                         |   |                                                   |
| 19                          |       | +ltree_PrepareEnvironmentPart1                                                                                                                                                                                                                                                                                                                             |                                                                                                         |   |                                                   |
| 20                          |       | +ltree_sms1                                                                                                                                                                                                                                                                                                                                                |                                                                                                         |   |                                                   |
| 21                          |       | +ltree_sms3                                                                                                                                                                                                                                                                                                                                                |                                                                                                         |   |                                                   |
|                             |       | <b>ltree_PrepareEnvironmentPart1</b>                                                                                                                                                                                                                                                                                                                       |                                                                                                         |   |                                                   |
| 22                          |       | +RRmtcallprepare(TimingAdv_01)                                                                                                                                                                                                                                                                                                                             |                                                                                                         |   |                                                   |
| 23                          |       | +ltree_set_sapi3_SDCCH_MT                                                                                                                                                                                                                                                                                                                                  |                                                                                                         |   |                                                   |
| 24                          |       | (TCV_ti_v_2:='000'B, TCV_chSms:=TCV_ch)                                                                                                                                                                                                                                                                                                                    |                                                                                                         |   |                                                   |
|                             |       | <b>ltree_sms1</b>                                                                                                                                                                                                                                                                                                                                          |                                                                                                         |   |                                                   |
| 25                          |       | !DL_DatRqCpData                                                                                                                                                                                                                                                                                                                                            | DatRqCpData(CpDataPdu_01(TCV_ti_v_2, CpData_05(TCV_TPOA1, TCV_RPOA_MT, TCV_Rpmr, C_Tzone0)), TCV_chSms) |   | CP-DATA(RP-Data SMS DELIVER), n->ms class 2 MT-SM |

|    |                                          |                                                             |     |                                                                 |
|----|------------------------------------------|-------------------------------------------------------------|-----|-----------------------------------------------------------------|
| 26 | START T_dly(25000)                       |                                                             |     |                                                                 |
| 27 | ?TIMEOUT T_dly                           |                                                             | (F) |                                                                 |
| 28 | +ChanRel(TCV_ch)                         |                                                             |     |                                                                 |
| 29 | L?DL_DatInCpDataAck                      | DatInCpDataAck(CpDataAckPdu_01(TCV_ti_v_2))                 |     | CP-ACK ms->n                                                    |
| 30 | CANCEL T_dly                             |                                                             |     |                                                                 |
| 31 | START T_dly(60000)                       |                                                             |     |                                                                 |
|    | <b>Itree_sms2</b>                        |                                                             |     |                                                                 |
| 32 | (TCV_Res:=OO_SIMSimulAttIndOK())         |                                                             |     | ME attempt to store SM on SIM? Status OK ('9000')               |
| 33 | [TCV_Res =FALSE]                         |                                                             | (F) |                                                                 |
| 34 | +ChanRel(TCV_ch)                         |                                                             |     |                                                                 |
| 35 | [TCV_Res =TRUE]                          |                                                             |     |                                                                 |
| 36 | ?TIMEOUT T_dly                           |                                                             | (F) |                                                                 |
| 37 | +ChanRel(TCV_ch)                         |                                                             |     |                                                                 |
| 38 | L?DL_DatInCpData                         | DatInCpData(CpDataPdu_02(TCV_ti_v_2, CpData_02(TCV_Rp mr))) |     | CP-DATA(RP-Ack) ms->n                                           |
| 39 | CANCEL T_dly                             |                                                             |     |                                                                 |
| 40 | L!DL_DatRqCpDataAck                      | DatRqCpDataAck(CpDataAckPdu_02(TCV_ti_v_2), TCV_chSms)      |     | CP-ACK n->ms                                                    |
| 41 | +ChanRel(TCV_ch)                         |                                                             |     |                                                                 |
|    | <b>Itree_sms3</b>                        |                                                             |     |                                                                 |
| 42 | (TCV_Res:=OO_SIMSimulAttIndMemProblem()) |                                                             |     | ME attempt to store SM on SIM? Status 'memory problem' ('9240') |
| 43 | [TCV_Res =FALSE]                         |                                                             | (F) |                                                                 |
| 44 | +ChanRel(TCV_chTch)                      |                                                             |     |                                                                 |
| 45 | [TCV_Res =TRUE]                          |                                                             |     |                                                                 |
| 46 | ?TIMEOUT T_dly                           |                                                             | (F) |                                                                 |
| 47 | +ChanRel(TCV_chTch)                      |                                                             |     |                                                                 |
| 48 | L?DL_DatInCpData                         | DatInCpData(CpDataPdu_02(TCV_ti_v_2, CpData_07(TCV_Rp mr))) |     | CP-DATA(RP-Error: Protocol Error, unspecified)                  |
| 49 | CANCEL T_dly                             |                                                             |     |                                                                 |
| 50 | L!DL_DatRqCpDataAck                      | DatRqCpDataAck(CpDataAckPdu_02(TCV_ti_v_2), TCV_chSms)      |     | CP-ACK n->ms                                                    |
| 51 | +ChanRel_end(TCV_ch)                     |                                                             |     |                                                                 |
|    | <b>Itree_set_sapi3_SDCCH_MT</b>          |                                                             |     |                                                                 |
| 52 | L!DL_EstRq                               | DLEstRq_01(TCV_ch)                                          |     |                                                                 |
| 53 | L?DL_EstCo                               | DLEstCo_01(TCV_ch)                                          |     |                                                                 |

Detailed Comments:

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                   |                                                                                                                                                                |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Case Name:</b>      |       | TC_34_2_7                                                                                                                                                                                                                                                                         |                                                                                                                                                                |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/SM/                                                                                                                                                                                                                                                               |                                                                                                                                                                |   |          |
| <b>Purpose:</b>             |       | To verify the correct implementation of the replace mechanism for Replace Short Messages.                                                                                                                                                                                         |                                                                                                                                                                |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                   |                                                                                                                                                                |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                             | CRef                                                                                                                                                           | V | Comments |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                |                                                                                                                                                                |   |          |
| 2                           |       | +ltree_preamble                                                                                                                                                                                                                                                                   |                                                                                                                                                                |   |          |
| 3                           | body  | +ltree_part1                                                                                                                                                                                                                                                                      |                                                                                                                                                                |   |          |
|                             |       | <b>ltree_preamble</b>                                                                                                                                                                                                                                                             |                                                                                                                                                                |   |          |
| 4                           |       | (TCV_Null:=OO_EmptyMessageStorage())                                                                                                                                                                                                                                              |                                                                                                                                                                |   |          |
| 5                           |       | +Varinit_fixcommon                                                                                                                                                                                                                                                                |                                                                                                                                                                |   |          |
| 6                           |       | (TCV_cellid:=C_CellA, TCV_chdescr_arfcn:=<br>C_arfcnA, TCV_ch:= C_FACCHF_A_1,<br>TCV_sacch := OC_SubchOfSacch4(<br>TSPX_SDCCH4SubDef, C_CellA), TCV_PgCh:=<br>C_PCH_A_1, TCV_chTch := C_FACCHF_A_1,<br>TCV_ia_ts:= '000'B, TCV_asscmd_ts :=<br>TSPX_TmSltB, TCV_ts:= TSPX_TmSltB) |                                                                                                                                                                |   |          |
| 7                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                              |                                                                                                                                                                |   |          |
| 8                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot,<br>TCV_tsc, TimingAdv_01, '000'B, '001'B,<br>'011'B, '00'O)                                                                                                                                                                             |                                                                                                                                                                |   |          |
| 9                           |       | +IdleState_cellA(C_Immass,TCV_slot,<br>TCV_tsc, TimingAdv_01, 0, '000'B, '001'B,<br>'011'B, '00'O)                                                                                                                                                                                |                                                                                                                                                                |   |          |
| 10                          |       | (TCV_TPOA1:='1111111111'O,<br>TCV_TPOA2:='2222222222'O,<br>TCV_RPOA1:='3333333333'O,<br>TCV_RPOA2:='4444444444'O,<br>TCV_Rpmr:='00'O)                                                                                                                                             |                                                                                                                                                                |   |          |
| 11                          |       | REPEAT ltree_RandomTypes UNTIL<br>[NOT(TCV_SMTypeM=TCV_SMTypeN)<br>]                                                                                                                                                                                                              |                                                                                                                                                                |   |          |
|                             |       | <b>ltree_RandomTypes</b>                                                                                                                                                                                                                                                          |                                                                                                                                                                |   |          |
| 12                          |       | (TCV_SMTypeM:=OC_Random(1, 7),<br>TCV_SMTypeN:=OC_Random(1, 7))                                                                                                                                                                                                                   |                                                                                                                                                                |   |          |
|                             |       | <b>ltree_part1</b>                                                                                                                                                                                                                                                                |                                                                                                                                                                |   |          |
| 13                          |       | +ltree_PrepareEnvironmentPart1                                                                                                                                                                                                                                                    |                                                                                                                                                                |   |          |
| 14                          |       | L!DL_DatRqCpData                                                                                                                                                                                                                                                                  | DatRqCpData(CpDat<br>aPdu_16(TCV_TPOA<br>1, TCV_RPOA1,<br>TCV_SMTypeN, "First<br>short message. ",<br>TCV_ti_v_2,<br>TCV_Rpmr,<br>C_Tzone1),<br>TCV_chSms)     |   | RP-Data  |
| 15                          |       | +ltree_sms1                                                                                                                                                                                                                                                                       |                                                                                                                                                                |   |          |
| 16                          |       | +ltree_PrepareEnvironmentPart1                                                                                                                                                                                                                                                    |                                                                                                                                                                |   |          |
| 17                          |       | L!DL_DatRqCpData                                                                                                                                                                                                                                                                  | DatRqCpData(CpDat<br>aPdu_16(TCV_TPOA<br>2, TCV_RPOA1,<br>TCV_SMTypeN,<br>"Second short<br>message. ",<br>TCV_ti_v_2,<br>TCV_Rpmr,<br>C_Tzone1),<br>TCV_chSms) |   | RP-Data  |
| 18                          |       | +ltree_sms1                                                                                                                                                                                                                                                                       |                                                                                                                                                                |   |          |
| 19                          |       | +ltree_PrepareEnvironmentPart1                                                                                                                                                                                                                                                    |                                                                                                                                                                |   |          |
| 20                          |       | L!DL_DatRqCpData                                                                                                                                                                                                                                                                  | DatRqCpData(CpDat<br>aPdu_16(TCV_TPOA<br>2, TCV_RPOA2,<br>TCV_SMTypeN,<br>"Third short message.<br>", TCV_ti_v_2,                                              |   | RP-Data  |

|    |  |                                                                        |                                                                                                                                   |  |         |
|----|--|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|--|---------|
| 21 |  |                                                                        | TCV_Rpmr,<br>C_Tzone1),<br>TCV_chSms)                                                                                             |  |         |
| 22 |  | +ltree_sms1                                                            |                                                                                                                                   |  |         |
| 23 |  | +ltree_PrepareEnvironmentPart1<br>L!DL_DatRqCpData                     | DatRqCpData(CpDataPdu_16(TCV_TPOA2, TCV_RPOA2, TCV_SMTypeM, "Fourth short message. ", TCV_ti_v_2, TCV_Rpmr, C_Tzone1), TCV_chSms) |  | RP-Data |
| 24 |  | +ltree_sms1                                                            |                                                                                                                                   |  |         |
| 25 |  | +ltree_PrepareEnvironmentPart1                                         |                                                                                                                                   |  |         |
| 26 |  | L!DL_DatRqCpData                                                       | DatRqCpData(CpDataPdu_16(TCV_TPOA2, TCV_RPOA2, TCV_SMTypeM, "Fifth short message. ", TCV_ti_v_2, TCV_Rpmr, C_Tzone1), TCV_chSms)  |  | RP-Data |
| 27 |  | +ltree_sms1                                                            |                                                                                                                                   |  |         |
| 28 |  | (TCV_Res:=OO_Check<br>AllSMPresentBut4th())                            |                                                                                                                                   |  |         |
| 29 |  | [TCV_Res =FALSE]                                                       |                                                                                                                                   |  | (F)     |
| 30 |  | [TCV_Res =TRUE]                                                        |                                                                                                                                   |  | P       |
| 31 |  | <b>ltree_PrepareEnvironmentPart1</b><br>+RRmtcallprepare(TimingAdv_01) |                                                                                                                                   |  |         |
| 32 |  | +ltree_set_sapi3_SDCCH_MT                                              |                                                                                                                                   |  |         |
| 33 |  | (TCV_ti_v_2:=000'B, TCV_chSms:=TCV_ch)                                 |                                                                                                                                   |  |         |
| 34 |  | <b>ltree_sms1</b><br>START T_dly(25000)                                |                                                                                                                                   |  |         |
| 35 |  | ?TIMEOUT T_dly                                                         |                                                                                                                                   |  | (F)     |
| 36 |  | L?DL_DatInCpDataAck                                                    | DatInCpDataAck(CpDataAckPdu_01(TCV_ti_v_2))                                                                                       |  |         |
| 37 |  | CANCEL T_dly                                                           |                                                                                                                                   |  |         |
| 38 |  | START T_dly(60000)                                                     |                                                                                                                                   |  |         |
| 39 |  | ?TIMEOUT T_dly                                                         |                                                                                                                                   |  | (F)     |
| 40 |  | L?DL_DatInCpData                                                       | DatInCpData(CpDataPdu_02(TCV_ti_v_2, CpData_02(TCV_Rpmr)))                                                                        |  | RP-Ack  |
| 41 |  | CANCEL T_dly                                                           |                                                                                                                                   |  |         |
| 42 |  | L!DL_DatRqCpDataAck                                                    | DatRqCpDataAck(CpDataAckPdu_02(TCV_ti_v_2, TCV_chSms)                                                                             |  |         |
| 43 |  | +ChanRel(TCV_chTch)                                                    |                                                                                                                                   |  |         |
| 44 |  | <b>ltree_set_sapi3_SDCCH_MT</b><br>L!DL_EstRq                          | DLEstRq_01(TCV_ch)                                                                                                                |  |         |
| 45 |  | L?DL_EstCo                                                             | DLEstCo_01(TCV_ch)                                                                                                                |  |         |

Detailed Comments:

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                   |                                                                                                                                                |   |                                                                                                                                        |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Case Name:</b>      |       | TC_34_2_8                                                                                                                                                                                                                                                                         |                                                                                                                                                |   |                                                                                                                                        |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/SM/                                                                                                                                                                                                                                                               |                                                                                                                                                |   |                                                                                                                                        |
| <b>Purpose:</b>             |       | To verify that the MS is able to send a Reply Short Message back to the correct originating SME even if in the meantime it receives another Short Message.                                                                                                                        |                                                                                                                                                |   |                                                                                                                                        |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                                                   |                                                                                                                                                |   |                                                                                                                                        |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                             | CRef                                                                                                                                           | V | Comments                                                                                                                               |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                                                                |                                                                                                                                                |   |                                                                                                                                        |
| 2                           |       | +ltree_preamble                                                                                                                                                                                                                                                                   |                                                                                                                                                |   |                                                                                                                                        |
| 3                           | body  | +ltree_part1                                                                                                                                                                                                                                                                      |                                                                                                                                                |   |                                                                                                                                        |
| 4                           |       | +ltree_part2                                                                                                                                                                                                                                                                      |                                                                                                                                                |   |                                                                                                                                        |
|                             |       | <b>ltree_preamble</b>                                                                                                                                                                                                                                                             |                                                                                                                                                |   |                                                                                                                                        |
| 5                           |       | (TCV_Null:=OO_EmptyMessageStorage())                                                                                                                                                                                                                                              |                                                                                                                                                |   |                                                                                                                                        |
| 6                           |       | +Varinit_fixcommon                                                                                                                                                                                                                                                                |                                                                                                                                                |   |                                                                                                                                        |
| 7                           |       | (TCV_cellid:=C_CellA, TCV_chdescr_arfcn:=<br>C_arfcnA, TCV_ch:= C_FACCHF_A_1,<br>TCV_sacch := OC_SubchOfSacch4(<br>TSPX_SDCCH4SubDef, C_CellA), TCV_PgCh:=<br>C_PCH_A_1, TCV_chTch := C_FACCHF_A_1,<br>TCV_ia_ts:= '000'B, TCV_asscmd_ts :=<br>TSPX_TmSltB, TCV_ts:= TSPX_TmSltB) |                                                                                                                                                |   |                                                                                                                                        |
| 8                           |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                                                              |                                                                                                                                                |   |                                                                                                                                        |
| 9                           |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot,<br>TCV_tsc, TimingAdv_01, '000'B, '001'B,<br>'011'B, '00'O)                                                                                                                                                                             |                                                                                                                                                |   |                                                                                                                                        |
| 10                          |       | +IdleState_cellA(C_Immass,TCV_slot,<br>TCV_tsc, TimingAdv_01, 0, '000'B, '001'B,<br>'011'B, '00'O)                                                                                                                                                                                |                                                                                                                                                |   |                                                                                                                                        |
| 11                          |       | (TCV_RPOA1:='1111111111'O,<br>TCV_RPOA2:='2222222222'O,<br>TCV_RPDA_MT:='3333333333'O,<br>TCV_TPOA1:='4444444444'O,<br>TCV_TPOA2:='5555555555'O,<br>TCV_RPOA_MO:=TCV_RPDA_MT,<br>TCV_RPDA_MO:=TCV_RPOA1,<br>TCV_TPDA:=TCV_TPOA1,<br>TCV_Rpmr:='00'O)                              |                                                                                                                                                |   | n->ms, 1st SM<br>n->ms, 2nd SM<br>n->ms, both<br>n->ms, 1st SM<br>n->ms, 2nd SM<br>ms->n, both<br>ms->n, 1st reply<br>ms->n, 1st reply |
|                             |       | <b>ltree_PrepareEnvironmentPart1</b>                                                                                                                                                                                                                                              |                                                                                                                                                |   |                                                                                                                                        |
| 12                          |       | +RRmtcallprepare(TimingAdv_01)                                                                                                                                                                                                                                                    |                                                                                                                                                |   |                                                                                                                                        |
| 13                          |       | +ltree_set_sapi3_SDCCH_MT                                                                                                                                                                                                                                                         |                                                                                                                                                |   |                                                                                                                                        |
| 14                          |       | (TCV_ti_v_2:= '000'B, TCV_chSms:=TCV_ch)                                                                                                                                                                                                                                          |                                                                                                                                                |   |                                                                                                                                        |
|                             |       | <b>ltree_part1</b>                                                                                                                                                                                                                                                                |                                                                                                                                                |   |                                                                                                                                        |
| 15                          |       | +ltree_PrepareEnvironmentPart1                                                                                                                                                                                                                                                    |                                                                                                                                                |   |                                                                                                                                        |
| 16                          |       | L!DL_DatRqCpData(TCV_Rpmr:='00'O)                                                                                                                                                                                                                                                 | DatRqCpData(CpDat<br>aPdu_17(TCV_TPOA<br>1, TCV_RPOA1,<br>"First short message.<br>", TCV_ti_v_2,<br>TCV_Rpmr,<br>C_Tzone6),<br>TCV_chSms)     |   | RP-Data                                                                                                                                |
| 17                          |       | +ltree_sms1                                                                                                                                                                                                                                                                       |                                                                                                                                                |   |                                                                                                                                        |
| 18                          |       | [TSPC_StoreRcvSMSME OR<br>TSPC_StoreRcvSMSSIM]                                                                                                                                                                                                                                    |                                                                                                                                                |   | SM can be stored                                                                                                                       |
| 19                          |       | +ltree_PrepareEnvironmentPart1                                                                                                                                                                                                                                                    |                                                                                                                                                |   |                                                                                                                                        |
| 20                          |       | L!DL_DatRqCpData                                                                                                                                                                                                                                                                  | DatRqCpData(CpDat<br>aPdu_17(TCV_TPOA<br>2, TCV_RPOA2,<br>"Second short<br>message. ",<br>TCV_ti_v_2,<br>TCV_Rpmr,<br>C_Tzone6),<br>TCV_chSms) |   | RP-Data                                                                                                                                |
| 21                          |       | +ltree_sms1                                                                                                                                                                                                                                                                       |                                                                                                                                                |   |                                                                                                                                        |

|    |                                                                                                                                                    |                                                                                      |                                |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------|
| 22 | <b>ltree_PrepareEnvironmentPart2</b>                                                                                                               |                                                                                      |                                |
| 23 | (TCV_chSms:=TCV_ch)<br>L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                            | ChReq_17                                                                             |                                |
| 24 | ACTIVATE(OtherEventsFail_02)                                                                                                                       |                                                                                      | To match ChReq retrans.        |
| 25 | LIDL_UdatRqImmass                                                                                                                                  | ImmAss_01Def(TCV_<br>agch, TCV_Rr,<br>TCV_Fn, TCV_slot,<br>TCV_tsc,<br>TimingAdv_01) |                                |
| 26 | L?DL_EstInCmsRq                                                                                                                                    | CmsrReq_09                                                                           |                                |
| 27 | ACTIVATE(OtherEventsFail)                                                                                                                          |                                                                                      | Restore normal default<br>tree |
| 28 | +Authentication(TCV_ch, TCV_cksn)                                                                                                                  |                                                                                      |                                |
| 29 | +Cipherring_on(TCV_ch)                                                                                                                             |                                                                                      |                                |
| 30 | +ltree_set_sapi3_SDCCH_MO                                                                                                                          |                                                                                      |                                |
| 31 | <b>ltree_part2</b>                                                                                                                                 |                                                                                      |                                |
| 32 | +ltree_PrepareEnvironmentPart2                                                                                                                     |                                                                                      |                                |
| 33 | (TCV_Null:=OO_DisplaySMAndSendReplySM(1))<br>L?DL_DatInCpData(TCV_Rpmr :=<br>DL_DatInCpData.msg.Cpdata.rpmr,<br>TCV_ti_v:=DL_DatInCpData.msg.ti_v) | DatInCpData(CpData<br>Pdu_18(TCV_TPDA,T<br>CV_RPDA_MT,<br>TCV_RPOA_MO))              | RP-Data                        |
| 34 | +ltree_sms2                                                                                                                                        |                                                                                      | Reply SM                       |
| 35 | +ChanRel(TCV_ch)                                                                                                                                   |                                                                                      |                                |
| 36 | +ltree_PrepareEnvironmentPart2                                                                                                                     |                                                                                      |                                |
| 37 | [TSPC_StoreRcvSMSME OR<br>TSPC_StoreRcvSMSSIM]                                                                                                     |                                                                                      | SM can be stored               |
| 38 | (TCV_RPDA_MO:=TCV_RPOA2,<br>TCV_TPDA:=TCV_TPOA2)                                                                                                   |                                                                                      |                                |
| 39 | (TCV_Null:=OO_DisplaySMAndSend<br>ReplySM(2))                                                                                                      |                                                                                      |                                |
| 40 | L?DL_DatInCpData(TCV_Rpmr :=<br>DL_DatInCpData.msg.Cpdata.rpd<br>a.rpmr,<br>TCV_ti_v:=DL_DatInCpData.msg.ti<br>_v)                                 | DatInCpData(CpData<br>Pdu_18(TCV_TPDA,T<br>CV_RPDA_MT,<br>TCV_RPOA_MO))              | RP-Data                        |
| 41 | +ltree_sms2                                                                                                                                        |                                                                                      | Reply SM                       |
| 42 | +ChanRel_end(TCV_ch)                                                                                                                               |                                                                                      |                                |
| 43 | <b>ltree_sms1</b>                                                                                                                                  |                                                                                      |                                |
| 44 | START T_dly(25000)                                                                                                                                 |                                                                                      | (F)                            |
| 45 | ?TIMEOUT T_dly                                                                                                                                     |                                                                                      |                                |
| 46 | +ChanRel(TCV_chTch)<br>L?DL_DatInCpDataAck                                                                                                         | DatInCpDataAck(CpD<br>ataAckPdu_01(TCV_t<br>i_v_2))                                  |                                |
| 47 | CANCEL T_dly                                                                                                                                       |                                                                                      |                                |
| 48 | START T_dly(60000)                                                                                                                                 |                                                                                      | (F)                            |
| 49 | ?TIMEOUT T_dly                                                                                                                                     |                                                                                      |                                |
| 50 | +ChanRel(TCV_chTch)                                                                                                                                |                                                                                      |                                |
| 51 | L?DL_DatInCpData                                                                                                                                   | DatInCpData(CpData<br>Pdu_02(TCV_ti_v_2,<br>CpData_02(TCV_Rp<br>mr)))                | RP-Ack                         |
| 52 | CANCEL T_dly                                                                                                                                       |                                                                                      |                                |
| 53 | LIDL_DatRqCpDataAck                                                                                                                                | DatRqCpDataAck(Cp<br>DataAckPdu_02(TCV<br>_ti_v_2),<br>TCV_chSms)                    |                                |
| 54 | +ChanRel(TCV_chTch)                                                                                                                                |                                                                                      |                                |
| 55 | <b>ltree_sms2</b>                                                                                                                                  |                                                                                      |                                |
| 56 | LIDL_DatRqCpDataAck                                                                                                                                | DatRqCpDataAck(Cp<br>DataAckPdu_01(TCV<br>_ti_v), TCV_chSms)                         |                                |
| 56 | LIDL_DatRqCpData                                                                                                                                   | DatRqCpData(CpDat<br>aPdu_02(TCV_ti_v,C<br>pData_04(TCV_Rpmr                         | RP-Ack                         |

|    |                                 |                                                   |     |
|----|---------------------------------|---------------------------------------------------|-----|
| 57 | START T_dly(25000)              | )), TCV_chSms)                                    |     |
| 58 | ?TIMEOUT T_dly                  |                                                   | (F) |
| 59 | +ChanRel(TCV_chTch)             |                                                   |     |
| 60 | L?DL_DatInCpDataAck             | DatInCpDataAck(CpD<br>ataAckPdu_02(TCV_t<br>i_v)) |     |
| 61 | CANCEL T_dly                    |                                                   |     |
|    | <b>Itree_set_sapi3_SDCCH_MT</b> |                                                   |     |
| 62 | L!DL_EstRq                      | DLEstRq_01(TCV_ch<br>)                            |     |
| 63 | L?DL_EstCo                      | DLEstCo_01(TCV_ch<br>)                            |     |
|    | <b>Itree_set_sapi3_SDCCH_MO</b> |                                                   |     |
| 64 | L?DL_EstIn                      | DLEstInd_02                                       |     |

Detailed Comments:

| Test Case Dynamic Behaviour |       |                                                                                                                                                                                                                                          |      |     |                                          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|------------------------------------------|
| <b>Test Case Name:</b>      |       | TC_34_3                                                                                                                                                                                                                                  |      |     |                                          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/SM/                                                                                                                                                                                                                      |      |     |                                          |
| <b>Purpose:</b>             |       | This test verifies that an MS is able to receive SMS-CB messages.<br>This test verifies that a MS is able to respond to a paging requested during the transmission of a cell broadcast short message.                                    |      |     |                                          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                          |      |     |                                          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                    | CRef | V   | Comments                                 |
| 1                           |       | START T_guard(300)                                                                                                                                                                                                                       |      |     |                                          |
| 2                           |       | +ltree_preamble                                                                                                                                                                                                                          |      |     |                                          |
| 3                           |       | +ltree_body                                                                                                                                                                                                                              |      |     |                                          |
| <b>ltree_body</b>           |       |                                                                                                                                                                                                                                          |      |     |                                          |
| 4                           |       | +SendSMSCBMessage(SerialNumber_01)                                                                                                                                                                                                       |      |     | Send cell broadcast message              |
| 5                           |       | (TCV_Res:=OO_CheckCBSMReceived())                                                                                                                                                                                                        |      |     |                                          |
| 6                           |       | [TCV_Res =FALSE]                                                                                                                                                                                                                         |      | (F) |                                          |
| 7                           |       | [TCV_Res =TRUE]                                                                                                                                                                                                                          |      | (P) |                                          |
| 8                           |       | +SendSMSCBMessage( SerialNumber_02)                                                                                                                                                                                                      |      |     | Send cell broadcast message              |
| 9                           |       | (TCV_Res:=OO_CheckCBSMReceived())                                                                                                                                                                                                        |      |     |                                          |
| 10                          |       | [TCV_Res =FALSE]                                                                                                                                                                                                                         |      | (F) |                                          |
| 11                          |       | [TCV_Res =TRUE]                                                                                                                                                                                                                          |      | (P) |                                          |
| 12                          |       | +SendSMSCBMessage(<br>SerialNumber_03)                                                                                                                                                                                                   |      |     | Send cell broadcast message              |
| 13                          |       | (TCV_Res:=OO_CheckCBSMReceived(<br>))                                                                                                                                                                                                    |      |     |                                          |
| 14                          |       | [TCV_Res =FALSE]                                                                                                                                                                                                                         |      | (F) |                                          |
| 15                          |       | [TCV_Res =TRUE]                                                                                                                                                                                                                          |      | (P) |                                          |
| 16                          |       | +ltree_body2                                                                                                                                                                                                                             |      |     |                                          |
| <b>ltree_body2</b>          |       |                                                                                                                                                                                                                                          |      |     |                                          |
| 17                          |       | +SendSMSCBMessage( SerialNumber_01)                                                                                                                                                                                                      |      |     | Send cell broadcast message              |
| 18                          |       | (TCV_Res:=OO_CheckCBSMReceived())                                                                                                                                                                                                        |      |     |                                          |
| 19                          |       | [TCV_Res =FALSE]                                                                                                                                                                                                                         |      | (F) |                                          |
| 20                          |       | [TCV_Res =TRUE]                                                                                                                                                                                                                          |      | (P) |                                          |
| 21                          |       | (TCV_Null:=OM_SendSMSCBWhilePaging(TC<br>V_CBch))                                                                                                                                                                                        |      |     | Send cell broadcast message while paging |
| 22                          |       | +SendSMSCBMessage( SerialNumber_02)                                                                                                                                                                                                      |      |     | Send cell broadcast message              |
| 23                          |       | +localtree                                                                                                                                                                                                                               |      |     | Paging. If no answer:<br>FAIL            |
| 24                          |       | (TCV_Res:=OO_CheckCBSMReceived())                                                                                                                                                                                                        |      |     |                                          |
| 25                          |       | [TCV_Res =FALSE]                                                                                                                                                                                                                         |      | (F) |                                          |
| 26                          |       | [TCV_Res =TRUE]                                                                                                                                                                                                                          |      | (P) |                                          |
| 27                          |       | +SendSMSCBMessage(<br>SerialNumber_03)                                                                                                                                                                                                   |      |     | Send cell broadcast message              |
| 28                          |       | (TCV_Res:=OO_CheckCBSMRecei<br>ved())                                                                                                                                                                                                    |      |     |                                          |
| 29                          |       | [TCV_Res =FALSE]                                                                                                                                                                                                                         |      | (F) |                                          |
| 30                          |       | [TCV_Res =TRUE]                                                                                                                                                                                                                          |      | P   |                                          |
| <b>ltree_preamble</b>       |       |                                                                                                                                                                                                                                          |      |     |                                          |
| 31                          |       | +Varinit_fixcommon                                                                                                                                                                                                                       |      |     |                                          |
| 32                          |       | (TCV_cellid:=C_CellA, TCV_CBch := C_CBCH_A,<br>TCV_ch:= C_SDCCH40_A, TCV_sacch :=<br>C_SACCH40_A, TCV_PgCh:= C_PCH_A_1,<br>TCV_agch := C_AGCH_A_1, TCV_Ccd0A:=<br>CntrlChDscrp(0, '000'B, '001'B, '011'B, '00'O),<br>TCV_ia_ts:= '000'B) |      |     |                                          |
| 33                          |       | (TCV_slot := C_S0, TCV_tsc := C_BCC)                                                                                                                                                                                                     |      |     |                                          |
| 34                          |       | +IdleUpdated(C_CellA, C_Immass, TCV_slot,<br>TCV_tsc, TimingAdv_01, '000'B, '001'B, '011'B,<br>'00'O)                                                                                                                                    |      |     |                                          |
| 35                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                 |      |     |                                          |
| 36                          |       | (TCV_chdescr_arfcn := 20)                                                                                                                                                                                                                |      |     |                                          |



|                                                           |                                                                                                    |                                                                                             |                                                   |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------|
| 37                                                        | +StartCellA_CBMS(C_Immass,TCV_slot,<br>TCV_tsc, TimingAdv_01, 0, '000'B,<br>'001'B, '000'B, '00'O) |                                                                                             |                                                   |
| 38                                                        | [TSPC_DCS]                                                                                         |                                                                                             |                                                   |
| 39                                                        | (TCV_chdescr_arfcn := 590)                                                                         |                                                                                             |                                                   |
| 40                                                        | +StartCellA_CBMS(C_Immass,TCV_slot,<br>TCV_tsc, TimingAdv_01, 0, '000'B,<br>'001'B, '000'B, '00'O) |                                                                                             |                                                   |
| <b>localtree</b>                                          |                                                                                                    |                                                                                             |                                                   |
| 41                                                        | +CCCH_group_Paging_group(TCV_Ccd0A,<br>TSPX_IMSI)                                                  |                                                                                             |                                                   |
| 42                                                        | L!DL_UdatRqPg1Rq                                                                                   | PgReq1(TCV_PgCh,<br>TCV_Pgg,<br>PgReqTp1_01)                                                |                                                   |
| 43                                                        | START T_dly(5000)                                                                                  |                                                                                             |                                                   |
| 44                                                        | ?TIMEOUT T_dly                                                                                     |                                                                                             | (F)                                               |
| 45                                                        | L?DL_RaInChRq(TCV_Rr:=DL_RaInChRq.m<br>sg.ecau_rrf, TCV_Fn:=DL_RaInChRq.fn)                        | ChReq_01                                                                                    |                                                   |
| 46                                                        | CANCEL T_dly                                                                                       |                                                                                             |                                                   |
| 47                                                        | L!DL_UdatRqImm                                                                                     | ImmAss_25(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>TimingAdv_01) |                                                   |
| 48                                                        | L?DL_EstInPgRes                                                                                    | PgRes_01                                                                                    |                                                   |
| 49                                                        | +ChanRel(TCV_ch)                                                                                   |                                                                                             |                                                   |
| <b>SendSMSCBMessage(serial_number:<br/>SERIAL_NUMBER)</b> |                                                                                                    |                                                                                             |                                                   |
| 50                                                        | L!DL_UdatRqSMSCBData                                                                               | SMSCBReq_01(TCV<br>_CBch,<br>serial_number)                                                 | First block                                       |
| 51                                                        | L!DL_UdatRqSMSCBData                                                                               | SMSCBReq_02(TCV<br>_CBch,<br>serial_number,<br>'0001'B, '0'B, 17, 38)                       | Second block, message<br>octets 17 to 38          |
| 52                                                        | LIDL_UdatRqSMSCBData                                                                               | SMSCBReq_02(TCV<br>_CBch,<br>serial_number,<br>'0010'B, '0'B, 39, 60)                       | Third block, message<br>octets 39 to 60           |
| 53                                                        | LIDL_UdatRqSMSCBData                                                                               | SMSCBReq_02(TCV<br>_CBch,<br>serial_number,<br>'0011'B, '1'B, 61, 82)                       | Fourth and last block,<br>message octets 61 to 82 |
| <b>Detailed Comments:</b>                                 |                                                                                                    |                                                                                             |                                                   |

## Test Step Library

### Test Step Group management

| Test Step Dynamic Behaviour |       |                                                                                      |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | ChangeRfLev_2Cells(cellid1 :CellID; bspwr1:INTEGER; cellid2 :CellID; bspwr2:INTEGER) |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/                                                          |      |   |          |
| <b>Objective:</b>           |       | To change the RF level of the two cells to the corresponding levels.                 |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                          |      |   |          |
| Nr                          | Label | Behaviour Description                                                                | CRef | V | Comments |
| 1                           |       | (TCV_Null := OM_ChangeRFOf2Cells(cellid1,<br>bspwr1, cellid2, bspwr2))               |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                      |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                       |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | ChConfig(bspwr, mspwr:INTEGER; acttype:BITSTRING; chmod:CHMOD; ta:TA; slot:SN; tsc:TSC; rf:FRQPARA; chcmbn:LOGCH; td, fn:INTEGER; babr, cch_con, bpm:B_3; pgfil:PG1_RQ_PDU; dtxu, dtxd:BITSTRING; cell:CellID; lgch1, lgch2, lgch3, lgch4, lgch5, lgch6, lgch7, lgch8, lgch9:LOGICCH) |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/                                                                                                                                                                                                                                                           |      |   |          |
| <b>Objective:</b>           |       | To configure a basic physical channel with various parameters and map logic channels onto the physical channel.                                                                                                                                                                       |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                           |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                 | CRef | V | Comments |
| 1                           |       | (TCV_Null := OM_ChConf(bspwr, mspwr, acttype, chmod, ta, slot, tsc, rf, chcmbn, td, fn, babr, cch_con, bpm, pgfil, dtxu, dtxd, cell, lgch1, lgch2, lgch3, lgch4, lgch5, lgch6, lgch7, lgch8, lgch9))                                                                                  |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                                                                       |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                           |      |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | IncrRfLev_Cellavail(cellid :CellID)                                                                       |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/                                                                               |      |   |          |
| <b>Objective:</b>           |       | To increase the RF level of given cell so that the cell is suitable as defined in GSM 05.08 section 6.6.2 |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                               |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                     | CRef | V | Comments |
| 1                           |       | (TCV_Null :=OM_IncrRFOfCell(cellid))                                                                      |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                           |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | LowerRfLevelOfCell(cellid :CellID)                                                                                                                                             |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/                                                                                                                                                    |      |   |          |
| <b>Objective:</b>           |       | To lower the RF level of cell cellid so that the MS, which is listening to cell cellid, will select another cell. The old cell is not more suitable during the cell selection. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                    |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                          | CRef | V | Comments |
| 1                           |       | (TCV_Null := OM_LowerRFOfCell(cellid))                                                                                                                                         |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                       |      |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | LowRfLev_Cellavailable(cellid :CellID)                                                                                                                                |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/                                                                                                                                           |      |   |          |
| <b>Objective:</b>           |       | To lower the RF level of cell cellid so that the MS, which is listening to cell cellid, will select another cell. The old cell is suitable during the cell selection. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                           |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                 | CRef | V | Comments |
| 1                           |       | (TCV_Null := OM_LowerRFOfCell(cellid))                                                                                                                                |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                       |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | LowRfLev_Cellnotavail(cellid :CellID)                                                                                                                                          |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/                                                                                                                                                    |      |   |          |
| <b>Objective:</b>           |       | To lower the RF level of cell cellid so that the MS, which is listening to cell cellid, will select another cell. The old cell is not more suitable during the cell selection. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                    |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                          | CRef | V | Comments |
| 1                           |       | (TCV_Null := OM_LowerRFOfCell(cellid))                                                                                                                                         |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                |      |   |          |

| Test Step Dynamic Behaviour |       |                                    |      |   |          |
|-----------------------------|-------|------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | StopCellA                          |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/        |      |   |          |
| <b>Objective:</b>           |       | To deactivate the cell A.          |      |   |          |
| <b>Default:</b>             |       | OtherEvents                        |      |   |          |
| Nr                          | Label | Behaviour Description              | CRef | V | Comments |
| 1                           |       | (TCV_Null := OM_StopCell(C_CellA)) |      |   |          |
| <b>Detailed Comments:</b>   |       |                                    |      |   |          |

| Test Step Dynamic Behaviour |       |                                    |      |   |          |
|-----------------------------|-------|------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | StopCellB                          |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/        |      |   |          |
| <b>Objective:</b>           |       | To deactivate the cell B.          |      |   |          |
| <b>Default:</b>             |       | OtherEvents                        |      |   |          |
| Nr                          | Label | Behaviour Description              | CRef | V | Comments |
| 1                           |       | (TCV_Null := OM_StopCell(C_CellB)) |      |   |          |
| <b>Detailed Comments:</b>   |       |                                    |      |   |          |

| Test Step Dynamic Behaviour |       |                                    |      |   |          |
|-----------------------------|-------|------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | StopCellC                          |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/        |      |   |          |
| <b>Objective:</b>           |       | To deactivate the cell C.          |      |   |          |
| <b>Default:</b>             |       | OtherEvents                        |      |   |          |
| Nr                          | Label | Behaviour Description              | CRef | V | Comments |
| 1                           |       | (TCV_Null := OM_StopCell(C_CellC)) |      |   |          |
| <b>Detailed Comments:</b>   |       |                                    |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                       |      |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | StopAllBCCH                                                           |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/                                           |      |   |          |
| <b>Objective:</b>           |       | To stop the RF transmission of all BCCH channels in all active cells. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                           |      |   |          |
| Nr                          | Label | Behaviour Description                                                 | CRef | V | Comments |
| 1                           |       | (TCV_Null := OM_StopAllBCCH(C_BCCH_A_1))                              |      |   |          |
| 2                           |       | (TCV_Null := OM_StopAllBCCH(C_BCCH_B_1))                              |      |   |          |
| 3                           |       | (TCV_Null := OM_StopAllBCCH(C_BCCH_C_1))                              |      |   |          |
| 4                           |       | (TCV_Null :=<br>OM_StopAllBCCH(C_BCCH_D_1))                           |      |   |          |
| 5                           |       | (TCV_Null :=<br>OM_StopAllBCCH(C_BCCH_E_1))                           |      |   |          |
| 6                           |       | (TCV_Null :=<br>OM_StopAllBCCH(C_BCCH_F_1))                           |      |   |          |
| 7                           |       | (TCV_Null :=<br>OM_StopAllBCCH(C_BCCH_G_1))                           |      |   |          |
| 8                           |       | (TCV_Null :=<br>OM_StopAllBCCH(C_BCCH_H_1))                           |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                       |      |   |          |

| Test Step Dynamic Behaviour |       |                                            |      |   |          |
|-----------------------------|-------|--------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | StopSACCH(ch:LOGICCH)                      |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/                |      |   |          |
| <b>Objective:</b>           |       | To stop the transmission of SACCH channel. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                |      |   |          |
| <b>Comments:</b>            |       | `ch` identifying a SACCH channel           |      |   |          |
| Nr                          | Label | Behaviour Description                      | CRef | V | Comments |
| 1                           |       | (TCV_Null := OM_StopTran(ch, "dummy"))     |      |   |          |
| <b>Detailed Comments:</b>   |       |                                            |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                           |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Stopmaindcch(ch_main:LOGICCH; ch_sacch:LOGICCH)                           |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/                                               |      |   |          |
| <b>Objective:</b>           |       | To stop the transmission of main dcch channel.                            |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                               |      |   |          |
| <b>Comments:</b>            |       | `ch_main` identifying a main dcch channel and `ch_sacch` a sacch channel. |      |   |          |
| Nr                          | Label | Behaviour Description                                                     | CRef | V | Comments |
| 1                           |       | (TCV_Null := OM_StopTran( ch_main, ch_sacch))                             |      |   |          |
| 2                           |       | (TCV_Null:=<br>OM_WaitnomoreSacchinUL(ch_sacch))                          |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                           |      |   |          |

### Test Step Group ChConfig

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                               |      |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Config_CBMS_A_1(par_bspwr, par_mspwr:INTEGER; chmod:CHMOD; acttype:BITSTRING; slot:SN; tsc:TSC; rf:FRQPARA; chcmbn:LOGCH; ta:TA; babr, cch_con, bpm:B_3)                                                                                      |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                                                                          |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map FCCH, SCH, BCCH, CCCH, SDCCH4 and CBCH onto the physical channel which represents cell A.                                                                                                                   |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                   |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                         | CRef | V | Comments |
| 1                           |       | +ChConfig( par_bspwr, par_mspwr, acttype, chmod, ta, slot, tsc, rf, chcmbn, 0, 0, babr, cch_con, bpm, PgReqTp1Norm, '0'B, '0'B, C_CellA, C_FCCH_A, C_SCH_A, C_BCCH_A_1, C_PCH_A_1, C_AGCH_A_1, C_RACH_A_1, C_SDCCH4_A, C_SACCHC4_A, C_CBCH_A) |      |   |          |
| 2                           |       | +Assoc( C_SDCCH4_A, C_SDCCH40_A, C_SDCCH41_A, C_CBCH_A, C_SDCCH43_A, "dummy", "dummy", "dummy", "dummy", C_SACCHC4_A, C_SACCHC40_A, C_SACCHC41_A, C_SACCHC42_A, C_SACCHC43_A, "dummy", "dummy", "dummy", "dummy")                             |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                               |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                          |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Config_FACCHF_A_1(par_bspwr, par_mspwr:INTEGER; chmod:CHMOD; actype:BITSTRING; slot:SN; tsc:TSC; rf:FRQPARA; chcmbn:LOGCH; ta:TA; babr, cch_con, bpm:B_3)                                                                |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                                                     |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's of cell A.                                                                                                                                                               |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                              |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                    | CRef | V | Comments |
| 1                           |       | +ChConfig( par_bspwr, par_mspwr, actype, chmod, ta, slot, tsc, rf, chcmbn, 0, 0, babr, cch_con, bpm, PgReqTp1Norm, '0'B, '0'B, C_CellA, "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy") |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                          |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                          |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Config_FACCHF_A_2(par_bspwr, par_mspwr:INTEGER; chmod:CHMOD; actype:BITSTRING; slot:SN; tsc:TSC; rf:FRQPARA; chcmbn:LOGCH; ta:TA; babr, cch_con, bpm:B_3)                                                                |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                                                     |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's for instance 2 of cell A.                                                                                                                                                |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                              |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                    | CRef | V | Comments |
| 1                           |       | +ChConfig( par_bspwr, par_mspwr, actype, chmod, ta, slot, tsc, rf, chcmbn, 0, 0, babr, cch_con, bpm, PgReqTp1Norm, '0'B, '0'B, C_CellA, "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy") |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                          |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                          |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Config_FACCHF_B_1(par_bspwr, par_mspwr:INTEGER; chmod:CHMOD; actype:BITSTRING; slot:SN; tsc:TSC; rf:FRQPARA; chcmbn:LOGCH; ta:TA; babr, cch_con, bpm:B_3)                                                                |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                                                     |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's of cell B.                                                                                                                                                               |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                              |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                    | CRef | V | Comments |
| 1                           |       | +ChConfig( par_bspwr, par_mspwr, actype, chmod, ta, slot, tsc, rf, chcmbn, 0, 0, babr, cch_con, bpm, PgReqTp1Norm, '0'B, '0'B, C_CellB, "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy") |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                          |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                          |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Config_FACCHF_B_2(par_bspwr, par_mspwr:INTEGER; chmod:CHMOD; actype:BITSTRING; slot:SN; tsc:TSC; rf:FRQPARA; chcmbn:LOGCH; ta:TA; babr, cch_con, bpm:B_3)                                                                |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                                                     |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as second instance of TCHF_ACCH's of cell B.                                                                                                                                            |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                              |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                    | CRef | V | Comments |
| 1                           |       | +ChConfig( par_bspwr, par_mspwr, actype, chmod, ta, slot, tsc, rf, chcmbn, 0, 0, babr, cch_con, bpm, PgReqTp1Norm, '0'B, '0'B, C_CellB, "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy") |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                          |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                     |      |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Config_FACCHF_H_1(par_bspwr, par_mspwr:INTEGER; chmod:CHMOD; acttype:BITSTRING; slot:SN; tsc:TSC; rf:FRQPARA; chcmbn:LOGCH; ta:TA; babr, cch_con, bpm:B_3)                                                                          |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                                                                |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's of cell H.                                                                                                                                                                          |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                         |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                               | CRef | V | Comments |
| 1                           |       | +ChConfig( par_bspwr, par_mspwr, acttype, chmod, ta, slot, tsc, rf, chcmbn, 0, 0, babr, cch_con, bpm, PgReqTp1Norm, '0'B, '0'B, C_CellH, "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", C_FACCHF_H_1, C_SACCHF_H_1, "dummy") |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                     |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                     |      |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Config_FACCHH_A_1(par_bspwr, par_mspwr:INTEGER; chmod:CHMOD; acttype:BITSTRING; slot:SN; tsc:TSC; rf:FRQPARA; chcmbn:LOGCH; ta:TA; babr, cch_con, bpm:B_3)                                                                          |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                                                                |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHH_ACCH's of cell A.                                                                                                                                                                          |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                         |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                               | CRef | V | Comments |
| 1                           |       | +ChConfig( par_bspwr, par_mspwr, acttype, chmod, ta, slot, tsc, rf, chcmbn, 0, 0, babr, cch_con, bpm, PgReqTp1Norm, '0'B, '0'B, C_CellA, "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", C_FACCHH_A_1, C_SACCHH_A_1, "dummy") |      |   |          |
| 2                           |       | +Assoc( C_FACCHH_A_1, C_FACCHH0_A_1, C_FACCHH1_A_1, "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", C_SACCHH_A_1, C_SACCHH0_A_1, C_SACCHH1_A_1, "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy")       |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                     |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                     |      |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Config_FACCHH_A_2(par_bspwr, par_mspwr:INTEGER; chmod:CHMOD; acttype:BITSTRING; slot:SN; tsc:TSC; rf:FRQPARA; chcmbn:LOGCH; ta:TA; babr, cch_con, bpm:B_3)                                                                          |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                                                                |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHH_ACCH's of cell A.                                                                                                                                                                          |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                         |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                               | CRef | V | Comments |
| 1                           |       | +ChConfig( par_bspwr, par_mspwr, acttype, chmod, ta, slot, tsc, rf, chcmbn, 0, 0, babr, cch_con, bpm, PgReqTp1Norm, '0'B, '0'B, C_CellA, "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", C_FACCHH_A_2, C_SACCHH_A_2, "dummy") |      |   |          |
| 2                           |       | +Assoc( C_FACCHH_A_2, C_FACCHH0_A_2, C_FACCHH1_A_2, "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", C_SACCHH_A_2, C_SACCHH0_A_2, C_SACCHH1_A_2, "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy")       |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                     |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                               |      |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Config_FACCHH_B_1(par_bspwr, par_mspwr:INTEGER; chmod:CHMOD; actype:BITSTRING; slot:SN; tsc:TSC; rf:FRQPARA; chcmbn:LOGCH; ta:TA; babr, cch_con, bpm:B_3)                                                                     |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                                                          |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHH_ACCH's of cell B.                                                                                                                                                                    |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                   |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                         | CRef | V | Comments |
| 1                           |       | +ChConfig( par_bspwr, par_mspwr, actype, chmod, ta, slot, tsc, rf, chcmbn, 0, 0, babr, cch_con, bpm, PgReqTp1Norm, '0'B, '0'B, C_CellB, "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy")      |      |   |          |
| 2                           |       | +Assoc( C_FACCHH_B_1, C_FACCHH0_B_1, C_FACCHH1_B_1, "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", C_SACCHH_B_1, C_SACCHH0_B_1, C_SACCHH1_B_1, "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy") |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                               |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                               |      |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Config_FACCHH_B_2(par_bspwr, par_mspwr:INTEGER; chmod:CHMOD; actype:BITSTRING; slot:SN; tsc:TSC; rf:FRQPARA; chcmbn:LOGCH; ta:TA; babr, cch_con, bpm:B_3)                                                                     |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                                                          |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHH_ACCH's of cell B.                                                                                                                                                                    |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                   |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                         | CRef | V | Comments |
| 1                           |       | +ChConfig( par_bspwr, par_mspwr, actype, chmod, ta, slot, tsc, rf, chcmbn, 0, 0, babr, cch_con, bpm, PgReqTp1Norm, '0'B, '0'B, C_CellB, "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy")      |      |   |          |
| 2                           |       | +Assoc( C_FACCHH_B_2, C_FACCHH0_B_2, C_FACCHH1_B_2, "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", C_SACCHH_B_2, C_SACCHH0_B_2, C_SACCHH1_B_2, "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy") |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                               |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                      |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Config_BCCH_CCCH_A_1(par_bspwr, par_mspwr:INTEGER; chmod:CHMOD; actype:BITSTRING; slot:SN; tsc:TSC; rf:FRQPARA; chcmbn:LOGCH; ta:TA; babr, cch_con, bpm:B_3)                                                                         |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                                                                 |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map FCCH, SCH, BCCH and CCCH onto the physical channel which represents cell A.                                                                                                                        |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                          |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                | CRef | V | Comments |
| 1                           |       | +ChConfig( par_bspwr, par_mspwr, actype, chmod, ta, slot, tsc, rf, chcmbn, 0, 0, babr, cch_con, bpm, PgReqTp1Norm, '0'B, '0'B, C_CellA, C_FCCH_A, C_SCH_A, C_BCCH_A_1, C_PCH_A_1, C_AGCH_A_1, C_RACH_A_1, "dummy", "dummy", "dummy") |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                      |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                      |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Config_BCCH_CCCH_A_2(par_bspwr, par_mspwr:INTEGER; chmod:CHMOD; acttype:BITSTRING; slot:SN; tsc:TSC; rf:FRQPARA; chcmbn:LOGCH; ta:TA; babr, cch_con, bpm:B_3)                                                                        |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                                                                 |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map the second BCCH, CCCH onto the physical channel which represents cell A.                                                                                                                           |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                          |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                | CRef | V | Comments |
| 1                           |       | +ChConfig( par_bspwr, par_mspwr, acttype, chmod, ta, slot, tsc, rf, chcmbn, 0, 0, babr, cch_con, bpm, PgReqTp1Norm, '0'B, '0'B, C_CellA, "dummy", "dummy", C_BCCH_A_2, C_PCH_A_2, C_AGCH_A_2, C_RACH_A_2, "dummy", "dummy", "dummy") |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                      |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                      |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Config_BCCH_CCCH_A_3(par_bspwr, par_mspwr:INTEGER; chmod:CHMOD; acttype:BITSTRING; slot:SN; tsc:TSC; rf:FRQPARA; chcmbn:LOGCH; ta:TA; babr, cch_con, bpm:B_3)                                                                        |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                                                                 |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map the third BCCH, CCCH onto the physical channel which represents cell A.                                                                                                                            |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                          |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                | CRef | V | Comments |
| 1                           |       | +ChConfig( par_bspwr, par_mspwr, acttype, chmod, ta, slot, tsc, rf, chcmbn, 0, 0, babr, cch_con, bpm, PgReqTp1Norm, '0'B, '0'B, C_CellA, "dummy", "dummy", C_BCCH_A_3, C_PCH_A_3, C_AGCH_A_3, C_RACH_A_3, "dummy", "dummy", "dummy") |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                      |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                      |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Config_BCCH_CCCH_A_4(par_bspwr, par_mspwr:INTEGER; chmod:CHMOD; acttype:BITSTRING; slot:SN; tsc:TSC; rf:FRQPARA; chcmbn:LOGCH; ta:TA; babr, cch_con, bpm:B_3)                                                                        |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                                                                 |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map the fourth BCCH, CCCH onto the physical channel which represents cell A.                                                                                                                           |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                          |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                | CRef | V | Comments |
| 1                           |       | +ChConfig( par_bspwr, par_mspwr, acttype, chmod, ta, slot, tsc, rf, chcmbn, 0, 0, babr, cch_con, bpm, PgReqTp1Norm, '0'B, '0'B, C_CellA, "dummy", "dummy", C_BCCH_A_4, C_PCH_A_4, C_AGCH_A_4, C_RACH_A_4, "dummy", "dummy", "dummy") |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                      |      |   |          |



| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                       |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Config_BCCH_CCCH_B_1(par_bspwr, par_mspwr:INTEGER; chmod:CHMOD; acttype:BITSTRING; slot:SN; tsc:TSC; rf:FRQPARA; chcmbn:LOGCH; ta:TA; babr, cch_con, bpm:B_3)                                                                         |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                                                                  |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map FCCH, SCH, BCCH and CCCH onto the physical channel which represents cell B.                                                                                                                         |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                           |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                 | CRef | V | Comments |
| 1                           |       | +ChConfig( par_bspwr, par_mspwr, acttype, chmod, ta, slot, tsc, rf, chcmbn, 0, 0, babr, cch_con, bpm, PgReqTp1Norm, '0'B, '0'B, C_CellB, C_FCCH_B, C_SCH_B, C_BCCH_B_1, C_PCH_B_1, C_AGCH_B_1, C_RACH_B_1, "dummy", "dummy", "dummy") |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                       |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                              |      |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Config_SDCCH4_A_1(par_bspwr, par_mspwr:INTEGER; chmod:CHMOD; acttype:BITSTRING; slot:SN; tsc:TSC; rf:FRQPARA; chcmbn:LOGCH; ta:TA; babr, cch_con, bpm:B_3)                                                                                   |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                                                                         |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell A.                                                                                                                        |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                  |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                        | CRef | V | Comments |
| 1                           |       | +ChConfig( par_bspwr, par_mspwr, acttype, chmod, ta, slot, tsc, rf, chcmbn, 0, 0, babr, cch_con, bpm, PgReqTp1Norm, '0'B, '0'B, C_CellA, C_FCCH_A, C_SCH_A, C_BCCH_A_1, C_PCH_A_1, C_AGCH_A_1, C_RACH_A_1, C_SDCCH4_A, C_SACCHC4_A, "dummy") |      |   |          |
| 2                           |       | +Assoc( C_SDCCH4_A, C_SDCCH40_A, C_SDCCH41_A, C_SDCCH42_A, C_SDCCH43_A, "dummy", "dummy", "dummy", "dummy", C_SACCHC4_A, C_SACCHC40_A, C_SACCHC41_A, C_SACCHC42_A, C_SACCHC43_A, "dummy", "dummy", "dummy", "dummy")                         |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                              |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                              |      |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Config_SDCCH4_B_1(par_bspwr, par_mspwr:INTEGER; chmod:CHMOD; acttype:BITSTRING; slot:SN; tsc:TSC; rf:FRQPARA; chcmbn:LOGCH; ta:TA; babr, cch_con, bpm:B_3)                                                                                   |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                                                                         |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell B.                                                                                                                        |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                  |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                        | CRef | V | Comments |
| 1                           |       | +ChConfig( par_bspwr, par_mspwr, acttype, chmod, ta, slot, tsc, rf, chcmbn, 0, 0, babr, cch_con, bpm, PgReqTp1Norm, '0'B, '0'B, C_CellB, C_FCCH_B, C_SCH_B, C_BCCH_B_1, C_PCH_B_1, C_AGCH_B_1, C_RACH_B_1, C_SDCCH4_B, C_SACCHC4_B, "dummy") |      |   |          |
| 2                           |       | +Assoc( C_SDCCH4_B, C_SDCCH40_B, C_SDCCH41_B, C_SDCCH42_B, C_SDCCH43_B, "dummy", "dummy", "dummy", "dummy", C_SACCHC4_B, C_SACCHC40_B, C_SACCHC41_B, C_SACCHC42_B, C_SACCHC43_B, "dummy", "dummy", "dummy", "dummy")                         |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                              |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                              |      |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Config_SDCCH4_C_1(par_bspwr, par_mspwr:INTEGER; chmod:CHMOD; acttype:BITSTRING; slot:SN; tsc:TSC; rf:FRQPARA; chcmbn:LOGCH; ta:TA; babr, cch_con, bpm:B_3)                                                                                   |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                                                                         |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell C.                                                                                                                        |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                  |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                        | CRef | V | Comments |
| 1                           |       | +ChConfig( par_bspwr, par_mspwr, acttype, chmod, ta, slot, tsc, rf, chcmbn, 0, 0, babr, cch_con, bpm, PgReqTp1Norm, '0'B, '0'B, C_CellC, C_FCCH_C, C_SCH_C, C_BCCH_C_1, C_PCH_C_1, C_AGCH_C_1, C_RACH_C_1, C_SDCCH4_C, C_SACCHC4_C, "dummy") |      |   |          |
| 2                           |       | +Assoc( C_SDCCH4_C, C_SDCCH40_C, C_SDCCH41_C, C_SDCCH42_C, C_SDCCH43_C, "dummy", "dummy", "dummy", "dummy", C_SACCHC4_C, C_SACCHC40_C, C_SACCHC41_C, C_SACCHC42_C, C_SACCHC43_C, "dummy", "dummy", "dummy", "dummy")                         |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                              |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                              |      |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Config_SDCCH4_D_1(par_bspwr, par_mspwr:INTEGER; chmod:CHMOD; acttype:BITSTRING; slot:SN; tsc:TSC; rf:FRQPARA; chcmbn:LOGCH; ta:TA; babr, cch_con, bpm:B_3)                                                                                   |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                                                                         |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell D                                                                                                                         |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                  |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                        | CRef | V | Comments |
| 1                           |       | +ChConfig( par_bspwr, par_mspwr, acttype, chmod, ta, slot, tsc, rf, chcmbn, 0, 0, babr, cch_con, bpm, PgReqTp1Norm, '0'B, '0'B, C_CellD, C_FCCH_D, C_SCH_D, C_BCCH_D_1, C_PCH_D_1, C_AGCH_D_1, C_RACH_D_1, C_SDCCH4_D, C_SACCHC4_D, "dummy") |      |   |          |
| 2                           |       | +Assoc( C_SDCCH4_D, C_SDCCH40_D, C_SDCCH41_D, C_SDCCH42_D, C_SDCCH43_D, "dummy", "dummy", "dummy", "dummy", C_SACCHC4_D, C_SACCHC40_D, C_SACCHC41_D, C_SACCHC42_D, C_SACCHC43_D, "dummy", "dummy", "dummy", "dummy")                         |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                              |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                             |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Config_SDCCH4_E_1(par_bspwr, par_mspwr:INTEGER; chmod:CHMOD; actype:BITSTRING; slot:SN; tsc:TSC; rf:FRQPARA; chcmbn:LOGCH; ta:TA; babr, cch_con, bpm:B_3)                                                                                   |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                                                                        |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell E                                                                                                                        |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                 |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                       | CRef | V | Comments |
| 1                           |       | +ChConfig( par_bspwr, par_mspwr, actype, chmod, ta, slot, tsc, rf, chcmbn, 0, 0, babr, cch_con, bpm, PgReqTp1Norm, '0'B, '0'B, C_CellE, C_FCCH_E, C_SCH_E, C_BCCH_E_1, C_PCH_E_1, C_AGCH_E_1, C_RACH_E_1, C_SDCCH4_E, C_SACCHC4_E, "dummy") |      |   |          |
| 2                           |       | +Assoc( C_SDCCH4_E, C_SDCCH40_E, C_SDCCH41_E, C_SDCCH42_E, C_SDCCH43_E, "dummy", "dummy", "dummy", "dummy", C_SACCHC4_E, C_SACCHC40_E, C_SACCHC41_E, C_SACCHC42_E, C_SACCHC43_E, "dummy", "dummy", "dummy", "dummy")                        |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                             |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                             |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Config_SDCCH4_F_1(par_bspwr, par_mspwr:INTEGER; chmod:CHMOD; actype:BITSTRING; slot:SN; tsc:TSC; rf:FRQPARA; chcmbn:LOGCH; ta:TA; babr, cch_con, bpm:B_3)                                                                                   |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                                                                        |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell F                                                                                                                        |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                 |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                       | CRef | V | Comments |
| 1                           |       | +ChConfig( par_bspwr, par_mspwr, actype, chmod, ta, slot, tsc, rf, chcmbn, 0, 0, babr, cch_con, bpm, PgReqTp1Norm, '0'B, '0'B, C_CellF, C_FCCH_F, C_SCH_F, C_BCCH_F_1, C_PCH_F_1, C_AGCH_F_1, C_RACH_F_1, C_SDCCH4_F, C_SACCHC4_F, "dummy") |      |   |          |
| 2                           |       | +Assoc( C_SDCCH4_F, C_SDCCH40_F, C_SDCCH41_F, C_SDCCH42_F, C_SDCCH43_F, "dummy", "dummy", "dummy", "dummy", C_SACCHC4_F, C_SACCHC40_F, C_SACCHC41_F, C_SACCHC42_F, C_SACCHC43_F, "dummy", "dummy", "dummy", "dummy")                        |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                             |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                             |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Config_SDCCH4_G_1(par_bspwr, par_mspwr:INTEGER; chmod:CHMOD; acttype:BITSTRING; slot:SN; tsc:TSC; rf:FRQPARA; chcmbn:LOGCH; ta:TA; babr, cch_con, bpm:B_3)                                                                                  |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                                                                        |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell G                                                                                                                        |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                 |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                       | CRef | V | Comments |
| 1                           |       | +ChConfig(par_bspwr, par_mspwr, acttype, chmod, ta, slot, tsc, rf, chcmbn, 0, 0, babr, cch_con, bpm, PgReqTp1Norm, '0'B, '0'B, C_CellG, C_FCCH_G, C_SCH_G, C_BCCH_G_1, C_PCH_G_1, C_AGCH_G_1, C_RACH_G_1, C_SDCCH4_G, C_SACCHC4_G, "dummy") |      |   |          |
| 2                           |       | +Assoc(C_SDCCH4_G, C_SDCCH40_G, C_SDCCH41_G, C_SDCCH42_G, C_SDCCH43_G, "dummy", "dummy", "dummy", "dummy", C_SACCHC4_G, C_SACCHC40_G, C_SACCHC41_G, C_SACCHC42_G, C_SACCHC43_G, "dummy", "dummy", "dummy", "dummy")                         |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                             |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                             |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Config_SDCCH4_H_1(par_bspwr, par_mspwr:INTEGER; chmod:CHMOD; acttype:BITSTRING; slot:SN; tsc:TSC; rf:FRQPARA; chcmbn:LOGCH; ta:TA; babr, cch_con, bpm:B_3)                                                                                  |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                                                                        |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell H                                                                                                                        |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                 |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                       | CRef | V | Comments |
| 1                           |       | +ChConfig(par_bspwr, par_mspwr, acttype, chmod, ta, slot, tsc, rf, chcmbn, 0, 0, babr, cch_con, bpm, PgReqTp1Norm, '0'B, '0'B, C_CellH, C_FCCH_H, C_SCH_H, C_BCCH_H_1, C_PCH_H_1, C_AGCH_H_1, C_RACH_H_1, C_SDCCH4_H, C_SACCHC4_H, "dummy") |      |   |          |
| 2                           |       | +Assoc(C_SDCCH4_H, C_SDCCH40_H, C_SDCCH41_H, C_SDCCH42_H, C_SDCCH43_H, "dummy", "dummy", "dummy", "dummy", C_SACCHC4_H, C_SACCHC40_H, C_SACCHC41_H, C_SACCHC42_H, C_SACCHC43_H, "dummy", "dummy", "dummy", "dummy")                         |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                             |      |   |          |



| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                              |      |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Config_SDCCH8_A_3(par_bspwr, par_mspwr:INTEGER; chmod:CHMOD; acttype:BITSTRING; slot:SN; tsc:TSC; rf:FRQPARA; chcmbn:LOGCH; ta:TA; babr, cch_con, bpm:B_3)                                                                                                                                   |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                                                                                                                         |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as SDCCH8 channel for instance 3 of cell A.                                                                                                                                                                                                                 |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                  |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                        | CRef | V | Comments |
| 1                           |       | +ChConfig( par_bspwr, par_mspwr, acttype, chmod, ta, slot, tsc, rf, chcmbn, 0, 0, babr, cch_con, bpm, PgReqTp1Norm, '0'B, '0'B, C_CellA, "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy")                                         |      |   |          |
| 2                           |       | +Assoc( C_SDCCH8_A_3, C_SDCCH80_A_3, C_SDCCH81_A_3, C_SDCCH82_A_3, C_SDCCH83_A_3, C_SDCCH84_A_3, C_SDCCH85_A_3, C_SDCCH86_A_3, C_SDCCH87_A_3, C_SACCHC8_A_3, C_SACCHC80_A_3, C_SACCHC81_A_3, C_SACCHC82_A_3, C_SACCHC83_A_3, C_SACCHC84_A_3, C_SACCHC85_A_3, C_SACCHC86_A_3, C_SACCHC87_A_3) |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                                                                              |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                              |      |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Config_SDCCH8_B_1(par_bspwr, par_mspwr:INTEGER; chmod:CHMOD; acttype:BITSTRING; slot:SN; tsc:TSC; rf:FRQPARA; chcmbn:LOGCH; ta:TA; babr, cch_con, bpm:B_3)                                                                                                                                   |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                                                                                                                         |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as SDCCH8 channel for instance 1 of cell B.                                                                                                                                                                                                                 |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                  |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                        | CRef | V | Comments |
| 1                           |       | +ChConfig( par_bspwr, par_mspwr, acttype, chmod, ta, slot, tsc, rf, chcmbn, 0, 0, babr, cch_con, bpm, PgReqTp1Norm, '0'B, '0'B, C_CellA, "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy")                                         |      |   |          |
| 2                           |       | +Assoc( C_SDCCH8_B_1, C_SDCCH80_B_1, C_SDCCH81_B_1, C_SDCCH82_B_1, C_SDCCH83_B_1, C_SDCCH84_B_1, C_SDCCH85_B_1, C_SDCCH86_B_1, C_SDCCH87_B_1, C_SACCHC8_B_1, C_SACCHC80_B_1, C_SACCHC81_B_1, C_SACCHC82_B_1, C_SACCHC83_B_1, C_SACCHC84_B_1, C_SACCHC85_B_1, C_SACCHC86_B_1, C_SACCHC87_B_1) |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                                                                              |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                              |      |   |          |
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| <b>Test Step Name:</b>      |       | Config_SDCCH8_B_2(par_bspwr, par_mspwr:INTEGER; chmod:CHMOD; acttype:BITSTRING; slot:SN; tsc:TSC; rf:FRQPARA; chcmbn:LOGCH; ta:TA; babr, cch_con, bpm:B_3)                                                                                                                                   |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                                                                                                                         |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as SDCCH8 channel for instance 2 of cell B.                                                                                                                                                                                                                 |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                  |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                        | CRef | V | Comments |
| 1                           |       | +ChConfig( par_bspwr, par_mspwr, acttype, chmod, ta, slot, tsc, rf, chcmbn, 0, 0, babr, cch_con, bpm, PgReqTp1Norm, '0'B, '0'B, C_CellA, "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy", "dummy")                                                                    |      |   |          |
| 2                           |       | +Assoc( C_SDCCH8_B_2, C_SDCCH80_B_2, C_SDCCH81_B_2, C_SDCCH82_B_2, C_SDCCH83_B_2, C_SDCCH84_B_2, C_SDCCH85_B_2, C_SDCCH86_B_2, C_SDCCH87_B_2, C_SACCHC8_B_2, C_SACCHC80_B_2, C_SACCHC81_B_2, C_SACCHC82_B_2, C_SACCHC83_B_2, C_SACCHC84_B_2, C_SACCHC85_B_2, C_SACCHC86_B_2, C_SACCHC87_B_2) |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                                                                              |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                      |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | CombinedBCCH_A_CBMS(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                              |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                 |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell A.                |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                          |      |   |          |
| <b>Comments:</b>            |       | time slot = 0, ARFCN = 20 (GSM900) or ARFCN = 590 (DCS1800) cell A for RR testing.                                                   |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                             |      |   | 1.       |
| 2                           |       | +Config_CBMS_A_1(63, 19, ChMod_sign, acttype, slot, tsc, FreqBCCHa_rg, C_FCCH_SCH_BCCH_CCCH_SDCCH4_SACCHC 4, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | [TSPC_DCS]                                                                                                                           |      |   | 2.       |
| 4                           |       | +Config_CBMS_A_1(63, 15, ChMod_sign, acttype, slot, tsc, FreqBCCHa_rd, C_FCCH_SCH_BCCH_CCCH_SDCCH4_SACCHC 4, ta, babr, cch_con, bpm) |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                      |      |   |          |
| 1. For P-GSM900.            |       |                                                                                                                                      |      |   |          |
| 2. For DCS1800.             |       |                                                                                                                                      |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                       |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | CombinedBCCH_A(par_bspwr:INTEGER; frq1, frq2:FRQPARA; acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)             |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                  |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell A.                 |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                           |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                 | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                              |      |   | 1.       |
| 2                           |       | +Config_SDCCH4_A_1(par_bspwr, 19, ChMod_sign, acttype, slot, tsc, frq1, C_FCCH_SCH_BCCH_CCCH_SDCCH4_SACCHC 4, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | [TSPC_DCS]                                                                                                                            |      |   | 2.       |
| 4                           |       | +Config_SDCCH4_A_1(par_bspwr, 15, ChMod_sign, acttype, slot, tsc, frq2, C_FCCH_SCH_BCCH_CCCH_SDCCH4_SACCHC 4, ta, babr, cch_con, bpm) |      |   |          |
| <b>Detailed Comments:</b>   |       | 1. For P-GSM900.<br>2. For DCS1800.                                                                                                   |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                       |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | CombinedBCCH_B(par_bspwr:INTEGER; frq1, frq2:FRQPARA; acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)             |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                  |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell B.                 |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                           |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                 | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                              |      |   | 1.       |
| 2                           |       | +Config_SDCCH4_B_1(par_bspwr, 19, ChMod_sign, acttype, slot, tsc, frq1, C_FCCH_SCH_BCCH_CCCH_SDCCH4_SACCHC 4, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | [TSPC_DCS]                                                                                                                            |      |   | 2.       |
| 4                           |       | +Config_SDCCH4_B_1(par_bspwr, 15, ChMod_sign, acttype, slot, tsc, frq2, C_FCCH_SCH_BCCH_CCCH_SDCCH4_SACCHC 4, ta, babr, cch_con, bpm) |      |   |          |
| <b>Detailed Comments:</b>   |       | 1. For P-GSM900.<br>2. For DCS1800.                                                                                                   |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                       |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | CombinedBCCH_C(par_bspwr:INTEGER; frq1, frq2:FRQPARA; acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)             |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                  |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell C.                 |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                           |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                 | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                              |      |   | 1.       |
| 2                           |       | +Config_SDCCH4_C_1(par_bspwr, 19, ChMod_sign, acttype, slot, tsc, frq1, C_FCCH_SCH_BCCH_CCCH_SDCCH4_SACCHC 4, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | [TSPC_DCS]                                                                                                                            |      |   | 2.       |
| 4                           |       | +Config_SDCCH4_C_1(par_bspwr, 15, ChMod_sign, acttype, slot, tsc, frq2, C_FCCH_SCH_BCCH_CCCH_SDCCH4_SACCHC 4, ta, babr, cch_con, bpm) |      |   |          |
| <b>Detailed Comments:</b>   |       | 1. For P-GSM900.<br>2. For DCS1800.                                                                                                   |      |   |          |



| Test Step Dynamic Behaviour |       |                                                                                                                                      |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | CombinedBCCH_D(par_bspwr:INTEGER; frq1, frq2:FRQPARA; actype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)             |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                 |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell D.                |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                          |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                             |      |   | 1.       |
| 2                           |       | +Config_SDCCH4_D_1(par_bspwr, 19, ChMod_sign, actype, slot, tsc, frq1, C_FCCH_SCH_BCCH_CCCH_SDCCH4_SACCHC 4, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | [TSPC_DCS]                                                                                                                           |      |   | 2.       |
| 4                           |       | +Config_SDCCH4_D_1(par_bspwr, 15, ChMod_sign, actype, slot, tsc, frq2, C_FCCH_SCH_BCCH_CCCH_SDCCH4_SACCHC 4, ta, babr, cch_con, bpm) |      |   |          |
| <b>Detailed Comments:</b>   |       | 1. For P-GSM900.<br>2. For DCS1800.                                                                                                  |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                      |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | CombinedBCCH_E(par_bspwr:INTEGER; frq1, frq2:FRQPARA; actype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)             |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                 |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell E.                |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                          |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                             |      |   | 1.       |
| 2                           |       | +Config_SDCCH4_E_1(par_bspwr, 19, ChMod_sign, actype, slot, tsc, frq1, C_FCCH_SCH_BCCH_CCCH_SDCCH4_SACCHC 4, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | [TSPC_DCS]                                                                                                                           |      |   | 2.       |
| 4                           |       | +Config_SDCCH4_E_1(par_bspwr, 15, ChMod_sign, actype, slot, tsc, frq2, C_FCCH_SCH_BCCH_CCCH_SDCCH4_SACCHC 4, ta, babr, cch_con, bpm) |      |   |          |
| <b>Detailed Comments:</b>   |       | 1. For P-GSM900.<br>2. For DCS1800.                                                                                                  |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                      |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | CombinedBCCH_F(par_bspwr:INTEGER; frq1, frq2:FRQPARA; actype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)             |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                 |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell F.                |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                          |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                             |      |   | 1.       |
| 2                           |       | +Config_SDCCH4_F_1(par_bspwr, 19, ChMod_sign, actype, slot, tsc, frq1, C_FCCH_SCH_BCCH_CCCH_SDCCH4_SACCHC 4, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | [TSPC_DCS]                                                                                                                           |      |   | 2.       |
| 4                           |       | +Config_SDCCH4_F_1(par_bspwr, 15, ChMod_sign, actype, slot, tsc, frq2, C_FCCH_SCH_BCCH_CCCH_SDCCH4_SACCHC 4, ta, babr, cch_con, bpm) |      |   |          |
| <b>Detailed Comments:</b>   |       | 1. For P-GSM900.<br>2. For DCS1800.                                                                                                  |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                       |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | CombinedBCCH_G(par_bspwr:INTEGER; frq1, frq2:FRQPARA; acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)             |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                  |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell G.                 |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                           |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                 | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                              |      |   | 1.       |
| 2                           |       | +Config_SDCCH4_G_1(par_bspwr, 19, ChMod_sign, acttype, slot, tsc, frq1, C_FCCH_SCH_BCCH_CCCH_SDCCH4_SACCHC 4, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | [TSPC_DCS]                                                                                                                            |      |   | 2.       |
| 4                           |       | +Config_SDCCH4_G_1(par_bspwr, 15, ChMod_sign, acttype, slot, tsc, frq2, C_FCCH_SCH_BCCH_CCCH_SDCCH4_SACCHC 4, ta, babr, cch_con, bpm) |      |   |          |
| <b>Detailed Comments:</b>   |       | 1. For P-GSM900.<br>2. For DCS1800.                                                                                                   |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                       |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | CombinedBCCH_G_sp(par_bspwr:INTEGER; frq1, frq2, frq3:FRQPARA; acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)    |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                  |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell G.                 |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                           |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                 | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM]                                                                                                                           |      |   | 1.       |
| 2                           |       | +Config_SDCCH4_G_1(par_bspwr, 19, ChMod_sign, acttype, slot, tsc, frq1, C_FCCH_SCH_BCCH_CCCH_SDCCH4_SACCHC 4, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | [TSPC_EGSM]                                                                                                                           |      |   | 1.       |
| 4                           |       | +Config_SDCCH4_G_1(par_bspwr, 19, ChMod_sign, acttype, slot, tsc, frq2, C_FCCH_SCH_BCCH_CCCH_SDCCH4_SACCHC 4, ta, babr, cch_con, bpm) |      |   |          |
| 5                           |       | [TSPC_DCS]                                                                                                                            |      |   | 2.       |
| 6                           |       | +Config_SDCCH4_G_1(par_bspwr, 15, ChMod_sign, acttype, slot, tsc, frq3, C_FCCH_SCH_BCCH_CCCH_SDCCH4_SACCHC 4, ta, babr, cch_con, bpm) |      |   |          |
| <b>Detailed Comments:</b>   |       | 1. For P-GSM900.<br>2. For DCS1800.                                                                                                   |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                       |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | CombinedBCCH_H(par_bspwr:INTEGER; frq1, frq2:FRQPARA; acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)             |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                  |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell H.                 |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                           |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                 | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                              |      |   | 1.       |
| 2                           |       | +Config_SDCCH4_H_1(par_bspwr, 19, ChMod_sign, acttype, slot, tsc, frq1, C_FCCH_SCH_BCCH_CCCH_SDCCH4_SACCHC 4, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | [TSPC_DCS]                                                                                                                            |      |   | 2.       |
| 4                           |       | +Config_SDCCH4_H_1(par_bspwr, 15, ChMod_sign, acttype, slot, tsc, frq2, C_FCCH_SCH_BCCH_CCCH_SDCCH4_SACCHC 4, ta, babr, cch_con, bpm) |      |   |          |
| <b>Detailed Comments:</b>   |       | 1. For P-GSM900.<br>2. For DCS1800.                                                                                                   |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                              |      |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | NonCombinedBCCH_A(par_bspwr:INTEGER; frq1, frq2:FRQPARA; acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3) |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                         |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as FCHH_SCH_BCCH_CCCH for cell A.                                                           |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                  |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                        | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                     |      |   | 1.       |
| 2                           |       | +Config_BCCH_CCCH_A_1(par_bspwr, 19, ChMod_sign, acttype, slot, tsc, frq1, C_FCCH_SCH_BCCH_CCCH, ta, babr, cch_con, bpm)     |      |   |          |
| 3                           |       | [TSPC_DCS]                                                                                                                   |      |   | 2.       |
| 4                           |       | +Config_BCCH_CCCH_A_1(par_bspwr, 15, ChMod_sign, acttype, slot, tsc, frq2, C_FCCH_SCH_BCCH_CCCH, ta, babr, cch_con, bpm)     |      |   |          |
| <b>Detailed Comments:</b>   |       | 1. For P-GSM900.<br>2. For DCS1800.                                                                                          |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                    |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | NonCombinedBCCH_A_2(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                            |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                               |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map the second BCCH, CCCH onto the physical channel which represents cell A.         |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                        |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                              | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                           |      |   | 1.       |
| 2                           |       | +Config_BCCH_CCCH_A_2(63, 19, ChMod_sign, acttype, slot, tsc, FreqBCCHa_rg, C_BCCH_CCCH_2, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | [TSPC_DCS]                                                                                                         |      |   | 2.       |
| 4                           |       | +Config_BCCH_CCCH_A_2(63, 15, ChMod_sign, acttype, slot, tsc, FreqBCCHa_rd, C_BCCH_CCCH_2, ta, babr, cch_con, bpm) |      |   |          |
| <b>Detailed Comments:</b>   |       | 1. For P-GSM900.<br>2. For DCS1800.                                                                                |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                    |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | NonCombinedBCCH_A_3(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                            |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                               |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map the third BCCH, CCCH onto the physical channel which represents cell A.          |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                        |      |   |          |
| <b>Comments:</b>            |       | time slot = 4, ARFCN = TSPX_BCCHcarrierA                                                                           |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                              | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                           |      |   | 1.       |
| 2                           |       | +Config_BCCH_CCCH_A_3(63, 19, ChMod_sign, acttype, slot, tsc, FreqBCCHa_rg, C_BCCH_CCCH_3, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | [TSPC_DCS]                                                                                                         |      |   | 2.       |
| 4                           |       | +Config_BCCH_CCCH_A_3(63, 15, ChMod_sign, acttype, slot, tsc, FreqBCCHa_rd, C_BCCH_CCCH_3, ta, babr, cch_con, bpm) |      |   |          |
| <b>Detailed Comments:</b>   |       | 1. For P-GSM900.<br>2. For DCS1800.                                                                                |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                    |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | NonCombinedBCCH_A_4(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                            |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                               |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map the fourth BCCH, CCCH onto the physical channel which represents cell A.         |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                        |      |   |          |
| <b>Comments:</b>            |       | time slot = 6, ARFCN = TSPX_BCCHcarrierA                                                                           |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                              | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                           |      |   | 1.       |
| 2                           |       | +Config_BCCH_CCCH_A_4(63, 19, ChMod_sign, acttype, slot, tsc, FreqBCCHa_rg, C_BCCH_CCCH_4, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | [TSPC_DCS]                                                                                                         |      |   | 2.       |
| 4                           |       | +Config_BCCH_CCCH_A_4(63, 15, ChMod_sign, acttype, slot, tsc, FreqBCCHa_rd, C_BCCH_CCCH_4, ta, babr, cch_con, bpm) |      |   |          |
| <b>Detailed Comments:</b>   |       | 1. For P-GSM900.<br>2. For DCS1800.                                                                                |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                           |      |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | NonCombinedBCCH_B(par_bspwr:INTEGER; frq1, frq2:FRQPARAM; acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)             |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                      |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map FCCH, SCH, BCCH, CCCH onto the physical channel which represents cell B for RR testing.                 |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                               |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                     | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM = TRUE]                                                                                                                        |      |   | 1.       |
| 2                           |       | +Config_BCCH_CCCH_B_1(par_bspwr, 19, ChMod_sign, acttype, slot, tsc, frq1, C_FCCH_SCH_BCCH_CCCH, ta, babr, cch_con, bpm)                  |      |   |          |
| 3                           |       | [TSPC_DCS = TRUE]                                                                                                                         |      |   | 2.       |
| 4                           |       | +Config_BCCH_CCCH_B_1(par_bspwr, 15, ChMod_sign, acttype, slot, tsc, frq2, C_FCCH_SCH_BCCH_CCCH, ta, babr, cch_con, bpm)                  |      |   |          |
| <b>Detailed Comments:</b>   |       | 1. For P-GSM900.<br>1.1 Frequenz and cell_id for cell B in HO cases<br>2. For DCS1800.<br>2.1 Frequenz and cell_id for cell B in HO cases |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                      |      |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_A_def(acttype:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3)                               |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                 |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's for instance 1 of cell A.                                            |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                          |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                             |      |   |          |
| 2                           |       | +Config_FACCHF_A_1(63, 19, ChMod_speech, acttypeT, slotT, tscT, FreqTCHa_rg, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                      |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                           |      |   |          |
| 5                           |       | +Config_FACCHF_A_1(63, 15, ChMod_speech, acttypeT, slotT, tscT, FreqTCHa_rd, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                      |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                      |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                 |      |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_A_1_im(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                           |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                            |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's for instance 1 of cell A.                                       |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                     |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                           | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                        |      |   |          |
| 2                           |       | +Config_FACCHF_A_1(63, 19, ChMod_sign, acttype, slot, tsc, FreqTCHa_rg, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                 |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                      |      |   |          |
| 5                           |       | +Config_FACCHF_A_1(63, 15, ChMod_sign, acttype, slot, tsc, FreqTCHa_rd, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                 |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                 |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                 |      |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_A_im_def(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                         |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                            |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's for instance 1 of cell A.                                       |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                     |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                           | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                        |      |   |          |
| 2                           |       | +Config_FACCHF_A_1(63, 19, ChMod_sign, acttype, slot, tsc, FreqTCHa_rg, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                 |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                      |      |   |          |
| 5                           |       | +Config_FACCHF_A_1(63, 15, ChMod_sign, acttype, slot, tsc, FreqTCHa_rd, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                 |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                 |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                    |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_A_1_1(acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3)                            |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                               |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's for instance 1 of cell A.                                          |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                        |      |   |          |
| <b>Comments:</b>            |       | ARFCN= 124 for GSM900, ARFCN = 801 for DCS1800, different from FullRateCh_A_1                                      |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                              | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                           |      |   |          |
| 2                           |       | +Config_FACCHF_A_1(63, 19, ChMod_speech, acttypeT, slotT, tscT, FreqTCHa1, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                    |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                         |      |   |          |
| 5                           |       | +Config_FACCHF_A_1(63, 15, ChMod_speech, acttypeT, slotT, tscT, FreqTCHa2, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                    |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                    |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                    |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_A_1_2(acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3)                            |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                               |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's for instance 1 of cell A.                                          |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                        |      |   |          |
| <b>Comments:</b>            |       | ARFCN= 50 for GSM900, ARFCN = 750 for DCS1800, different from FullRateCh_A_1 and FullRateCh_A_1_1                  |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                              | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                           |      |   |          |
| 2                           |       | +Config_FACCHF_A_1(63, 19, ChMod_speech, acttypeT, slotT, tscT, FreqTCHa3, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                    |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                         |      |   |          |
| 5                           |       | +Config_FACCHF_A_1(63, 15, ChMod_speech, acttypeT, slotT, tscT, FreqTCHa4, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                    |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                    |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                               |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_A_1_9(actypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3)                        |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                          |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's for instance 1 of cell A for TC_26_6_13_1.                    |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                   |      |   |          |
| <b>Comments:</b>            |       | used as before time channel.                                                                                  |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                         | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                      |      |   |          |
| 2                           |       | +Config_FACCHF_A_1(63, 19, ChMod_r01, actypeT, slotT, tscT, Freq_rg2, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                               |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                    |      |   |          |
| 5                           |       | +Config_FACCHF_A_1(63, 15, ChMod_r01, actypeT, slotT, tscT, Freq_rd2, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                               |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                               |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                               |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_A_1_10(actypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3)                       |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                          |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's for instance 1 of cell A for TC_26_6_13_2.                    |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                   |      |   |          |
| <b>Comments:</b>            |       | used as after time channel.                                                                                   |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                         | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                      |      |   |          |
| 2                           |       | +Config_FACCHF_A_1(63, 19, ChMod_r02, actypeT, slotT, tscT, Freq_rg4, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                               |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                    |      |   |          |
| 5                           |       | +Config_FACCHF_A_1(63, 15, ChMod_r02, actypeT, slotT, tscT, Freq_rd4, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                               |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                               |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                              |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_A_1_11(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                        |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                         |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's for instance 1 of cell A for TC_26_6_13_3.                   |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                  |      |   |          |
| <b>Comments:</b>            |       | used as channel for immediate assignment.                                                                    |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                        | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                     |      |   |          |
| 2                           |       | +Config_FACCHF_A_1(63, 19, ChMod_sign, acttype, slot, tsc, Freq_rg5, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                              |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                   |      |   |          |
| 5                           |       | +Config_FACCHF_A_1(63, 15, ChMod_sign, acttype, slot, tsc, Freq_rd5, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                              |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                              |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                 |      |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_A_1_13(acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3)                        |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                            |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's for instance 1 of cell A for TC_26_6_4_2_2                      |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                     |      |   |          |
| <b>Comments:</b>            |       | used as channel for assignment.                                                                                 |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                           | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                        |      |   |          |
| 2                           |       | +Config_FACCHF_A_1(63, 19, ChMod_sign, acttypeT, slotT, tscT, Freq_rg8, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                 |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                      |      |   |          |
| 5                           |       | +Config_FACCHF_A_1(63, 15, ChMod_sign, acttypeT, slotT, tscT, Freq_rd8, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                 |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                 |      |   |          |



| Test Step Dynamic Behaviour |       |                                                                                                               |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_A_1_14(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                         |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                          |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's for instance 1 of cell A for TC_26_6_13_7.                    |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                   |      |   |          |
| <b>Comments:</b>            |       | used as channel for immediate assignment.                                                                     |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                         | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                      |      |   |          |
| 2                           |       | +Config_FACCHF_A_1(63, 19, ChMod_sign, acttype, slot, tsc, Freq_rg14, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                               |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                    |      |   |          |
| 5                           |       | +Config_FACCHF_A_1(63, 15, ChMod_sign, acttype, slot, tsc, Freq_rd14, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                               |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                               |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                               |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_A_1_15(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                         |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                          |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's for instance 1 of cell A for TC_26_6_13_8.                    |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                   |      |   |          |
| <b>Comments:</b>            |       | used as channel for immediate assignment.                                                                     |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                         | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                      |      |   |          |
| 2                           |       | +Config_FACCHF_A_1(63, 19, ChMod_sign, acttype, slot, tsc, Freq_rg15, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                               |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                    |      |   |          |
| 5                           |       | +Config_FACCHF_A_1(63, 15, ChMod_sign, acttype, slot, tsc, Freq_rd15, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                               |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                               |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                               |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_A_1_16(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                         |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                          |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's for instance 1 of cell A for TC_26_6_13_9.                    |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                   |      |   |          |
| <b>Comments:</b>            |       | used as channel for immediate assignment before time.                                                         |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                         | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                      |      |   |          |
| 2                           |       | +Config_FACCHF_A_1(63, 19, ChMod_sign, acttype, slot, tsc, Freq_rg16, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                               |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                    |      |   |          |
| 5                           |       | +Config_FACCHF_A_1(63, 15, ChMod_sign, acttype, slot, tsc, Freq_rd16, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                               |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                               |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                               |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_A_1_17(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                         |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                          |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's for instance 1 of cell A for TC_26_6_13_10.                   |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                   |      |   |          |
| <b>Comments:</b>            |       | used as channel for immediate assignment after time.                                                          |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                         | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                      |      |   |          |
| 2                           |       | +Config_FACCHF_A_1(63, 19, ChMod_sign, acttype, slot, tsc, Freq_rg17, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                               |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                    |      |   |          |
| 5                           |       | +Config_FACCHF_A_1(63, 15, ChMod_sign, acttype, slot, tsc, Freq_rd17, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                               |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                               |      |   |          |

| Test Step Dynamic Behaviour                                                                                                 |       |                                                                                                           |      |   |          |
|-----------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> FullRateCh_A_1_18(Freq:FRQPARA; acttype:BITSTRING; TmSlT:SN; Tsc:TSC; ta:TA; babr, cch_con, bpm:B_3) |       |                                                                                                           |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/management/ChConfig/                                                                          |       |                                                                                                           |      |   |          |
| <b>Objective:</b> To set one physical channel used as TCHF_ACCH's for instance 1 of cell A for TC_26_6_6_1.                 |       |                                                                                                           |      |   |          |
| <b>Default:</b> OtherEvents                                                                                                 |       |                                                                                                           |      |   |          |
| <b>Comments:</b> used as channel for immediate assignment.                                                                  |       |                                                                                                           |      |   |          |
| Nr                                                                                                                          | Label | Behaviour Description                                                                                     | CRef | V | Comments |
| 1                                                                                                                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                  |      |   |          |
| 2                                                                                                                           |       | +Config_FACCHF_A_1(63, 19, ChMod_sign, acttype, TmSlT, Tsc, Freq, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                                                                                                                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                           |      |   |          |
| 4                                                                                                                           |       | [TSPC_DCS]                                                                                                |      |   |          |
| 5                                                                                                                           |       | +Config_FACCHF_A_1(63, 15, ChMod_sign, acttype, TmSlT, Tsc, Freq, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                                                                                                                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                           |      |   |          |
| <b>Detailed Comments:</b>                                                                                                   |       |                                                                                                           |      |   |          |

| Test Step Dynamic Behaviour                                                                                              |       |                                                                                                                    |      |   |          |
|--------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> FullRateCh_A_1sp(acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3)           |       |                                                                                                                    |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/management/ChConfig/                                                                       |       |                                                                                                                    |      |   |          |
| <b>Objective:</b> To set one physical channel used as TCHF_ACCH's for instance 1 of cell A (any supported channel mode). |       |                                                                                                                    |      |   |          |
| <b>Default:</b> OtherEvents                                                                                              |       |                                                                                                                    |      |   |          |
| Nr                                                                                                                       | Label | Behaviour Description                                                                                              | CRef | V | Comments |
| 1                                                                                                                        |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                           |      |   |          |
| 2                                                                                                                        |       | +Config_FACCHF_A_1(63, 19, ChMod_sign, acttypeT, slotT, tscT, FreqTCHa_rg, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                                                                                                                        |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                    |      |   |          |
| 4                                                                                                                        |       | [TSPC_DCS]                                                                                                         |      |   |          |
| 5                                                                                                                        |       | +Config_FACCHF_A_1(63, 15, ChMod_sign, acttypeT, slotT, tscT, FreqTCHa_rd, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                                                                                                                        |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                    |      |   |          |
| <b>Detailed Comments:</b>                                                                                                |       |                                                                                                                    |      |   |          |

| Test Step Dynamic Behaviour                                                                                                                                                                  |       |                                                                                                                                                               |      |   |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> FullRateCh_E_A_1F1(acttype, par_ts: BITSTRING; par_tsc:TSC; par_ta: TA; par_ma: BITSTRING; par_freqlist:OCTETSTRING; par_flistl: OCTETSTRING; babr, cch_con, bpm:B_3) |       |                                                                                                                                                               |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                           |       |                                                                                                                                                               |      |   |          |
| <b>Objective:</b> To set one physical channel used as TCHF_ACCH's with frequency hopping for instance 1 of cell A.                                                                           |       |                                                                                                                                                               |      |   |          |
| <b>Default:</b> OtherEvents                                                                                                                                                                  |       |                                                                                                                                                               |      |   |          |
| Nr                                                                                                                                                                                           | Label | Behaviour Description                                                                                                                                         | CRef | V | Comments |
| 1                                                                                                                                                                                            |       | [TSPC_EGSM]                                                                                                                                                   |      |   |          |
| 2                                                                                                                                                                                            |       | +Config_FACCHF_A_1(63, 19, ChMod_speech, acttype, par_ts, par_tsc, FreqTCH_ef1(par_ma, par_freqlist, par_flistl), C_TCHF_ACCHF_1, par_ta, babr, cch_con, bpm) |      |   |          |
| 3                                                                                                                                                                                            |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                                                               |      |   |          |
| <b>Detailed Comments:</b>                                                                                                                                                                    |       |                                                                                                                                                               |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                           |      |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_E_A_1F2(acttype, par_ts: BITSTRING; par_tsc:TSC; par_ta: TA; par_ma1: BITSTRING; par_ma2: BITSTRING; par_freqlist:OCTETSTRING; par_flist: OCTETSTRING; babr, cch_con, bpm:B_3) |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                      |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's with frequency hopping for instance 1 of cell A.                                                                                          |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                               |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                     | CRef | V | Comments |
| 1                           |       | [TSPC_EGSM]                                                                                                                                                                               |      |   |          |
| 2                           |       | +Config_FACCHF_A_1(63, 19, ChMod_speech, acttype, par_ts, par_tsc, FreqTCH_ef2(par_ma1, par_ma2, par_freqlist, par_flist), C_TCHF_ACCHF_1, par_ta, babr, cch_con, bpm)                    |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                                           |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                           |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                              |      |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_HO_A_1(acttype, par_ts: BITSTRING; par_tsc:TSC; par_ta: TA; babr, cch_con, bpm:B_3)                               |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                         |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's for instance 1 of cell A.                                                    |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                  |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                        | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                     |      |   |          |
| 2                           |       | +Config_FACCHF_A_1(63, 19, ChMod_speech, acttype, par_ts, par_tsc, FreqTCHa_ho, C_TCHF_ACCHF_1, par_ta, babr, cch_con, bpm)  |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                              |      |   |          |
| 4                           |       | [TSPC_DCS = TRUE]                                                                                                            |      |   |          |
| 5                           |       | +Config_FACCHF_A_1(63, 15, ChMod_speech, acttype, par_ts, par_tsc, FreqTCHa_hod, C_TCHF_ACCHF_1, par_ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                              |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                              |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_HO_A_1F1(acttype, par_ts: BITSTRING; par_tsc:TSC; par_ta: TA; babr, cch_con, bpm:B_3)                               |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                           |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's with frequency hopping for instance 1 of cell A.                               |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                    |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                          | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                       |      |   |          |
| 2                           |       | +Config_FACCHF_A_1(63, 19, ChMod_speech, acttype, par_ts, par_tsc, FreqTCHa_hof1, C_TCHF_ACCHF_1, par_ta, babr, cch_con, bpm)  |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                                |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                                     |      |   |          |
| 5                           |       | +Config_FACCHF_A_1(63, 15, ChMod_speech, acttype, par_ts, par_tsc, FreqTCHa_hof1d, C_TCHF_ACCHF_1, par_ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                                |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_HO_A_1F2(acttype: BITSTRING; par_ts:SN; par_tsc:TSC; par_ta: TA; babr, cch_con, bpm:B_3)                            |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                           |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's with frequency hopping for instance 1 of cell A.                               |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                    |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                          | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                       |      |   |          |
| 2                           |       | +Config_FACCHF_A_1(63, 19, ChMod_speech, acttype, par_ts, par_tsc, FreqTCHa_hof5, C_TCHF_ACCHF_1, par_ta, babr, cch_con, bpm)  |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                                |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                                     |      |   |          |
| 5                           |       | +Config_FACCHF_A_1(63, 15, ChMod_speech, acttype, par_ts, par_tsc, FreqTCHa_hof5d, C_TCHF_ACCHF_1, par_ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                                |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                      |      |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_A_TCHdef(acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3)                           |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                 |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's for instance 2 of cell A.                                            |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                          |      |   |          |
| <b>Comments:</b>            |       | FullRateCh_A_2 uses the same frequency as FullRateCh_A_1 but different time slot (TSPX_TmSlTc).                      |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                             |      |   |          |
| 2                           |       | +Config_FACCHF_A_2(63, 19, ChMod_speech, acttypeT, slotT, tscT, FreqTCHa_rg, C_TCHF_ACCHF_2, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending( TCV_sacchTch1, TCV_sysinfo5, TCV_sysinfo6)                                                    |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                           |      |   |          |
| 5                           |       | +Config_FACCHF_A_2(63, 15, ChMod_speech, acttypeT, slotT, tscT, FreqTCHa_rd, C_TCHF_ACCHF_2, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending( TCV_sacchTch1, TCV_sysinfo5, TCV_sysinfo6)                                                    |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                      |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                |      |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_A_2_6(acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3)                        |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                           |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's for instance 2 of cell A for TC_26_6_13_1.                     |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                    |      |   |          |
| <b>Comments:</b>            |       | used as after time channel.                                                                                    |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                          | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                       |      |   |          |
| 2                           |       | +Config_FACCHF_A_2(63, 19, ChMod_r01, acttypeT, slotT, tscT, Freq_rg3, C_TCHF_ACCHF_2, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending( TCV_sacchTch1, TCV_sysinfo5, TCV_sysinfo6)                                              |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                     |      |   |          |
| 5                           |       | +Config_FACCHF_A_2(63, 15, ChMod_r01, acttypeT, slotT, tscT, Freq_rd3, C_TCHF_ACCHF_2, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending( TCV_sacchTch1, TCV_sysinfo5, TCV_sysinfo6)                                              |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                            |      |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_B_1(chmod:CHMOD; acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3)         |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                       |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's for instance 1 of cell B.                                  |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                |      |   |          |
| <b>Comments:</b>            |       | FullRateCh_B_1 uses FreqTCHb and TSPX_TmSlc.                                                               |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                      | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                   |      |   |          |
| 2                           |       | +Config_FACCHF_B_1(63, 19, chmod, acttypeT, slotT, tscT, FreqTCHb, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending( TCV_sacchTch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                     |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                 |      |   |          |
| 5                           |       | +Config_FACCHF_B_1(63, 15, chmod, acttypeT, slotT, tscT, FreqTCHb, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending( TCV_sacchTch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                     |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                            |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                |      |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_B_1_3(actypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3)                         |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                           |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's for instance 1 of cell B.                                      |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                    |      |   |          |
| <b>Comments:</b>            |       | Used in TC_26_6_13_5 for after time channel                                                                    |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                          | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                       |      |   |          |
| 2                           |       | +Config_FACCHF_B_1(63, 19, ChMod_r03, actypeT, slotT, tscT, Freq_rg10, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending( TCV_sacchTch1, TCV_sysinfo5_B, TCV_sysinfo6_B)                                          |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                     |      |   |          |
| 5                           |       | +Config_FACCHF_B_1(63, 15, ChMod_r03, actypeT, slotT, tscT, Freq_rd10, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending( TCV_sacchTch1, TCV_sysinfo5_B, TCV_sysinfo6_B)                                          |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                |      |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_B_1_4(actypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3)                         |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                           |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's for instance 1 of cell B.                                      |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                    |      |   |          |
| <b>Comments:</b>            |       | Used in TC_26_6_13_6 for after time channel                                                                    |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                          | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                       |      |   |          |
| 2                           |       | +Config_FACCHF_B_1(63, 19, ChMod_r04, actypeT, slotT, tscT, Freq_rg13, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending( TCV_sacchTch, TCV_sysinfo5_B, TCV_sysinfo6_B)                                           |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                     |      |   |          |
| 5                           |       | +Config_FACCHF_B_1(63, 15, ChMod_r04, actypeT, slotT, tscT, Freq_rd13, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending( TCV_sacchTch, TCV_sysinfo5_B, TCV_sysinfo6_B)                                           |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                 |      |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_B_2_1(acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3)                         |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                            |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's for instance 2 of cell B.                                       |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                     |      |   |          |
| <b>Comments:</b>            |       | Used in TC_26_6_13_5 for before time channel                                                                    |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                           | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                        |      |   |          |
| 2                           |       | +Config_FACCHF_B_2(63, 19, ChMod_r03, acttypeT, slotT, tscT, Freq_rg11, C_TCHF_ACCHF_2, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending( TCV_sacchTch, TCV_sysinfo5_B, TCV_sysinfo6_B)                                            |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                      |      |   |          |
| 5                           |       | +Config_FACCHF_B_2(63, 15, ChMod_r03, acttypeT, slotT, tscT, Freq_rd11, C_TCHF_ACCHF_2, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending( TCV_sacchTch, TCV_sysinfo5_B, TCV_sysinfo6_B)                                            |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                 |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                       |      |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_E_B_1F1(acttype, par_ts: BITSTRING; par_tsc:TSC; par_ta: TA; par_ma: BITSTRING; par_freqlist: OCTETSTRING; par_flist: OCTETSTRING; babr, cch_con, bpm:B_3) |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                  |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's for instance 1 of cell B.                                                                                             |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                           |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                 | CRef | V | Comments |
| 1                           |       | [TSPC_EGSM]                                                                                                                                                           |      |   |          |
| 2                           |       | +Config_FACCHF_B_1(63, 19, ChMod_speech, acttype, par_ts, par_tsc, FreqTCH_ef1(par_ma, par_freqlist, par_flist), C_TCHF_ACCHF_1, par_ta, babr, cch_con, bpm)          |      |   |          |
| 3                           |       | +SysInfo_SacchSending( TCV_sacchTch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                                                |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                       |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                            |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_E_B_1F2(acttype, par_ts: BITSTRING; par_tsc:TSC; par_ta: TA; par_ma1: BITSTRING; par_ma2: BITSTRING; par_freqlist: OCTETSTRING; par_flist: OCTETSTRING; babr, cch_con, bpm:B_3) |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                       |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's for instance 1 of cell B.                                                                                                                  |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                      | CRef | V | Comments |
| 1                           |       | [TSPC_EGSM]                                                                                                                                                                                |      |   |          |
| 2                           |       | +Config_FACCHF_B_1(63, 19, ChMod_speech, acttype, par_ts, par_tsc, FreqTCH_ef2(par_ma1, par_ma2, par_freqlist, par_flist), C_TCHF_ACCHF_1, par_ta, babr, cch_con, bpm)                     |      |   |          |
| 3                           |       | +SysInfo_SacchSending( TCV_sacchTch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                                                                     |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                            |      |   |          |



| Test Step Dynamic Behaviour                                                                                  |       |                                                                                                                              |      |   |          |
|--------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> FullRateCh_HO_B_1(acttype: BITSTRING; par_ts:TSC; par_ta: TA; babr, cch_con, bpm:B_3) |       |                                                                                                                              |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/management/ChConfig/                                                           |       |                                                                                                                              |      |   |          |
| <b>Objective:</b> To set one physical channel used as TCHF_ACCH's for instance 1 of cell B.                  |       |                                                                                                                              |      |   |          |
| <b>Default:</b> OtherEvents                                                                                  |       |                                                                                                                              |      |   |          |
| Nr                                                                                                           | Label | Behaviour Description                                                                                                        | CRef | V | Comments |
| 1                                                                                                            |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                     |      |   |          |
| 2                                                                                                            |       | +Config_FACCHF_B_1(63, 19, ChMod_speech, acttype, par_ts, par_tsc, FreqTCHb_ho, C_TCHF_ACCHF_1, par_ta, babr, cch_con, bpm)  |      |   |          |
| 3                                                                                                            |       | +SysInfo_SacchSending( TCV_sacchTch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                       |      |   |          |
| 4                                                                                                            |       | [TSPC_DCS]                                                                                                                   |      |   |          |
| 5                                                                                                            |       | +Config_FACCHF_B_1(63, 15, ChMod_speech, acttype, par_ts, par_tsc, FreqTCHb_hod, C_TCHF_ACCHF_1, par_ta, babr, cch_con, bpm) |      |   |          |
| 6                                                                                                            |       | +SysInfo_SacchSending( TCV_sacchTch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                       |      |   |          |
| <b>Detailed Comments:</b>                                                                                    |       |                                                                                                                              |      |   |          |

| Test Step Dynamic Behaviour                                                                                               |       |                                                                                                                                |      |   |          |
|---------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> FullRateCh_HO_B_1F2(acttype:BITSTRING; par_ts:SN; par_tsc:TSC; par_ta: TA; babr, cch_con, bpm:B_3) |       |                                                                                                                                |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/management/ChConfig/                                                                        |       |                                                                                                                                |      |   |          |
| <b>Objective:</b> To set one physical channel used as TCHF_ACCH's for instance 1 of cell B with frequency hopping.        |       |                                                                                                                                |      |   |          |
| <b>Default:</b> OtherEvents                                                                                               |       |                                                                                                                                |      |   |          |
| Nr                                                                                                                        | Label | Behaviour Description                                                                                                          | CRef | V | Comments |
| 1                                                                                                                         |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                       |      |   |          |
| 2                                                                                                                         |       | +Config_FACCHF_B_1(63, 19, ChMod_speech, acttype, par_ts, par_tsc, FreqTCHb_hof3, C_TCHF_ACCHF_1, par_ta, babr, cch_con, bpm)  |      |   |          |
| 3                                                                                                                         |       | +SysInfo_SacchSending( TCV_sacchTch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                         |      |   |          |
| 4                                                                                                                         |       | [TSPC_DCS]                                                                                                                     |      |   |          |
| 5                                                                                                                         |       | +Config_FACCHF_B_1(63, 15, ChMod_speech, acttype, par_ts, par_tsc, FreqTCHb_hof3d, C_TCHF_ACCHF_1, par_ta, babr, cch_con, bpm) |      |   |          |
| 6                                                                                                                         |       | +SysInfo_SacchSending( TCV_sacchTch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                         |      |   |          |
| <b>Detailed Comments:</b>                                                                                                 |       |                                                                                                                                |      |   |          |

| Test Step Dynamic Behaviour                                                                                                |       |                                                                                                                                |      |   |          |
|----------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> FullRateCh_HO_B_1F3(acttype: BITSTRING; par_ts:SN; par_tsc:TSC; par_ta: TA; babr, cch_con, bpm:B_3) |       |                                                                                                                                |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/management/ChConfig/                                                                         |       |                                                                                                                                |      |   |          |
| <b>Objective:</b> To set one physical channel used as TCHF_ACCH's for instance 1 of cell B with frequency hopping.         |       |                                                                                                                                |      |   |          |
| <b>Default:</b> OtherEvents                                                                                                |       |                                                                                                                                |      |   |          |
| Nr                                                                                                                         | Label | Behaviour Description                                                                                                          | CRef | V | Comments |
| 1                                                                                                                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                       |      |   |          |
| 2                                                                                                                          |       | +Config_FACCHF_B_1(63, 19, ChMod_speech, acttype, par_ts, par_tsc, FreqTCHb_hof5, C_TCHF_ACCHF_1, par_ta, babr, cch_con, bpm)  |      |   |          |
| 3                                                                                                                          |       | +SysInfo_SacchSending( TCV_sacchTch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                         |      |   |          |
| 4                                                                                                                          |       | [TSPC_DCS]                                                                                                                     |      |   |          |
| 5                                                                                                                          |       | +Config_FACCHF_B_1(63, 15, ChMod_speech, acttype, par_ts, par_tsc, FreqTCHb_hof5d, C_TCHF_ACCHF_1, par_ta, babr, cch_con, bpm) |      |   |          |
| 6                                                                                                                          |       | +SysInfo_SacchSending( TCV_sacchTch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                         |      |   |          |
| <b>Detailed Comments:</b>                                                                                                  |       |                                                                                                                                |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_HO_B_1F4(acttype:BITSTRING; par_ts: SN; par_tsc:TSC; par_ta: TA; babr, cch_con, bpm:B_3)                            |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                           |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's for instance 1 of cell B with frequency hopping.                               |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                    |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                          | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                       |      |   |          |
| 2                           |       | +Config_FACCHF_B_1(63, 19, ChMod_speech, acttype, par_ts, par_tsc, FreqTCHb_hof5, C_TCHF_ACCHF_1, par_ta, babr, cch_con, bpm)  |      |   |          |
| 3                           |       | +SysInfo_SacchSending( TCV_sacchTch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                         |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                                     |      |   |          |
| 5                           |       | +Config_FACCHF_B_1(63, 15, ChMod_speech, acttype, par_ts, par_tsc, FreqTCHb_hof9d, C_TCHF_ACCHF_1, par_ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending( TCV_sacchTch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                         |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_HO_B_1F5(acttype, par_ts: BITSTRING; par_tsc:TSC; par_ta: TA; babr, cch_con, bpm:B_3)                               |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                           |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's for instance 1 of cell B with frequency hopping.                               |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                    |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                          | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                       |      |   |          |
| 2                           |       | +Config_FACCHF_B_1(63, 19, ChMod_speech, acttype, par_ts, par_tsc, FreqTCHb_hof6, C_TCHF_ACCHF_1, par_ta, babr, cch_con, bpm)  |      |   |          |
| 3                           |       | +SysInfo_SacchSending( TCV_sacchTch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                         |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                                     |      |   |          |
| 5                           |       | +Config_FACCHF_B_1(63, 15, ChMod_speech, acttype, par_ts, par_tsc, FreqTCHb_hof6d, C_TCHF_ACCHF_1, par_ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending( TCV_sacchTch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                         |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_HO_B_1F6(acttype, par_ts: BITSTRING; par_tsc:TSC; par_ta: TA; babr, cch_con, bpm:B_3)                               |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                           |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's for instance 1 of cell B with frequency hopping.                               |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                    |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                          | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                       |      |   |          |
| 2                           |       | +Config_FACCHF_B_1(63, 19, ChMod_speech, acttype, par_ts, par_tsc, FreqTCHb_hof8, C_TCHF_ACCHF_1, par_ta, babr, cch_con, bpm)  |      |   |          |
| 3                           |       | +SysInfo_SacchSending( TCV_sacchTch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                         |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                                     |      |   |          |
| 5                           |       | +Config_FACCHF_B_1(63, 15, ChMod_speech, acttype, par_ts, par_tsc, FreqTCHb_hof8d, C_TCHF_ACCHF_1, par_ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending( TCV_sacchTch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                         |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                   |      |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | FullRateCh_H_1(acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3)                             |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                              |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHF_ACCH's for instance 1 of cell H.                                         |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                       |      |   |          |
| <b>Comments:</b>            |       | FullRateCh_H_1 uses FreqTCHb and TSPX_TmSlcC.                                                                     |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                             | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                          |      |   |          |
| 2                           |       | +Config_FACCHF_H_1(63, 19, ChMod_speech, acttypeT, slotT, tscT, FreqTCHb, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | [TSPC_DCS]                                                                                                        |      |   |          |
| 4                           |       | +Config_FACCHF_H_1(63, 15, ChMod_speech, acttypeT, slotT, tscT, FreqTCHb, C_TCHF_ACCHF_1, ta, babr, cch_con, bpm) |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                   |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                      |      |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | HalfRateCh_A_def(acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3)                              |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                 |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHH_ACCH's for instance 1 of cell A.                                            |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                          |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                             |      |   |          |
| 2                           |       | +Config_FACCHH_A_1(63, 19, ChMod_speech, acttypeT, slotT, tscT, FreqTCHa_rg, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                      |      |   |          |
| 4                           |       | [TSPC_DCS = TRUE]                                                                                                    |      |   |          |
| 5                           |       | +Config_FACCHH_A_1(63, 15, ChMod_speech, acttypeT, slotT, tscT, FreqTCHa_rd, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                      |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                      |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                 |      |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | HalfRateCh_A_1_im(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                           |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                            |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHH_ACCH's for instance 1 of cell A.                                       |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                     |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                           | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                        |      |   |          |
| 2                           |       | +Config_FACCHH_A_1(63, 19, ChMod_sign, acttype, slot, tsc, FreqTCHa_rg, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                 |      |   |          |
| 4                           |       | [TSPC_DCS = TRUE]                                                                                               |      |   |          |
| 5                           |       | +Config_FACCHH_A_1(63, 15, ChMod_sign, acttype, slot, tsc, FreqTCHa_rd, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                 |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                 |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                 |      |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | HalfRateCh_A_im_def(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                         |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                            |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHH_ACCH's for instance 1 of cell A.                                       |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                     |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                           | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                        |      |   |          |
| 2                           |       | +Config_FACCHH_A_1(63, 19, ChMod_sign, acttype, slot, tsc, FreqTCHa_rg, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                 |      |   |          |
| 4                           |       | [TSPC_DCS = TRUE]                                                                                               |      |   |          |
| 5                           |       | +Config_FACCHH_A_1(63, 15, ChMod_sign, acttype, slot, tsc, FreqTCHa_rd, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                 |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                 |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                   |      |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | HalfRateCh_E_A_1(acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3)                           |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                              |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHH_ACCH's for instance 1 of cell A.                                         |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                       |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                             | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                          |      |   |          |
| 2                           |       | +Config_FACCHH_A_1(63, 19, ChMod_speech, acttypeT, slotT, tscT, FreqTCHa, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                   |      |   |          |
| 4                           |       | [TSPC_DCS = TRUE]                                                                                                 |      |   |          |
| 5                           |       | +Config_FACCHH_A_1(63, 15, ChMod_speech, acttypeT, slotT, tscT, FreqTCHa, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                   |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                   |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                |      |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | HalfRateCh_A_1_4(acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3)                        |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                           |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHH_ACCH's for instance 1 of cell A for TC_26_6_13_1.                     |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                    |      |   |          |
| <b>Comments:</b>            |       | used as before time channel                                                                                    |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                          | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                       |      |   |          |
| 2                           |       | +Config_FACCHH_A_1(63, 19, ChMod_r01, acttypeT, slotT, tscT, Freq_rg2, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                     |      |   |          |
| 5                           |       | +Config_FACCHH_A_1(63, 15, ChMod_r01, acttypeT, slotT, tscT, Freq_rd2, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                |      |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | HalfRateCh_A_1_5(acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3)                        |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                           |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHH_ACCH's for instance 1 of cell A for TC_26_6_13_2.                     |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                    |      |   |          |
| <b>Comments:</b>            |       | used as after time channel                                                                                     |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                          | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                       |      |   |          |
| 2                           |       | +Config_FACCHH_A_1(63, 19, ChMod_r02, acttypeT, slotT, tscT, Freq_rg4, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                     |      |   |          |
| 5                           |       | +Config_FACCHH_A_1(63, 15, ChMod_r02, acttypeT, slotT, tscT, Freq_rd4, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                              |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | HalfRateCh_A_1_6(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                         |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                         |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHH_ACCH's for instance 1 of cell A for TC_26_6_13_3.                   |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                  |      |   |          |
| <b>Comments:</b>            |       | used as channel assigned by immediate assignmet                                                              |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                        | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                     |      |   |          |
| 2                           |       | +Config_FACCHH_A_1(63, 19, ChMod_sign, acttype, slot, tsc, Freq_rg5, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                              |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                   |      |   |          |
| 5                           |       | +Config_FACCHH_A_1(63, 15, ChMod_sign, acttype, slot, tsc, Freq_rd5, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                              |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                              |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                              |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | HalfRateCh_A_1_7(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                         |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                         |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHH_ACCH's for instance 1 of cell A for TC_26_6_13_4.                   |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                  |      |   |          |
| <b>Comments:</b>            |       | used as channel assigned by immediate assignmet                                                              |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                        | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                     |      |   |          |
| 2                           |       | +Config_FACCHH_A_1(63, 19, ChMod_sign, acttype, slot, tsc, Freq_rg7, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                              |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                   |      |   |          |
| 5                           |       | +Config_FACCHH_A_1(63, 15, ChMod_sign, acttype, slot, tsc, Freq_rd7, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                              |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                              |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                               |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | HalfRateCh_A_1_8(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                          |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                          |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHH_ACCH's for instance 1 of cell A for TC_26_6_13_7.                    |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                   |      |   |          |
| <b>Comments:</b>            |       | used as channel assigned by immediate assignmet                                                               |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                         | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                      |      |   |          |
| 2                           |       | +Config_FACCHH_A_1(63, 19, ChMod_sign, acttype, slot, tsc, Freq_rg14, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                               |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                    |      |   |          |
| 5                           |       | +Config_FACCHH_A_1(63, 15, ChMod_sign, acttype, slot, tsc, Freq_rd14, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                               |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                               |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                               |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | HalfRateCh_A_1_9(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                          |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                          |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHH_ACCH's for instance 1 of cell A for TC_26_6_13_8.                    |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                   |      |   |          |
| <b>Comments:</b>            |       | used as channel assigned by immediate assignmnet                                                              |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                         | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                      |      |   |          |
| 2                           |       | +Config_FACCHH_A_1(63, 19, ChMod_sign, acttype, slot, tsc, Freq_rg15, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                               |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                    |      |   |          |
| 5                           |       | +Config_FACCHH_A_1(63, 15, ChMod_sign, acttype, slot, tsc, Freq_rd15, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                               |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                               |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                               |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | HalfRateCh_A_1_10(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                         |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                          |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHH_ACCH's for instance 1 of cell A for TC_26_6_13_9.                    |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                   |      |   |          |
| <b>Comments:</b>            |       | used as channel assigned by immediate assignmnet before time                                                  |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                         | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                      |      |   |          |
| 2                           |       | +Config_FACCHH_A_1(63, 19, ChMod_sign, acttype, slot, tsc, Freq_rg16, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                               |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                    |      |   |          |
| 5                           |       | +Config_FACCHH_A_1(63, 15, ChMod_sign, acttype, slot, tsc, Freq_rd16, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                               |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                               |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                               |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | HalfRateCh_A_1_11(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                         |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                          |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHH_ACCH's for instance 1 of cell A for TC_26_6_13_10.                   |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                   |      |   |          |
| <b>Comments:</b>            |       | used as channel assigned by immediate assignmnet after time                                                   |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                         | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                      |      |   |          |
| 2                           |       | +Config_FACCHH_A_1(63, 19, ChMod_sign, acttype, slot, tsc, Freq_rg17, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                               |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                    |      |   |          |
| 5                           |       | +Config_FACCHH_A_1(63, 15, ChMod_sign, acttype, slot, tsc, Freq_rd17, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                               |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                               |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                            |      |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | HalfRateCh_A_1_12(Freq:FRQPARA; acttype:BITSTRING; TmSlit: SN; Tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)     |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                       |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHH_ACCH's for instance 1 of cell A for TC_26_6_6_1.                  |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                |      |   |          |
| <b>Comments:</b>            |       | used as channel assigned by immediate assignmnet.                                                          |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                      | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                   |      |   |          |
| 2                           |       | +Config_FACCHH_A_1(63, 19, ChMod_sign, acttype, TmSlit, Tsc, Freq, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                            |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                 |      |   |          |
| 5                           |       | +Config_FACCHH_A_1(63, 15, ChMod_sign, acttype, TmSlit, Tsc, Freq, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                            |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                            |      |   |          |



| Test Step Dynamic Behaviour                                                                                    |       |                                                                                                                |      |   |          |
|----------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> HalfRateCh_A_2_3(acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3) |       |                                                                                                                |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/management/ChConfig/                                                             |       |                                                                                                                |      |   |          |
| <b>Objective:</b> To set one physical channel used as TCHH_ACCH's for instance 2 of cell A for TC_26_6_13_1.   |       |                                                                                                                |      |   |          |
| <b>Default:</b> OtherEvents                                                                                    |       |                                                                                                                |      |   |          |
| <b>Comments:</b> used for after time channel.                                                                  |       |                                                                                                                |      |   |          |
| Nr                                                                                                             | Label | Behaviour Description                                                                                          | CRef | V | Comments |
| 1                                                                                                              |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                       |      |   |          |
| 2                                                                                                              |       | +Config_FACCHH_A_2(63, 19, ChMod_r01, acttypeT, slotT, tscT, Freq_rg3, C_TCHH_ACCHH_2, ta, babr, cch_con, bpm) |      |   |          |
| 3                                                                                                              |       | +SysInfo_SacchSending( TCV_sacchTch1, TCV_sysinfo5, TCV_sysinfo6)                                              |      |   |          |
| 4                                                                                                              |       | [TSPC_DCS]                                                                                                     |      |   |          |
| 5                                                                                                              |       | +Config_FACCHH_A_2(63, 15, ChMod_r01, acttypeT, slotT, tscT, Freq_rd3, C_TCHH_ACCHH_2, ta, babr, cch_con, bpm) |      |   |          |
| 6                                                                                                              |       | +SysInfo_SacchSending( TCV_sacchTch1, TCV_sysinfo5, TCV_sysinfo6)                                              |      |   |          |
| <b>Detailed Comments:</b>                                                                                      |       |                                                                                                                |      |   |          |

| Test Step Dynamic Behaviour                                                                                       |       |                                                                                                                      |      |   |          |
|-------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> HalfRateCh_A_TCHdef(acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3) |       |                                                                                                                      |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/management/ChConfig/                                                                |       |                                                                                                                      |      |   |          |
| <b>Objective:</b> To set one physical channel used as TCHH_ACCH's for instance 2 of cell A.                       |       |                                                                                                                      |      |   |          |
| <b>Default:</b> OtherEvents                                                                                       |       |                                                                                                                      |      |   |          |
| Nr                                                                                                                | Label | Behaviour Description                                                                                                | CRef | V | Comments |
| 1                                                                                                                 |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                             |      |   |          |
| 2                                                                                                                 |       | +Config_FACCHH_A_2(63, 19, ChMod_speech, acttypeT, slotT, tscT, FreqTCHa_rg, C_TCHH_ACCHH_2, ta, babr, cch_con, bpm) |      |   |          |
| 3                                                                                                                 |       | +SysInfo_SacchSending( TCV_sacchTch1, TCV_sysinfo5, TCV_sysinfo6)                                                    |      |   |          |
| 4                                                                                                                 |       | [TSPC_DCS]                                                                                                           |      |   |          |
| 5                                                                                                                 |       | +Config_FACCHH_A_2(63, 15, ChMod_speech, acttypeT, slotT, tscT, FreqTCHa_rd, C_TCHH_ACCHH_2, ta, babr, cch_con, bpm) |      |   |          |
| 6                                                                                                                 |       | +SysInfo_SacchSending( TCV_sacchTch1, TCV_sysinfo5, TCV_sysinfo6)                                                    |      |   |          |
| <b>Detailed Comments:</b>                                                                                         |       |                                                                                                                      |      |   |          |

| Test Step Dynamic Behaviour                                                                                           |       |                                                                                                                              |      |   |          |
|-----------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> HalfRateCh_HO_A_1(acttype, par_ts: BITSTRING; par_tsc:TSC; par_ta: TA; babr, cch_con, bpm:B_3) |       |                                                                                                                              |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/management/ChConfig/                                                                    |       |                                                                                                                              |      |   |          |
| <b>Objective:</b> To set one physical channel used as TCHH_ACCH's for instance 1 of cell A.                           |       |                                                                                                                              |      |   |          |
| <b>Default:</b> OtherEvents                                                                                           |       |                                                                                                                              |      |   |          |
| Nr                                                                                                                    | Label | Behaviour Description                                                                                                        | CRef | V | Comments |
| 1                                                                                                                     |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                     |      |   |          |
| 2                                                                                                                     |       | +Config_FACCHH_A_1(63, 19, ChMod_speech, acttype, par_ts, par_tsc, FreqTCHa_ho, C_TCHH_ACCHH_1, par_ta, babr, cch_con, bpm)  |      |   |          |
| 3                                                                                                                     |       | +SysInfo_SacchSending( TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                             |      |   |          |
| 4                                                                                                                     |       | [TSPC_DCS]                                                                                                                   |      |   |          |
| 5                                                                                                                     |       | +Config_FACCHH_A_1(63, 15, ChMod_speech, acttype, par_ts, par_tsc, FreqTCHa_hod, C_TCHH_ACCHH_1, par_ta, babr, cch_con, bpm) |      |   |          |
| 6                                                                                                                     |       | +SysInfo_SacchSending( TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                             |      |   |          |
| <b>Detailed Comments:</b>                                                                                             |       |                                                                                                                              |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | HalfRateCh_HO_A_1F1(acttype, par_ts: BITSTRING; par_tsc:TSC; par_ta: TA; babr, cch_con, bpm:B_3)                               |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                           |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHH_ACCH's for instance 1 of cell A.                                                      |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                    |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                          | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                       |      |   |          |
| 2                           |       | +Config_FACCHH_A_1(63, 19, ChMod_speech, acttype, par_ts, par_tsc, FreqTCHa_hof2, C_TCHH_ACCHH_1, par_ta, babr, cch_con, bpm)  |      |   |          |
| 3                           |       | +SysInfo_SacchSending( TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                               |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                                     |      |   |          |
| 5                           |       | +Config_FACCHH_A_1(63, 15, ChMod_speech, acttype, par_ts, par_tsc, FreqTCHa_hof2d, C_TCHH_ACCHH_1, par_ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending( TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                               |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | HalfRateCh_HO_A_1F2(acttype:BITSTRING; par_ts:SN; par_tsc:TSC; par_ta: TA; babr, cch_con, bpm:B_3)                             |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                           |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHH_ACCH's for instance 1 of cell A.                                                      |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                    |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                          | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                       |      |   |          |
| 2                           |       | +Config_FACCHH_A_1(63, 19, ChMod_speech, acttype, par_ts, par_tsc, FreqTCHa_hof3, C_TCHH_ACCHH_1, par_ta, babr, cch_con, bpm)  |      |   |          |
| 3                           |       | +SysInfo_SacchSending( TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                               |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                                     |      |   |          |
| 5                           |       | +Config_FACCHH_A_1(63, 15, ChMod_speech, acttype, par_ts, par_tsc, FreqTCHa_hof3d, C_TCHH_ACCHH_1, par_ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending( TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                               |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                 |      |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | HalfRateCh_B_1_1(acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3)                         |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                            |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHH_ACCH's for instance 1 of cell B for TC_26_6_13_5.                      |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                     |      |   |          |
| <b>Comments:</b>            |       | used as after time channel assigned by handover command                                                         |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                           | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                        |      |   |          |
| 2                           |       | +Config_FACCHH_B_1(63, 19, ChMod_r03, acttypeT, slotT, tscT, Freq_rg10, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending( TCV_sacchTch1, TCV_sysinfo5_B, TCV_sysinfo6_B)                                           |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                      |      |   |          |
| 5                           |       | +Config_FACCHH_B_1(63, 15, ChMod_r03, acttypeT, slotT, tscT, Freq_rd10, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending( TCV_sacchTch1, TCV_sysinfo5_B, TCV_sysinfo6_B)                                           |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                 |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                 |      |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | HalfRateCh_B_1_2(acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3)                         |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                            |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHH_ACCH's for instance 1 of cell B for TC_26_6_13_6.                      |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                     |      |   |          |
| <b>Comments:</b>            |       | used as after time channel assigned by handover command                                                         |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                           | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                        |      |   |          |
| 2                           |       | +Config_FACCHH_B_1(63, 19, ChMod_r04, acttypeT, slotT, tscT, Freq_rg13, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending( TCV_sacchTch, TCV_sysinfo5_B, TCV_sysinfo6_B)                                            |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                      |      |   |          |
| 5                           |       | +Config_FACCHH_B_1(63, 15, ChMod_r04, acttypeT, slotT, tscT, Freq_rd13, C_TCHH_ACCHH_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending( TCV_sacchTch, TCV_sysinfo5_B, TCV_sysinfo6_B)                                            |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                 |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                 |      |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | HalfRateCh_B_2_1(acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3)                         |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                            |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHH_ACCH's for instance 2 of cell B for TC_26_6_13_5.                      |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                     |      |   |          |
| <b>Comments:</b>            |       | used as before time channel assigned by handover command                                                        |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                           | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                        |      |   |          |
| 2                           |       | +Config_FACCHH_B_2(63, 19, ChMod_r03, acttypeT, slotT, tscT, Freq_rg11, C_TCHH_ACCHH_2, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending( TCV_sacchTch, TCV_sysinfo5_B, TCV_sysinfo6_B)                                            |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                      |      |   |          |
| 5                           |       | +Config_FACCHH_B_2(63, 15, ChMod_r03, acttypeT, slotT, tscT, Freq_rd11, C_TCHH_ACCHH_2, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending( TCV_sacchTch, TCV_sysinfo5_B, TCV_sysinfo6_B)                                            |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                 |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                           |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | HalfRateCh_HO_B_1(acttype, par_ts: BITSTRING; par_tsc:TSC; par_ta: TA; babr, cch_con, bpm:B_3)                            |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                      |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHH_ACCH's for instance 1 of cell B                                                  |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                               |      |   |          |
| <b>Comments:</b>            |       | used as after time channel assigned by handover command                                                                   |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                     | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                  |      |   |          |
| 2                           |       | +Config_FACCHH_B_1(63, 19, ChMod_r03, acttype, par_ts, par_tsc, FreqTCHb_ho, C_TCHH_ACCHH_1, par_ta, babr, cch_con, bpm)  |      |   |          |
| 3                           |       | +SysInfo_SacchSending( TCV_sacchTch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                    |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                                |      |   |          |
| 5                           |       | +Config_FACCHH_B_1(63, 15, ChMod_r03, acttype, par_ts, par_tsc, FreqTCHb_hod, C_TCHH_ACCHH_1, par_ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending( TCV_sacchTch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                    |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                           |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                             |      |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | HalfRateCh_HO_B_1F1(acttype, par_ts: BITSTRING; par_tsc:TSC; par_ta: TA; babr, cch_con, bpm:B_3)                            |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                        |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHH_ACCH's for instance 1 of cell B                                                    |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                 |      |   |          |
| <b>Comments:</b>            |       | used as after time channel assigned by handover command                                                                     |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                       | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                    |      |   |          |
| 2                           |       | +Config_FACCHH_B_1(63, 19, ChMod_r03, acttype, par_ts, par_tsc, FreqTCHb_hof1, C_TCHH_ACCHH_1, par_ta, babr, cch_con, bpm)  |      |   |          |
| 3                           |       | +SysInfo_SacchSending( TCV_sacchTch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                      |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                                  |      |   |          |
| 5                           |       | +Config_FACCHH_B_1(63, 15, ChMod_r03, acttype, par_ts, par_tsc, FreqTCHb_hof1d, C_TCHH_ACCHH_1, par_ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending( TCV_sacchTch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                      |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                             |      |   |          |

| Test Step Dynamic Behaviour                                                                                    |       |                                                                                                                             |      |   |          |
|----------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> HalfRateCh_HO_B_1F2(acttype: BITSTRING; par_ts:TSC; par_ta: TA; babr, cch_con, bpm:B_3) |       |                                                                                                                             |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/management/ChConfig/                                                             |       |                                                                                                                             |      |   |          |
| <b>Objective:</b> To set one physical channel used as TCHH_ACCH's for instance 1 of cell B                     |       |                                                                                                                             |      |   |          |
| <b>Default:</b> OtherEvents                                                                                    |       |                                                                                                                             |      |   |          |
| <b>Comments:</b> used as after time channel assigned by handover command                                       |       |                                                                                                                             |      |   |          |
| Nr                                                                                                             | Label | Behaviour Description                                                                                                       | CRef | V | Comments |
| 1                                                                                                              |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                    |      |   |          |
| 2                                                                                                              |       | +Config_FACCHH_B_1(63, 19, ChMod_r03, acttype, par_ts, par_tsc, FreqTCHb_hof2, C_TCHH_ACCHH_1, par_ta, babr, cch_con, bpm)  |      |   |          |
| 3                                                                                                              |       | +SysInfo_SacchSending( TCV_sacchTch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                      |      |   |          |
| 4                                                                                                              |       | [TSPC_DCS]                                                                                                                  |      |   |          |
| 5                                                                                                              |       | +Config_FACCHH_B_1(63, 15, ChMod_r03, acttype, par_ts, par_tsc, FreqTCHb_hof2d, C_TCHH_ACCHH_1, par_ta, babr, cch_con, bpm) |      |   |          |
| 6                                                                                                              |       | +SysInfo_SacchSending( TCV_sacchTch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                      |      |   |          |
| <b>Detailed Comments:</b>                                                                                      |       |                                                                                                                             |      |   |          |

| Test Step Dynamic Behaviour                                                                                                |       |                                                                                                                             |      |   |          |
|----------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> HalfRateCh_HO_B_1F3(acttype: BITSTRING; par_ts:SN; par_tsc:TSC; par_ta: TA; babr, cch_con, bpm:B_3) |       |                                                                                                                             |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/management/ChConfig/                                                                         |       |                                                                                                                             |      |   |          |
| <b>Objective:</b> To set one physical channel used as TCHH_ACCH's for instance 1 of cell B                                 |       |                                                                                                                             |      |   |          |
| <b>Default:</b> OtherEvents                                                                                                |       |                                                                                                                             |      |   |          |
| <b>Comments:</b> used as after time channel assigned by handover command                                                   |       |                                                                                                                             |      |   |          |
| Nr                                                                                                                         | Label | Behaviour Description                                                                                                       | CRef | V | Comments |
| 1                                                                                                                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                    |      |   |          |
| 2                                                                                                                          |       | +Config_FACCHH_B_1(63, 19, ChMod_r03, acttype, par_ts, par_tsc, FreqTCHb_hof4, C_TCHH_ACCHH_1, par_ta, babr, cch_con, bpm)  |      |   |          |
| 3                                                                                                                          |       | +SysInfo_SacchSending( TCV_sacchTch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                      |      |   |          |
| 4                                                                                                                          |       | [TSPC_DCS]                                                                                                                  |      |   |          |
| 5                                                                                                                          |       | +Config_FACCHH_B_1(63, 15, ChMod_r03, acttype, par_ts, par_tsc, FreqTCHb_hof4d, C_TCHH_ACCHH_1, par_ta, babr, cch_con, bpm) |      |   |          |
| 6                                                                                                                          |       | +SysInfo_SacchSending( TCV_sacchTch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                      |      |   |          |
| <b>Detailed Comments:</b>                                                                                                  |       |                                                                                                                             |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                             |      |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | HalfRateCh_HO_B_1F4(acttype, par_ts: BITSTRING; par_tsc:TSC; par_ta: TA; babr, cch_con, bpm:B_3)                            |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                        |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as TCHH_ACCH's for instance 1 of cell B                                                    |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                 |      |   |          |
| <b>Comments:</b>            |       | used as after time channel assigned by handover command                                                                     |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                       | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                    |      |   |          |
| 2                           |       | +Config_FACCHH_B_1(63, 19, ChMod_r03, acttype, par_ts, par_tsc, FreqTCHb_hof7, C_TCHH_ACCHH_1, par_ta, babr, cch_con, bpm)  |      |   |          |
| 3                           |       | +SysInfo_SacchSending( TCV_sacchTch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                      |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                                  |      |   |          |
| 5                           |       | +Config_FACCHH_B_1(63, 15, ChMod_r03, acttype, par_ts, par_tsc, FreqTCHb_hof7d, C_TCHH_ACCHH_1, par_ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending( TCV_sacchTch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                      |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                             |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                        |      |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | SDCCH8_A_def(acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3)                                    |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                   |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as SDCCH8 channel for instance 1 of cell A.                                           |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                            |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                  | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                               |      |   |          |
| 2                           |       | +Config_SDCCH8_A_1(63, 19, ChMod_sign, acttypeT, slotT, tscT, FreqTCHa_rg, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacch8, TCV_sysinfo5, TCV_sysinfo6)                                                          |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                             |      |   |          |
| 5                           |       | +Config_SDCCH8_A_1(63, 15, ChMod_sign, acttypeT, slotT, tscT, FreqTCHa_rd, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacch8, TCV_sysinfo5, TCV_sysinfo6)                                                          |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                        |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                          |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | SDCCH8_A_1_1(acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3)                                      |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                     |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as SDCCH8 channel for instance 1 of cell A.                                             |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                              |      |   |          |
| <b>Comments:</b>            |       | default time slot TSPX_TmSlTDef and ARFCN = 20 for GSM, ARFCN = 747 for DCS.                                             |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                    | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM = TRUE]                                                                                                       |      |   |          |
| 2                           |       | +Config_SDCCH8_A_1(63, 19, ChMod_sign, acttypeT, slotT, tscT, FreqBCCHa_rg, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm)  |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacch8, TCV_sysinfo5, TCV_sysinfo6)                                                            |      |   |          |
| 4                           |       | [TSPC_DCS = TRUE]                                                                                                        |      |   |          |
| 5                           |       | +Config_SDCCH8_A_1(63, 19, ChMod_sign, acttypeT, slotT, tscT, FreqBCCHa_rd1, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacch8, TCV_sysinfo5, TCV_sysinfo6)                                                            |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                          |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                 |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | SDCCH8_E_A_1_1(acttype: BITSTRING; par_ts:SN; par_tsc:TSC; par_ta: TA; babr, cch_con, bpm:B_3)                                  |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                            |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as SDCCH8 channel for instance 1 of cell A.                                                    |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                     |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                           | CRef | V | Comments |
| 1                           |       | [TSPC_EGSM]                                                                                                                     |      |   |          |
| 2                           |       | +Config_SDCCH8_A_1(63, 19, ChMod_sign, acttype, par_ts, par_tsc, FreqSDCCH8_e1, C_SDCCH8_SACCHC8_1, par_ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending( TCV_sacch8, TCV_sysinfo5, TCV_sysinfo6)                                                                  |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                 |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | SDCCH8_E_A_1_2(acttype: BITSTRING; par_ts:SN; par_tsc:TSC; par_ta: TA; babr, cch_con, bpm:B_3)                                 |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                           |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as SDCCH8 channel for instance 1 of cell A.                                                   |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                    |      |   |          |
| <b>Comments:</b>            |       | default time slot TSPX_TmSlitDef and ARFCN 1015 for E-GSM.                                                                     |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                          | CRef | V | Comments |
| 1                           |       | [TSPC_EGSM]                                                                                                                    |      |   |          |
| 2                           |       | +Config_SDCCH8_A_1(63, 19, ChMod_sign, acttype, par_ts, par_tsc, FreqSDCCH8_e, C_SDCCH8_SACCHC8_1, par_ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacch8, TCV_sysinfo5, TCV_sysinfo6)                                                                  |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                     |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | SDCCH8_E_A_1_1F1(acttype, par_ts: BITSTRING; par_tsc:TSC; par_ta: TA; par_ma: BITSTRING; par_freqlist: OCTETSTRING; par_flist: OCTETSTRING; babr, cch_con, bpm:B_3) |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A.                                                                                |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                         |      |   |          |
| <b>Comments:</b>            |       | Frequency list, time slot and mobile allocation as parameters.                                                                                                      |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                               | CRef | V | Comments |
| 1                           |       | [TSPC_EGSM = TRUE]                                                                                                                                                  |      |   |          |
| 2                           |       | +Config_SDCCH8_A_1(63, 19, ChMod_sign, acttype, par_ts, par_tsc, FreqTCH_ef1(par_ma, par_freqlist, par_flist), C_SDCCH8_SACCHC8_1, par_ta, babr, cch_con, bpm)      |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacch8, TCV_sysinfo5, TCV_sysinfo6)                                                                                                       |      |   |          |
| 4                           |       | [TSPC_DCS = TRUE]                                                                                                                                                   |      |   |          |
| 5                           |       | +Config_SDCCH8_A_1(63, 15, ChMod_sign, acttype, par_ts, par_tsc, FreqTCH_ef1(par_ma, par_freqlist, par_flist), C_SDCCH8_SACCHC8_1, par_ta, babr, cch_con, bpm)      |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacch8, TCV_sysinfo5, TCV_sysinfo6)                                                                                                       |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                     |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                          |      |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | SDCCH8_E_A_1_1F2(acttype, par_ts: BITSTRING; par_tsc:TSC; par_ta: TA; par_ma1: BITSTRING; par_ma2: BITSTRING; par_freqlist: OCTETSTRING; par_flist: OCTETSTRING; babr, cch_con, bpm:B_3) |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                     |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A.                                                                                                     |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                              |      |   |          |
| <b>Comments:</b>            |       | Frequency list, time slot and mobile allocation as parameters.                                                                                                                           |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                    | CRef | V | Comments |
| 1                           |       | [TSPC_EGSM = TRUE]                                                                                                                                                                       |      |   |          |
| 2                           |       | +Config_SDCCH8_A_1(63, 19, ChMod_sign, acttype, par_ts, par_tsc, FreqTCH_ef2(par_ma1, par_ma2, par_freqlist, par_flist), C_SDCCH8_SACCHC8_1, par_ta, babr, cch_con, bpm)                 |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacch8, TCV_sysinfo5, TCV_sysinfo6)                                                                                                                            |      |   |          |
| 4                           |       | [TSPC_DCS = TRUE]                                                                                                                                                                        |      |   |          |
| 5                           |       | +Config_SDCCH8_A_1(63, 15, ChMod_sign, acttype, par_ts, par_tsc, FreqTCH_ef2(par_ma1, par_ma2, par_freqlist, par_flist), C_SDCCH8_SACCHC8_1, par_ta, babr, cch_con, bpm)                 |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacch8, TCV_sysinfo5, TCV_sysinfo6)                                                                                                                            |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                          |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | SDCCH8_HO_A_1_1(acttype, par_ts: BITSTRING; par_tsc:TSC; par_ta: TA; babr, cch_con, bpm:B_3)                                   |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                           |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as SDCCH8 channel for instance 1 of cell A.                                                   |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                    |      |   |          |
| <b>Comments:</b>            |       | default time slot TSPX_TmSlDef and ARFCN = 20 for GSM, ARFCN = 747 for DCS.                                                    |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                          | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                       |      |   |          |
| 2                           |       | +Config_SDCCH8_A_1(63, 19, ChMod_sign, acttype, par_ts, par_tsc, FreqTCHa_ho, C_SDCCH8_SACCHC8_1, par_ta, babr, cch_con, bpm)  |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacch8, TCV_sysinfo5, TCV_sysinfo6)                                                                  |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                                     |      |   |          |
| 5                           |       | +Config_SDCCH8_A_1(63, 15, ChMod_sign, acttype, par_ts, par_tsc, FreqTCHa_hod, C_SDCCH8_SACCHC8_1, par_ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacch8, TCV_sysinfo5, TCV_sysinfo6)                                                                  |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                |      |   |          |



| Test Step Dynamic Behaviour                                                                                          |       |                                                                                                                                    |      |   |          |
|----------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> SDCCH8_HO_A_1_1F(acttype, par_ts: BITSTRING; par_tsc:TSC; par_ta: TA; babr, cch_con, bpm:B_3) |       |                                                                                                                                    |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/management/ChConfig/                                                                   |       |                                                                                                                                    |      |   |          |
| <b>Objective:</b> To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A.               |       |                                                                                                                                    |      |   |          |
| <b>Default:</b> OtherEvents                                                                                          |       |                                                                                                                                    |      |   |          |
| <b>Comments:</b> default time slot TSPX_TmSlitDef and ARFCN = 20 for GSM, ARFCN = 747 for DCS.                       |       |                                                                                                                                    |      |   |          |
| Nr                                                                                                                   | Label | Behaviour Description                                                                                                              | CRef | V | Comments |
| 1                                                                                                                    |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                           |      |   |          |
| 2                                                                                                                    |       | +Config_SDCCH8_A_1(63, 19, ChMod_sign, acttype, par_ts, par_tsc, FreqSDCCHa_hof1, C_SDCCH8_SACCHC8_1, par_ta, babr, cch_con, bpm)  |      |   |          |
| 3                                                                                                                    |       | +SysInfo_SacchSending( TCV_sacch8, TCV_sysinfo5, TCV_sysinfo6)                                                                     |      |   |          |
| 4                                                                                                                    |       | [TSPC_DCS]                                                                                                                         |      |   |          |
| 5                                                                                                                    |       | +Config_SDCCH8_A_1(63, 15, ChMod_sign, acttype, par_ts, par_tsc, FreqSDCCHa_hof1d, C_SDCCH8_SACCHC8_1, par_ta, babr, cch_con, bpm) |      |   |          |
| 6                                                                                                                    |       | +SysInfo_SacchSending( TCV_sacch8, TCV_sysinfo5, TCV_sysinfo6)                                                                     |      |   |          |
| <b>Detailed Comments:</b>                                                                                            |       |                                                                                                                                    |      |   |          |

| Test Step Dynamic Behaviour                                                                                            |       |                                                                                                                                    |      |   |          |
|------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> SDCCH8_HO_A_1_2F(acttype:BITSTRING; par_ts:SN; par_tsc:TSC; par_ta: TA; babr, cch_con, bpm:B_3) |       |                                                                                                                                    |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/management/ChConfig/                                                                     |       |                                                                                                                                    |      |   |          |
| <b>Objective:</b> To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A.                 |       |                                                                                                                                    |      |   |          |
| <b>Default:</b> OtherEvents                                                                                            |       |                                                                                                                                    |      |   |          |
| <b>Comments:</b> default time slot TSPX_TmSlitDef and ARFCN = 20 for GSM, ARFCN = 747 for DCS.                         |       |                                                                                                                                    |      |   |          |
| Nr                                                                                                                     | Label | Behaviour Description                                                                                                              | CRef | V | Comments |
| 1                                                                                                                      |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                           |      |   |          |
| 2                                                                                                                      |       | +Config_SDCCH8_A_1(63, 19, ChMod_sign, acttype, par_ts, par_tsc, FreqSDCCHa_hof2, C_SDCCH8_SACCHC8_1, par_ta, babr, cch_con, bpm)  |      |   |          |
| 3                                                                                                                      |       | +SysInfo_SacchSending( TCV_sacch8, TCV_sysinfo5, TCV_sysinfo6)                                                                     |      |   |          |
| 4                                                                                                                      |       | [TSPC_DCS]                                                                                                                         |      |   |          |
| 5                                                                                                                      |       | +Config_SDCCH8_A_1(63, 15, ChMod_sign, acttype, par_ts, par_tsc, FreqSDCCHa_hof2d, C_SDCCH8_SACCHC8_1, par_ta, babr, cch_con, bpm) |      |   |          |
| 6                                                                                                                      |       | +SysInfo_SacchSending( TCV_sacch8, TCV_sysinfo5, TCV_sysinfo6)                                                                     |      |   |          |
| <b>Detailed Comments:</b>                                                                                              |       |                                                                                                                                    |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                    |      |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | SDCCH8_HO_A_1_3F(acttype:BITSTRING; par_ts:SN; par_tsc:TSC; par_ta: TA; babr, cch_con, bpm:B_3)                                    |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                               |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A.                                               |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                        |      |   |          |
| <b>Comments:</b>            |       | default time slot TSPX_TmSlitDef and ARFCN = 20 for GSM, ARFCN = 747 for DCS.                                                      |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                              | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                           |      |   |          |
| 2                           |       | +Config_SDCCH8_A_1(63, 19, ChMod_sign, acttype, par_ts, par_tsc, FreqSDCCHa_hof3, C_SDCCH8_SACCHC8_1, par_ta, babr, cch_con, bpm)  |      |   |          |
| 3                           |       | +SysInfo_SacchSending( TCV_sacch8, TCV_sysinfo5, TCV_sysinfo6)                                                                     |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                                         |      |   |          |
| 5                           |       | +Config_SDCCH8_A_1(63, 15, ChMod_sign, acttype, par_ts, par_tsc, FreqSDCCHa_hof3d, C_SDCCH8_SACCHC8_1, par_ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending( TCV_sacch8, TCV_sysinfo5, TCV_sysinfo6)                                                                     |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                    |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                        |      |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | SDCCH8_A_1_2(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                       |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                   |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A.                                   |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                            |      |   |          |
| <b>Comments:</b>            |       | hopping parameters are from PIXIT                                                                                      |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                  | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                               |      |   |          |
| 2                           |       | +Config_SDCCH8_A_1(63, 19, ChMod_sign, acttype, slot, tsc, FreqSDCCH8_rg1, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacch8, TCV_sysinfo5, TCV_sysinfo6)                                                          |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                             |      |   |          |
| 5                           |       | +Config_SDCCH8_A_1(63, 15, ChMod_sign, acttype, slot, tsc, FreqSDCCH8_rd1, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacch8, TCV_sysinfo5, TCV_sysinfo6)                                                          |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                        |      |   |          |

| Test Step Dynamic Behaviour                                                                                             |       |                                                                                                                        |      |   |          |
|-------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> SDCCH8_A_1_3(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                 |       |                                                                                                                        |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/management/ChConfig/                                                                      |       |                                                                                                                        |      |   |          |
| <b>Objective:</b> To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A For TC_26_6_13_2. |       |                                                                                                                        |      |   |          |
| <b>Default:</b> OtherEvents                                                                                             |       |                                                                                                                        |      |   |          |
| <b>Comments:</b> hopping parameters are from PIXIT                                                                      |       |                                                                                                                        |      |   |          |
| Nr                                                                                                                      | Label | Behaviour Description                                                                                                  | CRef | V | Comments |
| 1                                                                                                                       |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                               |      |   |          |
| 2                                                                                                                       |       | +Config_SDCCH8_A_1(63, 19, ChMod_sign, acttype, slot, tsc, FreqSDCCH8_rg2, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                                                                                                                       |       | +SysInfo_SacchSending(TCV_sacch8, TCV_sysinfo5, TCV_sysinfo6)                                                          |      |   |          |
| 4                                                                                                                       |       | [TSPC_DCS]                                                                                                             |      |   |          |
| 5                                                                                                                       |       | +Config_SDCCH8_A_1(63, 15, ChMod_sign, acttype, slot, tsc, FreqSDCCH8_rd2, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                                                                                                                       |       | +SysInfo_SacchSending(TCV_sacch8, TCV_sysinfo5, TCV_sysinfo6)                                                          |      |   |          |
| <b>Detailed Comments:</b>                                                                                               |       |                                                                                                                        |      |   |          |

| Test Step Dynamic Behaviour                                                                                             |       |                                                                                                                  |      |   |          |
|-------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> SDCCH8_A_1_4(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                 |       |                                                                                                                  |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/management/ChConfig/                                                                      |       |                                                                                                                  |      |   |          |
| <b>Objective:</b> To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A For TC_26_6_13_3. |       |                                                                                                                  |      |   |          |
| <b>Default:</b> OtherEvents                                                                                             |       |                                                                                                                  |      |   |          |
| <b>Comments:</b> hopping parameters are from PIXIT                                                                      |       |                                                                                                                  |      |   |          |
| Nr                                                                                                                      | Label | Behaviour Description                                                                                            | CRef | V | Comments |
| 1                                                                                                                       |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                         |      |   |          |
| 2                                                                                                                       |       | +Config_SDCCH8_A_1(63, 19, ChMod_sign, acttype, slot, tsc, Freq_rg5, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                                                                                                                       |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                  |      |   |          |
| 4                                                                                                                       |       | [TSPC_DCS]                                                                                                       |      |   |          |
| 5                                                                                                                       |       | +Config_SDCCH8_A_1(63, 15, ChMod_sign, acttype, slot, tsc, Freq_rd5, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                                                                                                                       |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                  |      |   |          |
| <b>Detailed Comments:</b>                                                                                               |       |                                                                                                                  |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                  |      |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | SDCCH8_A_1_5(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                 |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                             |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A For TC_26_6_13_4.            |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                      |      |   |          |
| <b>Comments:</b>            |       | hopping parameters are from PIXIT, used by immediate assignment.                                                 |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                            | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                         |      |   |          |
| 2                           |       | +Config_SDCCH8_A_1(63, 19, ChMod_sign, acttype, slot, tsc, Freq_rg7, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                  |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                       |      |   |          |
| 5                           |       | +Config_SDCCH8_A_1(63, 15, ChMod_sign, acttype, slot, tsc, Freq_rd7, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                  |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                  |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                  |      |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | SDCCH8_A_1_6(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                 |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                             |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A For TC_26_6_13_5.            |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                      |      |   |          |
| <b>Comments:</b>            |       | hopping parameters are from PIXIT, used by immediate assignment.                                                 |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                            | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                         |      |   |          |
| 2                           |       | +Config_SDCCH8_A_1(63, 19, ChMod_sign, acttype, slot, tsc, Freq_rg9, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending( TCV_sacch8, TCV_sysinfo5, TCV_sysinfo6)                                                   |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                       |      |   |          |
| 5                           |       | +Config_SDCCH8_A_1(63, 15, ChMod_sign, acttype, slot, tsc, Freq_rd9, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending( TCV_sacch8, TCV_sysinfo5, TCV_sysinfo6)                                                   |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                  |      |   |          |

| Test Step Dynamic Behaviour                                                                                             |       |                                                                                                                   |      |   |          |
|-------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> SDCCH8_A_1_7(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                 |       |                                                                                                                   |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/management/ChConfig/                                                                      |       |                                                                                                                   |      |   |          |
| <b>Objective:</b> To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A For TC_26_6_13_6. |       |                                                                                                                   |      |   |          |
| <b>Default:</b> OtherEvents                                                                                             |       |                                                                                                                   |      |   |          |
| <b>Comments:</b> hopping parameters are from PIXIT, used by immediate assignment.                                       |       |                                                                                                                   |      |   |          |
| Nr                                                                                                                      | Label | Behaviour Description                                                                                             | CRef | V | Comments |
| 1                                                                                                                       |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                          |      |   |          |
| 2                                                                                                                       |       | +Config_SDCCH8_A_1(63, 19, ChMod_sign, acttype, slot, tsc, Freq_rg12, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                                                                                                                       |       | +SysInfo_SacchSending( TCV_sacch8, TCV_sysinfo5, TCV_sysinfo6)                                                    |      |   |          |
| 4                                                                                                                       |       | [TSPC_DCS]                                                                                                        |      |   |          |
| 5                                                                                                                       |       | +Config_SDCCH8_A_1(63, 15, ChMod_sign, acttype, slot, tsc, Freq_rd12, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                                                                                                                       |       | +SysInfo_SacchSending( TCV_sacch8, TCV_sysinfo5, TCV_sysinfo6)                                                    |      |   |          |
| <b>Detailed Comments:</b>                                                                                               |       |                                                                                                                   |      |   |          |

| Test Step Dynamic Behaviour                                                                                             |       |                                                                                                                   |      |   |          |
|-------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> SDCCH8_A_1_8(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                 |       |                                                                                                                   |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/management/ChConfig/                                                                      |       |                                                                                                                   |      |   |          |
| <b>Objective:</b> To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A For TC_26_6_13_7. |       |                                                                                                                   |      |   |          |
| <b>Default:</b> OtherEvents                                                                                             |       |                                                                                                                   |      |   |          |
| <b>Comments:</b> hopping parameters are from PIXIT, used by immediate assignment.                                       |       |                                                                                                                   |      |   |          |
| Nr                                                                                                                      | Label | Behaviour Description                                                                                             | CRef | V | Comments |
| 1                                                                                                                       |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                          |      |   |          |
| 2                                                                                                                       |       | +Config_SDCCH8_A_1(63, 19, ChMod_sign, acttype, slot, tsc, Freq_rg14, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                                                                                                                       |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                   |      |   |          |
| 4                                                                                                                       |       | [TSPC_DCS]                                                                                                        |      |   |          |
| 5                                                                                                                       |       | +Config_SDCCH8_A_1(63, 15, ChMod_sign, acttype, slot, tsc, Freq_rd14, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                                                                                                                       |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                   |      |   |          |
| <b>Detailed Comments:</b>                                                                                               |       |                                                                                                                   |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                   |      |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | SDCCH8_A_1_9(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                  |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                              |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A For TC_26_6_13_8.             |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                       |      |   |          |
| <b>Comments:</b>            |       | hopping parameters are from PIXIT, used by immediate assignment.                                                  |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                             | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                          |      |   |          |
| 2                           |       | +Config_SDCCH8_A_1(63, 19, ChMod_sign, acttype, slot, tsc, Freq_rg15, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                   |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                        |      |   |          |
| 5                           |       | +Config_SDCCH8_A_1(63, 15, ChMod_sign, acttype, slot, tsc, Freq_rd15, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                   |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                   |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                   |      |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | SDCCH8_A_1_10(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                 |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                              |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A For TC_26_6_13_9.             |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                       |      |   |          |
| <b>Comments:</b>            |       | hopping parameters are from PIXIT, used by immediate assignment before time.                                      |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                             | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                          |      |   |          |
| 2                           |       | +Config_SDCCH8_A_1(63, 19, ChMod_sign, acttype, slot, tsc, Freq_rg16, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                   |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                        |      |   |          |
| 5                           |       | +Config_SDCCH8_A_1(63, 15, ChMod_sign, acttype, slot, tsc, Freq_rd16, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                   |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                   |      |   |          |

| Test Step Dynamic Behaviour                                                                                              |       |                                                                                                                  |      |   |          |
|--------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> SDCCH8_A_1_11(actype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                  |       |                                                                                                                  |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/management/ChConfig/                                                                       |       |                                                                                                                  |      |   |          |
| <b>Objective:</b> To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A For TC_26_6_13_10. |       |                                                                                                                  |      |   |          |
| <b>Default:</b> OtherEvents                                                                                              |       |                                                                                                                  |      |   |          |
| <b>Comments:</b> hopping parameters are from PIXIT, used by immediate assignment after time.                             |       |                                                                                                                  |      |   |          |
| Nr                                                                                                                       | Label | Behaviour Description                                                                                            | CRef | V | Comments |
| 1                                                                                                                        |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                         |      |   |          |
| 2                                                                                                                        |       | +Config_SDCCH8_A_1(63, 19, ChMod_sign, actype, slot, tsc, Freq_rg17, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                                                                                                                        |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                  |      |   |          |
| 4                                                                                                                        |       | [TSPC_DCS]                                                                                                       |      |   |          |
| 5                                                                                                                        |       | +Config_SDCCH8_A_1(63, 15, ChMod_sign, actype, slot, tsc, Freq_rd17, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                                                                                                                        |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                  |      |   |          |
| <b>Detailed Comments:</b>                                                                                                |       |                                                                                                                  |      |   |          |

| Test Step Dynamic Behaviour                                                                                             |       |                                                                                                               |      |   |          |
|-------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> SDCCH8_A_1_12(Freq:FRQPARA; actype:BITSTRING; TmSlit:SN; Tsc:TSC; ta:TA; babr, cch_con, bpm:B_3) |       |                                                                                                               |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/management/ChConfig/                                                                      |       |                                                                                                               |      |   |          |
| <b>Objective:</b> To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A For TC_26_6_6_1.  |       |                                                                                                               |      |   |          |
| <b>Default:</b> OtherEvents                                                                                             |       |                                                                                                               |      |   |          |
| <b>Comments:</b> hopping parameters are from PIXIT, used by immediate assignment.                                       |       |                                                                                                               |      |   |          |
| Nr                                                                                                                      | Label | Behaviour Description                                                                                         | CRef | V | Comments |
| 1                                                                                                                       |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                      |      |   |          |
| 2                                                                                                                       |       | +Config_SDCCH8_A_1(63, 19, ChMod_sign, actype, TmSlit, Tsc, Freq, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                                                                                                                       |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                               |      |   |          |
| 4                                                                                                                       |       | [TSPC_DCS]                                                                                                    |      |   |          |
| 5                                                                                                                       |       | +Config_SDCCH8_A_1(63, 15, ChMod_sign, actype, TmSlit, Tsc, Freq, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                                                                                                                       |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                               |      |   |          |
| <b>Detailed Comments:</b>                                                                                               |       |                                                                                                               |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                    |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | SDCCH8_A_2_1(acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3)                                |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                               |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as hopping SDCCH8 channel for instance 2 of cell A, for TC_26_6_13_1.             |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                        |      |   |          |
| <b>Comments:</b>            |       | hopping parameters are from PIXIT, used as before time channel.                                                    |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                              | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM = TRUE]                                                                                                 |      |   |          |
| 2                           |       | +Config_SDCCH8_A_2(63, 19, ChMod_r01, acttypeT, slotT, tscT, Freq_rg2, C_SDCCH8_SACCHC8_2, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                    |      |   |          |
| 4                           |       | [TSPC_DCS = TRUE]                                                                                                  |      |   |          |
| 5                           |       | +Config_SDCCH8_A_2(63, 15, ChMod_r01, acttypeT, slotT, tscT, Freq_rd2, C_SDCCH8_SACCHC8_2, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                    |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                    |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | SDCCH8_E_A_2_1(acttype: BITSTRING; par_ts:SN; par_tsc:TSC; par_ta: TA; babr, cch_con, bpm:B_3)                                 |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                           |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as hopping SDCCH8 channel for instance 2 of cell A, for TC_26_6_13_1.                         |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                    |      |   |          |
| <b>Comments:</b>            |       | hopping parameters are from PIXIT, used as before time channel.                                                                |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                          | CRef | V | Comments |
| 1                           |       | [TSPC_EGSM = TRUE]                                                                                                             |      |   |          |
| 2                           |       | +Config_SDCCH8_A_2(63, 19, ChMod_r01, acttype, par_ts, par_tsc, FreqSDCCH8_e2, C_SDCCH8_SACCHC8_2, par_ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending( TCV_sacch8, TCV_sysinfo5, TCV_sysinfo6)                                                                 |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                    |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | SDCCH8_A_2_2(acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3)                                |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                               |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as hopping SDCCH8 channel for instance 2 of cell A.                               |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                        |      |   |          |
| <b>Comments:</b>            |       | hopping parameters are from PIXIT, used as before time channel.                                                    |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                              | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                           |      |   |          |
| 2                           |       | +Config_SDCCH8_A_2(63, 19, ChMod_r02, acttypeT, slotT, tscT, Freq_rg4, C_SDCCH8_SACCHC8_2, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                    |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                         |      |   |          |
| 5                           |       | +Config_SDCCH8_A_2(63, 15, ChMod_r02, acttypeT, slotT, tscT, Freq_rd4, C_SDCCH8_SACCHC8_2, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending(TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                    |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                    |      |   |          |



| Test Step Dynamic Behaviour                                                                                |       |                                                                                                                    |      |   |          |
|------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> SDCCH8_A_3_1(acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3) |       |                                                                                                                    |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/management/ChConfig/                                                         |       |                                                                                                                    |      |   |          |
| <b>Objective:</b> To set one physical channel used as hopping SDCCH8 channel for instance 3 of cell A.     |       |                                                                                                                    |      |   |          |
| <b>Default:</b> OtherEvents                                                                                |       |                                                                                                                    |      |   |          |
| <b>Comments:</b> hopping parameters are from PIXIT, used as after time channel.                            |       |                                                                                                                    |      |   |          |
| Nr                                                                                                         | Label | Behaviour Description                                                                                              | CRef | V | Comments |
| 1                                                                                                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                           |      |   |          |
| 2                                                                                                          |       | +Config_SDCCH8_A_3(63, 19, ChMod_r01, acttypeT, slotT, tscT, Freq_rg3, C_SDCCH8_SACCHC8_3, ta, babr, cch_con, bpm) |      |   |          |
| 3                                                                                                          |       | +SysInfo_SacchSending( TCV_sacchTch1, TCV_sysinfo5, TCV_sysinfo6)                                                  |      |   |          |
| 4                                                                                                          |       | [TSPC_DCS]                                                                                                         |      |   |          |
| 5                                                                                                          |       | +Config_SDCCH8_A_3(63, 15, ChMod_r01, acttypeT, slotT, tscT, Freq_rd3, C_SDCCH8_SACCHC8_3, ta, babr, cch_con, bpm) |      |   |          |
| 6                                                                                                          |       | +SysInfo_SacchSending( TCV_sacchTch1, TCV_sysinfo5, TCV_sysinfo6)                                                  |      |   |          |
| <b>Detailed Comments:</b>                                                                                  |       |                                                                                                                    |      |   |          |

| Test Step Dynamic Behaviour                                                                                             |       |                                                                                                                      |      |   |          |
|-------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> SDCCH8_B_1_1(acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3)              |       |                                                                                                                      |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/management/ChConfig/                                                                      |       |                                                                                                                      |      |   |          |
| <b>Objective:</b> To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell B For TC_26_6_13_5. |       |                                                                                                                      |      |   |          |
| <b>Default:</b> OtherEvents                                                                                             |       |                                                                                                                      |      |   |          |
| <b>Comments:</b> hopping parameters are from PIXIT, used by handover command after time channel.                        |       |                                                                                                                      |      |   |          |
| Nr                                                                                                                      | Label | Behaviour Description                                                                                                | CRef | V | Comments |
| 1                                                                                                                       |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                             |      |   |          |
| 2                                                                                                                       |       | +Config_SDCCH8_B_1(63, 19, ChMod_sign, acttypeT, slotT, tscT, Freq_rg10, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                                                                                                                       |       | +SysInfo_SacchSending( TCV_sacchTch1, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                |      |   |          |
| 4                                                                                                                       |       | [TSPC_DCS]                                                                                                           |      |   |          |
| 5                                                                                                                       |       | +Config_SDCCH8_B_1(63, 15, ChMod_sign, acttypeT, slotT, tscT, Freq_rd10, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                                                                                                                       |       | +SysInfo_SacchSending( TCV_sacchTch1, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                |      |   |          |
| <b>Detailed Comments:</b>                                                                                               |       |                                                                                                                      |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                      |      |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | SDCCH8_B_1_2(acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3)                                  |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                 |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell B For TC_26_6_13_6.                |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                          |      |   |          |
| <b>Comments:</b>            |       | hopping parameters are from PIXIT, used by handover command after time channel.                                      |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                             |      |   |          |
| 2                           |       | +Config_SDCCH8_B_1(63, 19, ChMod_sign, acttypeT, slotT, tscT, Freq_rg13, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending( TCV_sacchTch, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                 |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                           |      |   |          |
| 5                           |       | +Config_SDCCH8_B_1(63, 15, ChMod_sign, acttypeT, slotT, tscT, Freq_rd13, C_SDCCH8_SACCHC8_1, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending( TCV_sacchTch, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                 |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                      |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                      |      |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | SDCCH8_B_2_1(acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3)                                  |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                 |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as hopping SDCCH8 channel for instance 2 of cell B For TC_26_6_13_5.                |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                          |      |   |          |
| <b>Comments:</b>            |       | hopping parameters are from PIXIT, used by handover command before time channel.                                     |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                             |      |   |          |
| 2                           |       | +Config_SDCCH8_B_2(63, 19, ChMod_sign, acttypeT, slotT, tscT, Freq_rg11, C_SDCCH8_SACCHC8_2, ta, babr, cch_con, bpm) |      |   |          |
| 3                           |       | +SysInfo_SacchSending( TCV_sacchTch, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                 |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                           |      |   |          |
| 5                           |       | +Config_SDCCH8_B_2(63, 15, ChMod_sign, acttypeT, slotT, tscT, Freq_rd11, C_SDCCH8_SACCHC8_2, ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending( TCV_sacchTch, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                 |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                      |      |   |          |

| Test Step Dynamic Behaviour                                  |       |                                                                                                                                                                    |      |   |          |
|--------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>                                       |       | SDCCH8_E_B_1_1F(acttype, par_ts: BITSTRING; par_tsc:TSC; par_ta: TA; par_ma: BITSTRING; par_freqlist: OCTETSTRING; par_flist: OCTETSTRING; babr, cch_con, bpm:B_3) |      |   |          |
| <b>Group:</b>                                                |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                                               |      |   |          |
| <b>Objective:</b>                                            |       | To set one physical channel used as non hopping SDCCH8 channel for instance 1 of cell B                                                                            |      |   |          |
| <b>Default:</b>                                              |       | OtherEvents                                                                                                                                                        |      |   |          |
| Nr                                                           | Label | Behaviour Description                                                                                                                                              | CRef | V | Comments |
| 1                                                            |       | [TSPC_EGSM]                                                                                                                                                        |      |   |          |
| 2                                                            |       | +Config_SDCCH8_B_1(63, 19, ChMod_sign, acttype, par_ts, par_tsc, FreqTCH_ef1(par_ma, par_freqlist, par_flist), C_SDCCH8_SACCHC8_1, par_ta, babr, cch_con, bpm)     |      |   |          |
| 3                                                            |       | +SysInfo_SacchSending( TCV_sacch8, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                                                 |      |   |          |
| <b>Detailed Comments:</b> 1) using of FreqTCH_ef2 is correct |       |                                                                                                                                                                    |      |   |          |

| Test Step Dynamic Behaviour                                                                                                                                                                                    |       |                                                                                                                                                                           |      |   |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> SDCCH8_E_B_1_2F(acttype, par_ts: BITSTRING; par_tsc:TSC; par_ta: TA; par_ma1: BITSTRING;par_ma2: BITSTRING; par_freqlist: OCTETSTRING; par_flistl: OCTETSTRING; babr, cch_con, bpm:B_3) |       |                                                                                                                                                                           |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/management/ChConfig/                                                                                                                                                             |       |                                                                                                                                                                           |      |   |          |
| <b>Objective:</b> To set one physical channel used as non hopping SDCCH8 channel for instance 1 of cell B                                                                                                      |       |                                                                                                                                                                           |      |   |          |
| <b>Default:</b> OtherEvents                                                                                                                                                                                    |       |                                                                                                                                                                           |      |   |          |
| Nr                                                                                                                                                                                                             | Label | Behaviour Description                                                                                                                                                     | CRef | V | Comments |
| 1                                                                                                                                                                                                              |       | [TSPC_EGSM]                                                                                                                                                               |      |   |          |
| 2                                                                                                                                                                                                              |       | +Config_SDCCH8_B_1(63, 19, ChMod_sign, acttype, par_ts, par_tsc, FreqTCH_ef2(par_ma1, par_ma2, par_freqlist, par_flistl), C_SDCCH8_SACCHC8_1, par_ta, babr, cch_con, bpm) |      |   |          |
| 3                                                                                                                                                                                                              |       | +SysInfo_SacchSending( TCV_sacch8, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                                                        |      |   |          |
| <b>Detailed Comments:</b> 1) using of FreqTCH_ef2 is correct                                                                                                                                                   |       |                                                                                                                                                                           |      |   |          |

| Test Step Dynamic Behaviour                                                                                            |       |                                                                                                                                     |      |   |          |
|------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> SDCCH8_HO_B_1_1F(acttype:BITSTRING; par_ts:SN; par_tsc:TSC; par_ta: TA; babr, cch_con, bpm:B_3) |       |                                                                                                                                     |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/management/ChConfig/                                                                     |       |                                                                                                                                     |      |   |          |
| <b>Objective:</b> To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell B.                 |       |                                                                                                                                     |      |   |          |
| <b>Default:</b> OtherEvents                                                                                            |       |                                                                                                                                     |      |   |          |
| <b>Comments:</b> default time slot TSPX_TmSlitDef and ARFCN = 20 for GSM, ARFCN = 747 for DCS.                         |       |                                                                                                                                     |      |   |          |
| Nr                                                                                                                     | Label | Behaviour Description                                                                                                               | CRef | V | Comments |
| 1                                                                                                                      |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                            |      |   |          |
| 2                                                                                                                      |       | +Config_SDCCH8_B_1(63, 19, ChMod_sign, acttype, par_ts, par_tsc, FreqSDCCH8b_hof1, C_SDCCH8_SACCHC8_1, par_ta, babr, cch_con, bpm)  |      |   |          |
| 3                                                                                                                      |       | +SysInfo_SacchSending( TCV_sacchTch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                              |      |   |          |
| 4                                                                                                                      |       | [TSPC_DCS]                                                                                                                          |      |   |          |
| 5                                                                                                                      |       | +Config_SDCCH8_B_1(63, 15, ChMod_sign, acttype, par_ts, par_tsc, FreqSDCCH8b_hof1d, C_SDCCH8_SACCHC8_1, par_ta, babr, cch_con, bpm) |      |   |          |
| 6                                                                                                                      |       | +SysInfo_SacchSending( TCV_sacchTch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                              |      |   |          |
| <b>Detailed Comments:</b>                                                                                              |       |                                                                                                                                     |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                     |      |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | SDCCH8_HO_B_1_2F(acttype, par_ts: BITSTRING; par_tsc:TSC; par_ta: TA; babr, cch_con, bpm:B_3)                                       |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell B.                                                |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                         |      |   |          |
| <b>Comments:</b>            |       | default time slot TSPX_TmSlTDef and ARFCN = 20 for GSM, ARFCN = 747 for DCS.                                                        |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                               | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                            |      |   |          |
| 2                           |       | +Config_SDCCH8_B_1(63, 19, ChMod_sign, acttype, par_ts, par_tsc, FreqSDCCH8b_hof2, C_SDCCH8_SACCHC8_1, par_ta, babr, cch_con, bpm)  |      |   |          |
| 3                           |       | +SysInfo_SacchSending( TCV_sacch8, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                  |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                                          |      |   |          |
| 5                           |       | +Config_SDCCH8_B_1(63, 15, ChMod_sign, acttype, par_ts, par_tsc, FreqSDCCH8b_hof2d, C_SDCCH8_SACCHC8_1, par_ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending( TCV_sacch8, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                  |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                     |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                     |      |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | SDCCH8_HO_B_1_3F(acttype:BITSTRING; par_ts:SN; par_tsc:TSC; par_ta: TA; babr, cch_con, bpm:B_3)                                     |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/management/ChConfig/                                                                                                |      |   |          |
| <b>Objective:</b>           |       | To set one physical channel used as hopping SDCCH8 channel for instance 1 of cell A.                                                |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                         |      |   |          |
| <b>Comments:</b>            |       | default time slot TSPX_TmSlTDef and ARFCN = 20 for GSM, ARFCN = 747 for DCS.                                                        |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                               | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                            |      |   |          |
| 2                           |       | +Config_SDCCH8_B_1(63, 19, ChMod_sign, acttype, par_ts, par_tsc, FreqSDCCH8b_hof3, C_SDCCH8_SACCHC8_1, par_ta, babr, cch_con, bpm)  |      |   |          |
| 3                           |       | +SysInfo_SacchSending( TCV_sacch8, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                  |      |   |          |
| 4                           |       | [TSPC_DCS]                                                                                                                          |      |   |          |
| 5                           |       | +Config_SDCCH8_B_1(63, 15, ChMod_sign, acttype, par_ts, par_tsc, FreqSDCCH8b_hof2d, C_SDCCH8_SACCHC8_1, par_ta, babr, cch_con, bpm) |      |   |          |
| 6                           |       | +SysInfo_SacchSending( TCV_sacch8, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                  |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                     |      |   |          |

## Test Step Group Miscellaneous

| Test Step Dynamic Behaviour |       |                                                                                  |      |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Adjust_gsmanddcs_powerlvl(powerlevel1,powerlevel2:INTEGER; pdu_ass: ASS_CMD_PDU) |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                   |      |   |          |
| <b>Objective:</b>           |       |                                                                                  |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                      |      |   |          |
| Nr                          | Label | Behaviour Description                                                            | CRef | V | Comments |
| 1                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                         |      |   |          |
| 2                           |       | [powerlevel1 <> 0]                                                               |      |   |          |
| 3                           |       | (pdu_ass.pcmd :=<br>Pcmd_19(INT_TO_BIT(powerlevel1,5)))                          |      |   |          |
| 4                           |       | [powerlevel1 = 0]                                                                |      |   |          |
| 5                           |       | [TSPC_DCS]                                                                       |      |   |          |
| 6                           |       | (pdu_ass.pcmd :=<br>Pcmd_19(INT_TO_BIT(powerlevel2,5)))                          |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                  |      |   |          |

| Test Step Dynamic Behaviour |       |                                                           |                   |     |          |
|-----------------------------|-------|-----------------------------------------------------------|-------------------|-----|----------|
| <b>Test Step Name:</b>      |       | AOC_CHK_FAC(ti:TI)                                        |                   |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                            |                   |     |          |
| <b>Objective:</b>           |       | Check the reception of FACILITY within one second at AOCC |                   |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                           |                   |     |          |
| Nr                          | Label | Behaviour Description                                     | CRef              | V   | Comments |
| 1                           |       | L?DL_DatInConnAck                                         | ConnAckRcv_01(ti) |     |          |
| 2                           |       | L?DL_DatInFac CANCEL T_dly1                               | Facility_19(ti)   | (P) |          |
| 3                           |       | ?TIMEOUT T_dly1                                           |                   | (F) |          |
| 4                           |       | L?DL_DatInFac                                             | Facility_19(ti)   |     |          |
| 5                           |       | L?DL_DatInFac CANCEL T_dly1                               | Facility_19(ti)   | (P) |          |
| 6                           |       | L?DL_DatInConnAck                                         | ConnAckRcv_01(ti) |     |          |
| 7                           |       | ?TIMEOUT T_dly1                                           |                   | (F) |          |
| 8                           |       | L?DL_DatInConnAck                                         | ConnAckRcv_01(ti) |     |          |
| 9                           |       | L?DL_DatInFac                                             | Facility_19(ti)   |     |          |
| 10                          |       | L?DL_DatInFac                                             | Facility_19(ti)   |     |          |
| 11                          |       | L?DL_DatInConnAck                                         | ConnAckRcv_01(ti) |     |          |
| <b>Detailed Comments:</b>   |       |                                                           |                   |     |          |

| Test Step Dynamic Behaviour |       |                                                                                                           |                           |     |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------|---------------------------|-----|----------|
| <b>Test Step Name:</b>      |       | AssCh_complete(oldch,newch:LOGICCH; pdu_ass: ASS_CMD_PDU)                                                 |                           |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                                            |                           |     |          |
| <b>Objective:</b>           |       | To provide a generic test step to Assign a traffic channel. Assign complete expected and verdict is PASS. |                           |     |          |
| <b>Default:</b>             |       | OtherEvents                                                                                               |                           |     |          |
| Nr                          | Label | Behaviour Description                                                                                     | CRef                      | V   | Comments |
| 1                           |       | L!DL_DatRqAssCmd START T_dlyAss(600)                                                                      | AssCmd(oldch,pdu_a<br>ss) |     |          |
| 2                           |       | ?TIMEOUT T_dlyAss                                                                                         |                           | (F) |          |
| 3                           |       | +PostMainLinkRel(oldch)                                                                                   |                           |     |          |
| 4                           |       | L?DL_EstIn (TCV_FnAss := DL_EstIn.fn) CANCEL<br>T_dlyAss                                                  | DLEstInd(newch)           |     |          |
| 5                           |       | L?DL_DatInAssCom                                                                                          | AssCmp_02(newch)          | (P) |          |
| 6                           |       | LIMDL_RelRq                                                                                               | MDLRelReq_01(oldch<br>)   |     |          |
| 7                           |       | L?DL_EstIn CANCEL T_dlyAss                                                                                | DLEstInd(oldch)           |     |          |
| 8                           |       | L?DL_DatInAssfl                                                                                           | AssFl_any_cau(oldch)      | (F) |          |
| 9                           |       | +PostMainLinkRel(oldch)                                                                                   |                           |     |          |
| <b>Detailed Comments:</b>   |       |                                                                                                           |                           |     |          |

| Test Step Dynamic Behaviour |       |                                                                                                          |                    |     |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------|--------------------|-----|----------|
| <b>Test Step Name:</b>      |       | AssCh_failure(ch:LOGICCH; pdu_ass: ASS_CMD_PDU; any:BOOLEAN)                                             |                    |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                                           |                    |     |          |
| <b>Objective:</b>           |       | To provide a generic test step to Assign a traffic channel. Assign failure expected and verdict is PASS. |                    |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                          |                    |     |          |
| Nr                          | Label | Behaviour Description                                                                                    | CRef               | V   | Comments |
| 1                           |       | L!DL_DatRqAssCmd START T_dlyAss(4000)                                                                    | AssCmd(ch,pdu_ass) |     |          |
| 2                           |       | [any]                                                                                                    |                    |     |          |
| 3                           |       | ?TIMEOUT T_dlyAss                                                                                        |                    | (F) |          |
| 4                           |       | +PostMainLinkRel(ch)                                                                                     |                    |     |          |
| 5                           |       | L?DL_EstIn (TCV_FnAss := DL_EstIn.fn)<br>CANCEL T_dlyAss                                                 | DLEstInd(ch)       |     |          |
| 6                           |       | L?DL_DatInAssfl                                                                                          | AssFI_any_cau(ch)  | (P) |          |
| 7                           |       | [NOT any]                                                                                                |                    |     |          |
| 8                           |       | ?TIMEOUT T_dlyAss                                                                                        |                    | (F) |          |
| 9                           |       | +PostMainLinkRel(ch)                                                                                     |                    |     |          |
| 10                          |       | L?DL_EstIn (TCV_FnAss := DL_EstIn.fn)<br>CANCEL T_dlyAss                                                 | DLEstInd(ch)       |     |          |
| 11                          |       | L?DL_DatInAssfl                                                                                          | AssFI_02(ch)       | (P) |          |
| <b>Detailed Comments:</b>   |       |                                                                                                          |                    |     |          |

| Test Step Dynamic Behaviour |       |                                                                                   |      |   |           |
|-----------------------------|-------|-----------------------------------------------------------------------------------|------|---|-----------|
| <b>Test Step Name:</b>      |       | AssCmdGenMO(rate:IA5String)                                                       |      |   |           |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                    |      |   |           |
| <b>Objective:</b>           |       | To generate the ASSIGNMENT COMMAND message.                                       |      |   |           |
| <b>Default:</b>             |       | OtherEvents                                                                       |      |   |           |
| Nr                          | Label | Behaviour Description                                                             | CRef | V | Comments  |
| 1                           |       | [rate <> C_Half]                                                                  |      |   | Full rate |
| 2                           |       | +ltree_AsgnTchF                                                                   |      |   |           |
| 3                           |       | [rate = C_Half]                                                                   |      |   | Half rate |
| 4                           |       | +ltree_AsgnTchH                                                                   |      |   |           |
| <b>ltree_AsgnTchF</b>       |       |                                                                                   |      |   |           |
| 5                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                          |      |   |           |
| 6                           |       | (TCV_AssCmd := AsgnCmd_tchf(TSPX_TmSlitDef,<br>TSPX_TscDef))                      |      |   |           |
| 7                           |       | (TCV_AssCmd.ch1mod := TCV_ChMod,<br>TCV_AssCmd.pcmd.pl := '00111'B)               |      |   |           |
| 8                           |       | [TSPC_DCS]                                                                        |      |   |           |
| 9                           |       | (TCV_AssCmd :=<br>AsgnCmd_dtchf(TSPX_TmSlitDef, TSPX_TscDef))                     |      |   |           |
| 10                          |       | (TCV_AssCmd.ch1mod := TCV_ChMod,<br>TCV_AssCmd.pcmd.pl := '00011'B)               |      |   |           |
| <b>ltree_AsgnTchH</b>       |       |                                                                                   |      |   |           |
| 11                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                          |      |   |           |
| 12                          |       | (TCV_AssCmd :=<br>AsgnCmd_tchh(TSPX_TCHHSubDef,<br>TSPX_TmSlitDef, TSPX_TscDef))  |      |   |           |
| 13                          |       | (TCV_AssCmd.ch1mod := TCV_ChMod,<br>TCV_AssCmd.pcmd.pl := '00111'B)               |      |   |           |
| 14                          |       | [TSPC_DCS]                                                                        |      |   |           |
| 15                          |       | (TCV_AssCmd :=<br>AsgnCmd_dtchh(TSPX_TCHHSubDef,<br>TSPX_TmSlitDef, TSPX_TscDef)) |      |   |           |
| 16                          |       | (TCV_AssCmd.ch1mod := TCV_ChMod,<br>TCV_AssCmd.pcmd.pl := '00011'B)               |      |   |           |
| <b>Detailed Comments:</b>   |       |                                                                                   |      |   |           |

| Test Step Dynamic Behaviour                                                                                                                |       |                                                                                   |      |   |          |
|--------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> AssCmdGenMT                                                                                                         |       |                                                                                   |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/                                                                                               |       |                                                                                   |      |   |          |
| <b>Objective:</b> To generate the ASSIGNMENT COMMAND message acc. to the contents of the CALL CONFIRM message in a mobile terminated call. |       |                                                                                   |      |   |          |
| <b>Default:</b> OtherEvents                                                                                                                |       |                                                                                   |      |   |          |
| Nr                                                                                                                                         | Label | Behaviour Description                                                             | CRef | V | Comments |
| 1                                                                                                                                          |       | [(TCV_CallCfm.bcap1.rchr='01'B) OR<br>(TCV_CallCfm.bcap1.rchr='11'B)]             |      |   |          |
| 2                                                                                                                                          |       | +ltree_AsgnTchF                                                                   |      |   |          |
| 3                                                                                                                                          |       | [TCV_CallCfm.bcap1.rchr='10'B]                                                    |      |   |          |
| 4                                                                                                                                          |       | +ltree_AsgnTchH                                                                   |      |   |          |
| <b>ltree_AsgnTchF</b>                                                                                                                      |       |                                                                                   |      |   |          |
| 5                                                                                                                                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                          |      |   |          |
| 6                                                                                                                                          |       | (TCV_AssCmd := AsgnCmd_tchf(TSPX_TmSlitDef,<br>TSPX_TscDef))                      |      |   |          |
| 7                                                                                                                                          |       | (TCV_AssCmd.ch1mod := TCV_ChMod,<br>TCV_AssCmd.pcmd.pl := '00111'B)               |      |   |          |
| 8                                                                                                                                          |       | [TSPC_DCS]                                                                        |      |   |          |
| 9                                                                                                                                          |       | (TCV_AssCmd :=<br>AsgnCmd_dtchf(TSPX_TmSlitDef, TSPX_TscDef))                     |      |   |          |
| 10                                                                                                                                         |       | (TCV_AssCmd.ch1mod := TCV_ChMod,<br>TCV_AssCmd.pcmd.pl := '00011'B)               |      |   |          |
| <b>ltree_AsgnTchH</b>                                                                                                                      |       |                                                                                   |      |   |          |
| 11                                                                                                                                         |       | [TSPC_PGSM OR TSPC_EGSM]                                                          |      |   |          |
| 12                                                                                                                                         |       | (TCV_AssCmd :=<br>AsgnCmd_tchh(TSPX_TCHHSubDef,<br>TSPX_TmSlitDef, TSPX_TscDef))  |      |   |          |
| 13                                                                                                                                         |       | (TCV_AssCmd.ch1mod := TCV_ChMod,<br>TCV_AssCmd.pcmd.pl := '00111'B)               |      |   |          |
| 14                                                                                                                                         |       | [TSPC_DCS]                                                                        |      |   |          |
| 15                                                                                                                                         |       | (TCV_AssCmd :=<br>AsgnCmd_dtchh(TSPX_TCHHSubDef,<br>TSPX_TmSlitDef, TSPX_TscDef)) |      |   |          |
| 16                                                                                                                                         |       | (TCV_AssCmd.ch1mod := TCV_ChMod,<br>TCV_AssCmd.pcmd.pl := '00011'B)               |      |   |          |
| <b>Detailed Comments:</b>                                                                                                                  |       |                                                                                   |      |   |          |

| Test Step Dynamic Behaviour                                                                                                      |       |                                                                     |      |   |          |
|----------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> AssCmdGen2MT                                                                                              |       |                                                                     |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/                                                                                     |       |                                                                     |      |   |          |
| <b>Objective:</b> To generate the ASSIGNMENT COMMAND message in a mobile terminated call using the generic call setup procedure. |       |                                                                     |      |   |          |
| <b>Default:</b> OtherEvents                                                                                                      |       |                                                                     |      |   |          |
| Nr                                                                                                                               | Label | Behaviour Description                                               | CRef | V | Comments |
| 1                                                                                                                                |       | [TSPC_PGSM OR TSPC_EGSM]                                            |      |   |          |
| 2                                                                                                                                |       | (TCV_AssCmd := AsgnCmd_tchf(TSPX_TmSlitDef,<br>TSPX_TscDef))        |      |   |          |
| 3                                                                                                                                |       | (TCV_AssCmd.ch1mod := TCV_ChMod,<br>TCV_AssCmd.pcmd.pl := '00111'B) |      |   |          |
| 4                                                                                                                                |       | [TSPC_DCS]                                                          |      |   |          |
| 5                                                                                                                                |       | (TCV_AssCmd :=<br>AsgnCmd_dtchf(TSPX_TmSlitDef, TSPX_TscDef))       |      |   |          |
| 6                                                                                                                                |       | (TCV_AssCmd.ch1mod := TCV_ChMod,<br>TCV_AssCmd.pcmd.pl := '00011'B) |      |   |          |
| <b>Detailed Comments:</b>                                                                                                        |       |                                                                     |      |   |          |

| Test Step Dynamic Behaviour                                                                                                                                                                                                                                                                                                                                         |       |                                                                                                                                                                                                             |      |   |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> Assoc(lgch1:LOGICCH; sublgch1:LOGICCH; sublgch2:LOGICCH; sublgch3:LOGICCH; sublgch4:LOGICCH; sublgch5:LOGICCH; sublgch6:LOGICCH; sublgch7: LOGICCH; sublgch8:LOGICCH; lgch2:LOGICCH; sublgch9:LOGICCH; sublgch10:LOGICCH; sublgch11:LOGICCH; sublgch12:LOGICCH; sublgch13:LOGICCH; sublgch14:LOGICCH; sublgch15: LOGICCH; sublgch16:LOGICCH) |       |                                                                                                                                                                                                             |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/                                                                                                                                                                                                                                                                                                                        |       |                                                                                                                                                                                                             |      |   |          |
| <b>Objective:</b> To associate the sub logic channel identifiers to the generic "parent" channel identifiers therefore the subchannel identifiers can refer to the corresponding channels configured by OM_ChConf.                                                                                                                                                  |       |                                                                                                                                                                                                             |      |   |          |
| <b>Default:</b> OtherEvents                                                                                                                                                                                                                                                                                                                                         |       |                                                                                                                                                                                                             |      |   |          |
| Nr                                                                                                                                                                                                                                                                                                                                                                  | Label | Behaviour Description                                                                                                                                                                                       | CRef | V | Comments |
| 1                                                                                                                                                                                                                                                                                                                                                                   |       | (TCV_Null := OM_Assoc(lgch1, sublgch1, sublgch2, sublgch3, sublgch4, sublgch5, sublgch6, sublgch7, sublgch8, lgch2, sublgch9, sublgch10, sublgch11, sublgch12, sublgch13, sublgch14, sublgch15, sublgch16)) |      |   |          |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                           |       |                                                                                                                                                                                                             |      |   |          |

| Test Step Dynamic Behaviour                                         |       |                                                          |                      |     |          |
|---------------------------------------------------------------------|-------|----------------------------------------------------------|----------------------|-----|----------|
| <b>Test Step Name:</b> Authentication(ch: LOGICCH; cksn: BITSTRING) |       |                                                          |                      |     |          |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/                        |       |                                                          |                      |     |          |
| <b>Objective:</b>                                                   |       |                                                          |                      |     |          |
| <b>Default:</b> OtherEventsFail                                     |       |                                                          |                      |     |          |
| Nr                                                                  | Label | Behaviour Description                                    | CRef                 | V   | Comments |
| 1                                                                   |       | L!DL_DatRqAuthRq                                         | AuthReq_30(ch, cksn) |     |          |
| 2                                                                   |       | L?DL_DatInAuthRes (TCV_Sres := DL_DatInAuthRes.msg.sres) | AuthRes_01           |     |          |
| 3                                                                   |       | (TCV_Res := OC_ChkSRES(TCV_Sres, TSPX_Ki, TSPX_RANDDef)) |                      |     |          |
| 4                                                                   |       | [TCV_Res = FALSE]                                        |                      | (F) | 1)       |
| 5                                                                   |       | [TCV_Res = TRUE]                                         |                      | (P) |          |
| <b>Detailed Comments:</b> Authentication fails.                     |       |                                                          |                      |     |          |

| Test Step Dynamic Behaviour                                                                      |       |                       |                             |   |          |
|--------------------------------------------------------------------------------------------------|-------|-----------------------|-----------------------------|---|----------|
| <b>Test Step Name:</b> CCAAuthenticate(ch:LOGICCH)                                               |       |                       |                             |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/                                                     |       |                       |                             |   |          |
| <b>Objective:</b> Send authentication request and wait for response. This is used in CC testing. |       |                       |                             |   |          |
| <b>Default:</b> OtherEvents                                                                      |       |                       |                             |   |          |
| Nr                                                                                               | Label | Behaviour Description | CRef                        | V | Comments |
| 1                                                                                                |       | L!DL_DatRqAuthRq      | AuthReq(ch, AuthRequest_01) |   |          |
| 2                                                                                                |       | L?DL_DatInAuthRes     | AuthRes(AuthResponse_01)    |   |          |
| <b>Detailed Comments:</b>                                                                        |       |                       |                             |   |          |



| <b>Test Step Dynamic Behaviour</b> |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |   |          |
|------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>             |       | CCAssignTCH(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |   |          |
| <b>Group:</b>                      |       | GSM_L3_MS_v4160/Miscellaneous/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |   |          |
| <b>Objective:</b>                  |       | Send assign command TCH/H or TCH/F depending on TCV_ChRate and wait for establishment indication. This is used in CC testing.                                                                                                                                                                                                                                                                                                                                                                                                          |      |   |          |
| <b>Default:</b>                    |       | OtherEvents                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |   |          |
| <b>Comments:</b>                   |       | The calling tree prepare three variables for the step: TCV_ChRate for the type of the channel, TCV_chMod with th channel mode IE for the channel, TCV_chTch contains the identifier for the traffic channel and TCV_chtype the channel type.                                                                                                                                                                                                                                                                                           |      |   |          |
| Nr                                 | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CRef | V | Comments |
| 1                                  |       | [TCV_ChRate = C_Full]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |   | 1.       |
| 2                                  |       | (TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_chtype := '00001'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |   |          |
| 3                                  |       | +FullRateCh_A_def(acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |   |          |
| 4                                  |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |   |          |
| 5                                  |       | [TCV_ChRate = C_Half]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |   | 2.       |
| 6                                  |       | (TCV_chTch := OC_SubchOfFacchh(TSPX_TCHHSubDef, C_CellA, 1), TCV_sacchTch := OC_SubchOfSacchh(TSPX_TCHHSubDef, C_CellA, 1))                                                                                                                                                                                                                                                                                                                                                                                                            |      |   |          |
| 7                                  |       | +HalfRateCh_A_def(acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |   |          |
| 8                                  |       | [TSPX_TCHHSubDef = '0'B]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |   |          |
| 9                                  |       | (TCV_chtype := '00010'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |   |          |
| 10                                 |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |   |          |
| 11                                 |       | [TSPX_TCHHSubDef = '1'B]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |   |          |
| 12                                 |       | (TCV_chtype := '00011'B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |   |          |
| 13                                 |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |   |          |
|                                    |       | <b>localtree</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 14                                 |       | (TCV_Null := OM_ChMdModi(TCV_chTch, TCV_ChMod), TCV_Null := OM_CphMd(TCV_chTch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                                                                                                                                                                                                                                                |      |   |          |
| 15                                 |       | +ltree_Asgn                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |   | 3.       |
| 16                                 |       | +AssCh_complete(TCV_ch, TCV_chTch, TCV_AssCmd)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |   | 4. 5.    |
|                                    |       | <b>ltree_Asgn</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |   |          |
| 17                                 |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |   |          |
| 18                                 |       | (TCV_AssCmd := AsgnCmd_31(TCV_chtype, TCV_ChMod, slot, tsc))                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |   |          |
| 19                                 |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |   |          |
| 20                                 |       | (TCV_AssCmd := AsgnCmd_31d(TCV_chtype, TCV_ChMod, slot, tsc))                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |   |          |
| <b>Detailed Comments:</b>          |       | <ol style="list-style-type: none"> <li>1. Full rate channel needed, to setup a physical channel as full rate traffic channel.</li> <li>2. Half rate channel needed, to setup the physical channel as half rate traffic channel.</li> <li>3. To assign the suitable traffic channel to the MS.</li> <li>4. ASSIGN COMMAND with channel mode, channel description and power command.<br/>The channel mode and type (TCH/H or TCH/F) and power command are supplied as parameter.</li> <li>5. Different power command for DCS.</li> </ol> |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                  |      |   |                       |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|-----------------------|
| <b>Test Step Name:</b>      |       | CCCH_group_Paging_group(ccd: CCD; imsi: HEXSTRING)                                                                                                                                               |      |   |                       |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                                                                                                                                   |      |   |                       |
| <b>Objective:</b>           |       | To calculate the CCCH group and the Paging group from the IMSI and the Control Channel Descriptor according to GSM 05.02, subclause 6.5.2.                                                       |      |   |                       |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                      |      |   |                       |
| Nr                          | Label | Behaviour Description                                                                                                                                                                            | CRef | V | Comments              |
| 1                           |       | [ccd.ccch_con = '000'B]                                                                                                                                                                          |      |   |                       |
| 2                           |       | (TCV_bs_cc_chans := 1)                                                                                                                                                                           |      |   |                       |
| 3                           |       | +localtree1                                                                                                                                                                                      |      |   |                       |
| 4                           |       | [ccd.ccch_con = '001'B]                                                                                                                                                                          |      |   |                       |
| 5                           |       | (TCV_bs_cc_chans := 1)                                                                                                                                                                           |      |   |                       |
| 6                           |       | +localtree1                                                                                                                                                                                      |      |   |                       |
| 7                           |       | [ccd.ccch_con = '010'B]                                                                                                                                                                          |      |   |                       |
| 8                           |       | (TCV_bs_cc_chans := 2)                                                                                                                                                                           |      |   |                       |
| 9                           |       | +localtree1                                                                                                                                                                                      |      |   |                       |
| 10                          |       | [ccd.ccch_con = '100'B]                                                                                                                                                                          |      |   |                       |
| 11                          |       | (TCV_bs_cc_chans := 3)                                                                                                                                                                           |      |   |                       |
| 12                          |       | +localtree1                                                                                                                                                                                      |      |   |                       |
| 13                          |       | [ccd.ccch_con = '110'B]                                                                                                                                                                          |      |   |                       |
| 14                          |       | (TCV_bs_cc_chans := 4)                                                                                                                                                                           |      |   |                       |
| 15                          |       | +localtree1                                                                                                                                                                                      |      |   |                       |
|                             |       | <b>localtree1</b>                                                                                                                                                                                |      |   |                       |
| 16                          |       | (TCV_bs_ag_blks_res := BIT_TO_INT(ccd.babr),<br>TCV_bs_pa_mfrms := (2 + BIT_TO_INT(ccd.bpm)))                                                                                                    |      |   |                       |
| 17                          |       | [ccd.ccch_con = '001'B]                                                                                                                                                                          |      |   | i.e. combined         |
| 18                          |       | [(TCV_bs_ag_blks_res < 0)<br>OR(TCV_bs_ag_blks_res > 2)]                                                                                                                                         |      | I | Stop! A tester error. |
| 19                          |       | [(TCV_bs_ag_blks_res >= 0) AND<br>(TCV_bs_ag_blks_res <= 2)]                                                                                                                                     |      |   |                       |
| 20                          |       | (TCV_tmp := 3 - TCV_bs_ag_blks_res)                                                                                                                                                              |      |   |                       |
| 21                          |       | +localtree2                                                                                                                                                                                      |      |   |                       |
| 22                          |       | [ccd.ccch_con <> '001'B]                                                                                                                                                                         |      |   | i.e. not combined     |
| 23                          |       | [(TCV_bs_ag_blks_res < 0)<br>OR(TCV_bs_ag_blks_res > 7)]                                                                                                                                         |      | I | Stop! A tester error. |
| 24                          |       | [(TCV_bs_ag_blks_res >= 0) AND<br>(TCV_bs_ag_blks_res <= 7)]                                                                                                                                     |      |   |                       |
| 25                          |       | (TCV_tmp := 9 - TCV_bs_ag_blks_res)                                                                                                                                                              |      |   |                       |
| 26                          |       | +localtree2                                                                                                                                                                                      |      |   | ini. TCV Pgg          |
|                             |       | <b>localtree2</b>                                                                                                                                                                                |      |   |                       |
| 27                          |       | (TCV_tmp := TCV_tmp * TCV_bs_pa_mfrms)                                                                                                                                                           |      |   |                       |
| 28                          |       | (TCV_Pgg := INT_TO_BIT((((OC_BCDtoInt(imsi, 3))<br>MOD(TCV_bs_cc_chans * TCV_tmp)) MOD<br>TCV_tmp), 8), TCV_Ccchg :=<br>((((OC_BCDtoInt(imsi, 3)) MOD(TCV_bs_cc_chans *<br>TCV_tmp)) / TCV_tmp)) |      |   |                       |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                  |      |   |                       |

| Test Step Dynamic Behaviour |       |                                                                                  |                                                                                           |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | CCEstablishMO_SDCCH4(ta:TA)                                                      |                                                                                           |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                   |                                                                                           |   |          |
| <b>Objective:</b>           |       | Establish a MO SDCCH/4 connection. This is used in CC testing                    |                                                                                           |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                  |                                                                                           |   |          |
| Nr                          | Label | Behaviour Description                                                            | CRef                                                                                      | V | Comments |
| 1                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn) | ChReq(ChRequest_1<br>9)                                                                   |   | 1.       |
| 2                           |       | L!DL_UdatRqImmass                                                                | ImmAss(C_AGCH_A<br>_1,<br>ImmAsgn_01Def(TCV<br>_Rr, TCV_Fn,<br>TCV_slot, TCV_tsc,<br>ta)) |   |          |
| <b>Detailed Comments:</b>   |       | 1. To assign a SDCCH/4.                                                          |                                                                                           |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                              |                         |   |                               |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---|-------------------------------|
| <b>Test Step Name:</b>      |       | CCEstablishMO_TCH(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                                        |                         |   |                               |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                                                                                                                               |                         |   |                               |
| <b>Objective:</b>           |       | Establish a MO TCH/F or TCH/H connection. This is used in CC testing                                                                                                                         |                         |   |                               |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                  |                         |   |                               |
| <b>Comments:</b>            |       | The calling tree shall prepare one variable for the step: TCV_ChRate for the type of the channel.<br>TCV_chTch contains the identifier for the traffic channel and TCV_cht the channel type. |                         |   |                               |
| Nr                          | Label | Behaviour Description                                                                                                                                                                        | CRef                    | V | Comments                      |
| 1                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                             | ChReq(ChRequest_1<br>9) |   | To match ChReq retrans.<br>1. |
| 2                           |       | ACTIVATE(OtherEvents_02)                                                                                                                                                                     |                         |   |                               |
| 3                           |       | +CImmAssignTCH(acttype, slot, tsc, ta, babr,<br>cch_con, bpm)                                                                                                                                |                         |   |                               |
| <b>Detailed Comments:</b>   |       | 1. To assign TCH/F or TCH/H.                                                                                                                                                                 |                         |   |                               |

| Test Step Dynamic Behaviour |       |                                                               |                                                                                           |   |                               |
|-----------------------------|-------|---------------------------------------------------------------|-------------------------------------------------------------------------------------------|---|-------------------------------|
| <b>Test Step Name:</b>      |       | CCEstablishMT_SDCCH4(ta:TA)                                   |                                                                                           |   |                               |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                |                                                                                           |   |                               |
| <b>Objective:</b>           |       | Establish a MT SDCCH/4 connection. This is used in CC testing |                                                                                           |   |                               |
| <b>Default:</b>             |       | OtherEvents                                                   |                                                                                           |   |                               |
| Nr                          | Label | Behaviour Description                                         | CRef                                                                                      | V | Comments                      |
| 1                           |       | +CCPage                                                       |                                                                                           |   | To match ChReq retrans.<br>1. |
| 2                           |       | ACTIVATE(OtherEvents_02)                                      |                                                                                           |   |                               |
| 3                           |       | LIDL_UdatRqImmass                                             | ImmAss(C_AGCH_A<br>_1,<br>ImmAsgn_01Def(TCV<br>_Rr, TCV_Fn,<br>TCV_slot, TCV_tsc,<br>ta)) |   |                               |
| 4                           |       | L?DL_EstInPgRes                                               | PagingRes(PagingRe<br>s_03)                                                               |   | Restore Normal default        |
| 5                           |       | ACTIVATE(OtherEvents)                                         |                                                                                           |   |                               |
| <b>Detailed Comments:</b>   |       | 1. To assign a SDCCH/4.                                       |                                                                                           |   |                               |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                           |                         |   |                                                             |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---|-------------------------------------------------------------|
| <b>Test Step Name:</b>      |       | CCEstablishMT_TCH(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                                     |                         |   |                                                             |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                                                                                                                            |                         |   |                                                             |
| <b>Objective:</b>           |       | Establish a MT TCH/F or TCH/H connection. This is used in CC testing                                                                                                                      |                         |   |                                                             |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                               |                         |   |                                                             |
| <b>Comments:</b>            |       | The calling tree shall prepare one variable for the step: TCV_ChRate for the type of the channel. TCV_chTch contains the identifier for the traffic channel and TCV_cht the channel type. |                         |   |                                                             |
| Nr                          | Label | Behaviour Description                                                                                                                                                                     | CRef                    | V | Comments                                                    |
| 1                           |       | +CCPage                                                                                                                                                                                   |                         |   | To match ChReq retrans.<br>1.<br><br>Restore Normal default |
| 2                           |       | ACTIVATE(OtherEvents_02)                                                                                                                                                                  |                         |   |                                                             |
| 3                           |       | +CCImmAssignTCH(acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                               |                         |   |                                                             |
| 4                           |       | L?DL_EstInPgRes                                                                                                                                                                           | PagingRes(PagingRes_01) |   |                                                             |
| 5                           |       | ACTIVATE(OtherEvents)                                                                                                                                                                     |                         |   |                                                             |
| <b>Detailed Comments:</b>   |       | 1. To assign TCH/F or TCH/H.                                                                                                                                                              |                         |   |                                                             |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                  |                    |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---|----------|
| <b>Test Step Name:</b>      |       | CC_EstMsTermCall                                                                                                                                                                                                                 |                    |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                                                                                                                                                                   |                    |   |          |
| <b>Objective:</b>           |       | To perform the CC message exchange to establish a mobile station terminating call with non hopping channel (speech or data call). (Similar to EstMsTermFullRateCallNonFH but without initial RRmtcallprepare)                    |                    |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                      |                    |   |          |
| <b>Comments:</b>            |       | used var's:<br>TCV_cellid, TCV_chdescr_arfcn, TCV_Bcap1, TCV_ch                                                                                                                                                                  |                    |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                            | CRef               | V | Comments |
| 1                           |       | L!DL_DatRqSetup                                                                                                                                                                                                                  | SetupRq_20(TCV_ch) |   | 1)       |
| 2                           |       | L?DL_DatInCallCo                                                                                                                                                                                                                 | CallCfm_20         |   |          |
| 3                           |       | L?DL_DatInConn                                                                                                                                                                                                                   | ConnRcv_01         |   |          |
| 4                           |       | +localtree                                                                                                                                                                                                                       |                    |   |          |
| 5                           |       | L?DL_DatInAlert                                                                                                                                                                                                                  | AlertRcv_01        |   |          |
| 6                           |       | (TCV_Null := OO_HookOff())                                                                                                                                                                                                       |                    |   |          |
| 7                           |       | L?DL_DatInConn                                                                                                                                                                                                                   | ConnRcv_01         |   |          |
| 8                           |       | +localtree                                                                                                                                                                                                                       |                    |   |          |
| 9                           |       | <b>localtree</b><br>(TCV_AssCmd := AsgnCmd_21(TCV_asscmd_ts, TCV_chdescr_arfcn))                                                                                                                                                 |                    |   |          |
| 10                          |       | +AssCh_complete(TCV_ch,TCV_chTch,TCV_AssCmd)                                                                                                                                                                                     |                    |   |          |
| 11                          |       | L!DL_DatRqConnAck                                                                                                                                                                                                                | ConnAck_20(TCV_ch) |   |          |
| <b>Detailed Comments:</b>   |       | 1. If the MS supports the bearer capabilities, which are give in Setup message, it has to accept them. Therefor, they are no bearer capabilites expected in Call Confirm message.<br>2. TCH/F with non hopping in selected cell. |                    |   |          |

| Test Step Dynamic Behaviour                                                                                                                                                                                                                                                                                                          |       |                                                                                                                             |                                                                            |   |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b> CCImmAssignTCH(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                                                                                                                                                            |       |                                                                                                                             |                                                                            |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/                                                                                                                                                                                                                                                                                         |       |                                                                                                                             |                                                                            |   |          |
| <b>Objective:</b> Send immediate assign command TCH/H or TCH/F depending on TCV_ChRate. This is used in CC testing.                                                                                                                                                                                                                  |       |                                                                                                                             |                                                                            |   |          |
| <b>Default:</b> OtherEvents_02                                                                                                                                                                                                                                                                                                       |       |                                                                                                                             |                                                                            |   |          |
| <b>Comments:</b> The calling tree shall prepare three variables for the step: TCV_ChRate for the type of the channel, TCV_Rr with the request reference from the channel request and TCV_Fn with the frame number of the channel request. TCV_chTch contains the identifier for the traffic channel and TCV_chtype the channel type. |       |                                                                                                                             |                                                                            |   |          |
| Nr                                                                                                                                                                                                                                                                                                                                   | Label | Behaviour Description                                                                                                       | CRef                                                                       | V | Comments |
| 1                                                                                                                                                                                                                                                                                                                                    |       | [TCV_ChRate = C_Full]                                                                                                       |                                                                            |   | 1.       |
| 2                                                                                                                                                                                                                                                                                                                                    |       | (TCV_chTch := C_FACCHF_A_1, TCV_sacchTch := C_SACCHF_A_1, TCV_chtype := '00001'B)                                           |                                                                            |   |          |
| 3                                                                                                                                                                                                                                                                                                                                    |       | +FullRateCh_A_1_im(acttype, slot, tsc, ta, babr, cch_con, bpm)                                                              |                                                                            |   |          |
| 4                                                                                                                                                                                                                                                                                                                                    |       | +localtree                                                                                                                  |                                                                            |   |          |
| 5                                                                                                                                                                                                                                                                                                                                    |       | [TCV_ChRate = C_Half]                                                                                                       |                                                                            |   | 2.       |
| 6                                                                                                                                                                                                                                                                                                                                    |       | (TCV_chTch := OC_SubchOfFacchh(TSPX_TCHHSubDef, C_CellA, 1), TCV_sacchTch := OC_SubchOfSacchh(TSPX_TCHHSubDef, C_CellA, 1)) |                                                                            |   |          |
| 7                                                                                                                                                                                                                                                                                                                                    |       | +HalfRateCh_A_1_im(acttype, slot, tsc, ta, babr, cch_con, bpm)                                                              |                                                                            |   |          |
| 8                                                                                                                                                                                                                                                                                                                                    |       | [TSPX_TCHHSubDef = '0'B]                                                                                                    |                                                                            |   |          |
| 9                                                                                                                                                                                                                                                                                                                                    |       | (TCV_chtype := '00010'B)                                                                                                    |                                                                            |   |          |
| 10                                                                                                                                                                                                                                                                                                                                   |       | +localtree                                                                                                                  |                                                                            |   |          |
| 11                                                                                                                                                                                                                                                                                                                                   |       | [TSPX_TCHHSubDef = '1'B]                                                                                                    |                                                                            |   |          |
| 12                                                                                                                                                                                                                                                                                                                                   |       | (TCV_chtype := '00011'B)                                                                                                    |                                                                            |   |          |
| 13                                                                                                                                                                                                                                                                                                                                   |       | +localtree                                                                                                                  |                                                                            |   |          |
| 14                                                                                                                                                                                                                                                                                                                                   |       | <b>localtree</b><br>L!DL_UdatRqlmmiss                                                                                       | ImmAss(C_AGCH_A_1, ImmAsgn_TCH(TCV_Rr, TCV_Fn, TCV_chtype, slot, tsc, ta)) |   | 3.       |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                            |       |                                                                                                                             |                                                                            |   |          |

| Test Step Dynamic Behaviour                                                                                                                                             |       |                                                 |                                                                             |   |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------|-----------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b> CCMModifyTCH(slot :SN; tsc:TSC)                                                                                                                  |       |                                                 |                                                                             |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/                                                                                                                            |       |                                                 |                                                                             |   |          |
| <b>Objective:</b> Send channel mode modify command and wait for successful completion. This is used for CC testing.                                                     |       |                                                 |                                                                             |   |          |
| <b>Default:</b> OtherEvents                                                                                                                                             |       |                                                 |                                                                             |   |          |
| <b>Comments:</b> The calling tree shall prepare two variables for the step: TCV_chtype for the type of the channel, TCV_ChMod with the channel mode IE for the channel. |       |                                                 |                                                                             |   |          |
| Nr                                                                                                                                                                      | Label | Behaviour Description                           | CRef                                                                        | V | Comments |
| 1                                                                                                                                                                       |       | (TCV_Null := OM_ChMdModi(TCV_chTch, TCV_ChMod)) |                                                                             |   |          |
| 2                                                                                                                                                                       |       | L!DL_DatRqChmmo                                 | ChmmoReqSnd(TCV_chTch, ChmomoReq_07(TCV_chtype, TCV_ChMod.mode, slot, tsc)) |   |          |
| 3                                                                                                                                                                       |       | L?DL_DatInChmmoAck                              | ChmmoAckRcv(TCV_chTch, ChmomoAck_08(TCV_chtype, TCV_ChMod.mode, slot, tsc)) |   |          |
| <b>Detailed Comments:</b>                                                                                                                                               |       |                                                 |                                                                             |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                    |                                        |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------|----------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | CCPage                                                                                             |                                        |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                                     |                                        |   |          |
| <b>Objective:</b>           |       | Send paging request and wait for channel request. This is used in CC testing.                      |                                        |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                        |                                        |   |          |
| <b>Comments:</b>            |       | TCV_Rr contains the request reference and TCV_Fn contains the frame number of the channel request. |                                        |   |          |
| Nr                          | Label | Behaviour Description                                                                              | CRef                                   | V | Comments |
| 1                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                     |                                        |   |          |
| 2                           |       | L!DL_UdatRqPg1Rq                                                                                   | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01) |   |          |
| 3                           |       | L?DL_RaclnChRq (TCV_Rr := DL_RaclnChRq.msg.ecau_rrf, TCV_Fn := DL_RaclnChRq.fn)                    | ChReq(ChRequest_01)                    |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                    |                                        |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                  |                           |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------|---------------------------|---|----------|
| <b>Test Step Name:</b>      |       | CCStartCipher(ch:LOGICCH)                                                                        |                           |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                                   |                           |   |          |
| <b>Objective:</b>           |       | Send cipher command and wait for successful completion. This is used in CC testing.              |                           |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                      |                           |   |          |
| <b>Comments:</b>            |       | The calling tree shall prepare one variable for the test step: TCV_CphKey for the ciphering key. |                           |   |          |
| Nr                          | Label | Behaviour Description                                                                            | CRef                      | V | Comments |
| 1                           |       | (TCV_Null := OM_CphMdChg(ch, CphMod_01, TCV_CphKey))                                             |                           |   |          |
| 2                           |       | L!DL_DatRqCphmCmd                                                                                | CphCmd(ch, CphModeCmd_01) |   |          |
| 3                           |       | L?DL_DatInCphmCom                                                                                | CphCom(CphModeCmp_02)     |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                  |                           |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                |                      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---|----------|
| <b>Test Step Name:</b>      |       | CCstatuschk_01(ch: LOGICCH; st:CCSTATE)                                                                                                                                        |                      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                                                                                                                 |                      |   |          |
| <b>Objective:</b>           |       | To check whether the MS under test is in the CC state `st` and cause = #30.                                                                                                    |                      |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                |                      |   |          |
| <b>Comments:</b>            |       | if the cause value is #30 and the CC state value is `st`, the preliminary verdict is pass. This is used in the case of transaction initiated by test system, the DCCH is `ch`. |                      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                          | CRef                 | V | Comments |
| 1                           |       | L!DL_DatRqCcstEnq                                                                                                                                                              | CCStEq_01(TI_02, ch) |   |          |
| 2                           |       | L?DL_DatInCcst                                                                                                                                                                 | CCSt_14(TI_01, st)   |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                |                      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                              |                                                                                 |   |          |    |
|-----------------------------|-------|----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---|----------|----|
| <b>Test Step Name:</b>      |       | CCstatuschk_02(ch: LOGICCH; st:CCSTATE; ti_orig, ti_dest: TI)                                |                                                                                 |   |          |    |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                               |                                                                                 |   |          |    |
| <b>Objective:</b>           |       | To check whether the MS under test is in the CC state `st` and cause = #30.                  |                                                                                 |   |          |    |
| <b>Default:</b>             |       | OtherEvents                                                                                  |                                                                                 |   |          |    |
| <b>Comments:</b>            |       | if the cause value is #30 and the CC state value is `st`, the preliminary verdict is pass.   |                                                                                 |   |          |    |
| Nr                          | Label | Behaviour Description                                                                        | CRef                                                                            | V | Comments |    |
| 1                           |       | L!DL_DatRqCcstEnq                                                                            | CCStatusEnqSnd(ch, CCStatusEq_01(ti_orig))<br>CCStatusRcv(CCStatus_01(ti_dest)) |   |          |    |
| 2                           |       | L?DL_DatInCcst (TCV_Cau := DL_DatInCcst.msg.cau, TCV_CCst := DL_DatInCcst.msg.cst)           |                                                                                 |   |          |    |
| 3                           |       | [(TCV_Cau.cau_class = '001'B) AND (TCV_Cau.cau_va = '1110'B)]                                |                                                                                 |   |          |    |
| 4                           |       | [TCV_CCst.csv = INT_TO_BIT(st, 6)]                                                           |                                                                                 |   |          | 1. |
| 5                           |       | [TCV_CCst.csv <> INT_TO_BIT(st, 6)]                                                          |                                                                                 |   | (I)      | 2. |
| 6                           |       | +PostMainLinkRel(ch)                                                                         |                                                                                 |   |          |    |
| 7                           |       | [(TCV_Cau.cau_class <> '001'B) OR(TCV_Cau.cau_va <> '1110'B)]                                |                                                                                 |   | (I)      | 3. |
| 8                           |       | +PostMainLinkRel(ch)                                                                         |                                                                                 |   |          |    |
| <b>Detailed Comments:</b>   |       | 1. Now in CC state 'st' and cause = #30.<br>2. Not in CC state 'st'.<br>3. Cause is not #30. |                                                                                 |   |          |    |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                              |                                               |   |          |  |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|---|----------|--|
| <b>Test Step Name:</b>      |       | CCstatuschk_03(st:CCSTATE; Ti:TI)                                                                                                                                                                                                            |                                               |   |          |  |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                                                                                                                                                                               |                                               |   |          |  |
| <b>Objective:</b>           |       | To check whether the MS under test is in the CC state `st` and cause = #30.                                                                                                                                                                  |                                               |   |          |  |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                              |                                               |   |          |  |
| <b>Comments:</b>            |       | if the cause value is #30 and the CC state value is `st`, the preliminary verdict is pass. This is used in the case of DCCH = SDCCH4 and transcaction initiated by the MS. The calling tree shall prepare the variable for the step: TCV_ch. |                                               |   |          |  |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                        | CRef                                          | V | Comments |  |
| 1                           |       | (TCV_TI1 := Ti, TCV_TI1.ti_f := '0'B)                                                                                                                                                                                                        | CCStEq_01(Ti, TCV_ch)<br>CCSt_14(TCV_TI1, st) |   |          |  |
| 2                           |       | L!DL_DatRqCcstEnq                                                                                                                                                                                                                            |                                               |   |          |  |
| 3                           |       | L?DL_DatInCcst                                                                                                                                                                                                                               |                                               |   | (P)      |  |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                              |                                               |   |          |  |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                           |                                                  |   |          |  |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---|----------|--|
| <b>Test Step Name:</b>      |       | CCstatuschk_04(st:CCSTATE; Ti:TI)                                                                                                                                                                                                         |                                                  |   |          |  |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                                                                                                                                                                            |                                                  |   |          |  |
| <b>Objective:</b>           |       | To check whether the MS under test is in the CC state `st` and cause = #30.                                                                                                                                                               |                                                  |   |          |  |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                           |                                                  |   |          |  |
| <b>Comments:</b>            |       | if the cause value is #30 and the CC state value is `st`, the preliminary verdict is pass. This is used in the case of DCCH = FACCH and transcaction initiated by the MS. The calling tree shall prepare variable TCV_chTch for the step. |                                                  |   |          |  |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                     | CRef                                             | V | Comments |  |
| 1                           |       | (TCV_TI1 := Ti, TCV_TI1.ti_f := '0'B)                                                                                                                                                                                                     | CCStEq_01(Ti, TCV_chTch)<br>CCSt_14(TCV_TI1, st) |   |          |  |
| 2                           |       | L!DL_DatRqCcstEnq                                                                                                                                                                                                                         |                                                  |   |          |  |
| 3                           |       | L?DL_DatInCcst                                                                                                                                                                                                                            |                                                  |   | (P)      |  |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                           |                                                  |   |          |  |

| Test Step Dynamic Behaviour |       |                                                                                            |                                           |     |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------|-------------------------------------------|-----|----------|
| <b>Test Step Name:</b>      |       | CCstatuschk_05(st:CCSTATE; ti:TI; ch: LOGICCH)                                             |                                           |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                             |                                           |     |          |
| <b>Objective:</b>           |       | To check whether the MS under test is in the CC state `st` and cause = #30.                |                                           |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                            |                                           |     |          |
| <b>Comments:</b>            |       | if the cause value is #30 and the CC state value is `st`, the preliminary verdict is pass. |                                           |     |          |
| Nr                          | Label | Behaviour Description                                                                      | CRef                                      | V   | Comments |
| 1                           |       | (TCV_TI1.ti_v := ti.ti_v)                                                                  |                                           |     |          |
| 2                           |       | [ti.ti_f = '0'B]                                                                           |                                           |     |          |
| 3                           |       | (TCV_TI1.ti_f := '1'B)                                                                     |                                           |     |          |
| 4                           |       | +localtree                                                                                 |                                           |     |          |
| 5                           |       | [ti.ti_f = '1'B]                                                                           |                                           |     |          |
| 6                           |       | (TCV_TI1.ti_f := '0'B)                                                                     |                                           |     |          |
| 7                           |       | +localtree                                                                                 |                                           |     |          |
|                             |       | <b>localtree</b>                                                                           |                                           |     |          |
| 8                           |       | L!DL_DatRqCstEnq                                                                           | CCStatusEnqSnd(ch,<br>CCStatusEq_01(ti))  |     |          |
| 9                           |       | L?DL_DatInCst                                                                              | CCStatusRcv(CCStat<br>us_14(TCV_TI1, st)) | (P) |          |
| <b>Detailed Comments:</b>   |       |                                                                                            |                                           |     |          |

| Test Step Dynamic Behaviour |       |                                                                                            |                                                   |     |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------|---------------------------------------------------|-----|----------|
| <b>Test Step Name:</b>      |       | CheckTlInStateU0(mo: BOOLEAN; ch: LOGICCH)                                                 |                                                   |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                             |                                                   |     |          |
| <b>Objective:</b>           |       | Check that all MO or MT CC entities in the MS are in state U0. This is used in CC testing. |                                                   |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                            |                                                   |     |          |
| Nr                          | Label | Behaviour Description                                                                      | CRef                                              | V   | Comments |
| 1                           |       | [mo]                                                                                       |                                                   |     |          |
| 2                           |       | (TCV_TI1.ti_f := '1'B, TCV_TI2.ti_f := '0'B)                                               |                                                   |     |          |
| 3                           |       | +localtree1                                                                                |                                                   |     |          |
| 4                           |       | [NOT mo]                                                                                   |                                                   |     |          |
| 5                           |       | (TCV_TI1.ti_f := '0'B, TCV_TI2.ti_f := '1'B)                                               |                                                   |     |          |
| 6                           |       | +localtree1                                                                                |                                                   |     |          |
|                             |       | <b>localtree1</b>                                                                          |                                                   |     |          |
| 7                           |       | (TCV_Cnt := 0)                                                                             |                                                   |     |          |
| 8                           |       | REPEAT localtree2 UNTIL [TCV_Cnt = 7]                                                      |                                                   |     |          |
|                             |       | <b>localtree2</b>                                                                          |                                                   |     |          |
| 9                           |       | (TCV_TI1.ti_v := INT_TO_BIT(TCV_Cnt, 3),<br>TCV_TI2.ti_v := INT_TO_BIT(TCV_Cnt, 3))        |                                                   |     |          |
| 10                          |       | L!DL_DatRqCstEnq                                                                           | CCStatusEnqSnd(ch,<br>CCStatusEq_01(TCV<br>_TI1)) |     |          |
| 11                          |       | L?DL_DatInRelCmp                                                                           | RelComRcv(Release<br>Cmp_01(TCV_TI2))             | (P) | 2.       |
| 12                          |       | (TCV_Cnt := TCV_Cnt + 1)                                                                   |                                                   |     |          |
| <b>Detailed Comments:</b>   |       |                                                                                            |                                                   |     |          |



| Test Step Dynamic Behaviour |       |                                                          |               |     |          |
|-----------------------------|-------|----------------------------------------------------------|---------------|-----|----------|
| <b>Test Step Name:</b>      |       | Ciphering_off(ch: LOGICCH)                               |               |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                           |               |     |          |
| <b>Objective:</b>           |       |                                                          |               |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                          |               |     |          |
| Nr                          | Label | Behaviour Description                                    | CRef          | V   | Comments |
| 1                           |       | (TCV_Null := OM_CphMdChg(TCV_ch, CphMod_02, TCV_CphKey)) |               |     |          |
| 2                           |       | L!DL_DatRqCphmCmd                                        | CphCmd_02(ch) |     |          |
| 3                           |       | L?DL_DatInCphmCom                                        | CphCmp_01     | (P) |          |
| <b>Detailed Comments:</b>   |       |                                                          |               |     |          |

| Test Step Dynamic Behaviour |       |                                |               |     |          |
|-----------------------------|-------|--------------------------------|---------------|-----|----------|
| <b>Test Step Name:</b>      |       | Ciphering_off2(ch: LOGICCH)    |               |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/ |               |     |          |
| <b>Objective:</b>           |       |                                |               |     |          |
| <b>Default:</b>             |       | OtherEventsFail                |               |     |          |
| Nr                          | Label | Behaviour Description          | CRef          | V   | Comments |
| 1                           |       | L!DL_DatRqCphmCmd              | CphCmd_02(ch) |     |          |
| 2                           |       | L?DL_DatInCphmCom              | CphCmp_01     | (P) |          |
| <b>Detailed Comments:</b>   |       |                                |               |     |          |

| Test Step Dynamic Behaviour |       |                                                          |               |     |          |
|-----------------------------|-------|----------------------------------------------------------|---------------|-----|----------|
| <b>Test Step Name:</b>      |       | Ciphering_on(ch: LOGICCH)                                |               |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                           |               |     |          |
| <b>Objective:</b>           |       |                                                          |               |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                          |               |     |          |
| Nr                          | Label | Behaviour Description                                    | CRef          | V   | Comments |
| 1                           |       | (TCV_Null := OM_CphMdChg(TCV_ch, CphMod_01, TCV_CphKey)) |               |     |          |
| 2                           |       | L!DL_DatRqCphmCmd                                        | CphCmd_01(ch) |     |          |
| 3                           |       | L?DL_DatInCphmCom                                        | CphCmp_01     | (P) |          |
| <b>Detailed Comments:</b>   |       |                                                          |               |     |          |

| Test Step Dynamic Behaviour |       |                                                          |      |   |          |
|-----------------------------|-------|----------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Compute_ti                                               |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                           |      |   |          |
| <b>Objective:</b>           |       |                                                          |      |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                          |      |   |          |
| Nr                          | Label | Behaviour Description                                    | CRef | V | Comments |
| 1                           |       | (TCV_ti_dest.ti_v := TCV_ti_v, TCV_ti_dest.ti_f := '1'B) |      |   | 1.       |
| 2                           |       | (TCV_ti_orig.ti_f := '0'B, TCV_ti_orig.ti_v := TCV_ti_v) |      |   | 2.       |
| <b>Detailed Comments:</b>   |       |                                                          |      |   |          |
|                             |       | 1. (TCV_ti_dest := TCV_ti_v AND '1111'B)                 |      |   |          |
|                             |       | 2. (TCV_ti_orig := TCV_ti_v AND '0111'B)                 |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                        |                                          |   |          |
|-----------------------------|-------|------------------------------------------------------------------------|------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | DTMFSignalling(n: INTEGER; ti_ms: TI; ti_ss: TI; ch: LOGICCH)          |                                          |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                         |                                          |   |          |
| <b>Objective:</b>           |       |                                                                        |                                          |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                        |                                          |   |          |
| Nr                          | Label | Behaviour Description                                                  | CRef                                     | V | Comments |
| 1                           |       | (TCV_Cnt:=0)                                                           |                                          |   |          |
| 2                           |       | REPEAT localtree UNTIL [TCV_Cnt=n]                                     |                                          |   |          |
|                             |       | <b>localtree</b>                                                       |                                          |   |          |
| 3                           |       | L?DL_DatInStartDtmf(TCV_Char :=<br>DL_DatInStartDtmf.msg.kpf.kpf_info) | StartDTMF_02(ti_ms)                      |   |          |
| 4                           |       | L!DL_DatRqStartDtmfAck                                                 | StartDTMFAck_01(ti_<br>ss, TCV_Char, ch) |   |          |
| 5                           |       | L?DL_DatInStopDtmf                                                     | StopDTMF_01(ti_ms)                       |   |          |
| 6                           |       | L!DL_DatRqStopDtmfAck                                                  | StopDTMFAck_01(ti_<br>ss, ch)            |   |          |
| 7                           |       | (TCV_Cnt:=TCV_Cnt+1)                                                   |                                          |   |          |
| <b>Detailed Comments:</b>   |       |                                                                        |                                          |   |          |

| Test Step Dynamic Behaviour |       |                                             |                                             |     |          |
|-----------------------------|-------|---------------------------------------------|---------------------------------------------|-----|----------|
| <b>Test Step Name:</b>      |       | IdentityRequest(par_int:INTEGER; par_mi:MI) |                                             |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/              |                                             |     |          |
| <b>Objective:</b>           |       |                                             |                                             |     |          |
| <b>Default:</b>             |       | OtherEventsFail                             |                                             |     |          |
| Nr                          | Label | Behaviour Description                       | CRef                                        | V   | Comments |
| 1                           |       | +ltree_idrequest                            |                                             |     |          |
| 2                           |       | L?DL_DatInIdRes                             | IDRes_30(par_mi)                            | (P) |          |
|                             |       | <b>ltree_idrequest</b>                      |                                             |     |          |
| 3                           |       | [par_int=C_IMSI]                            |                                             |     |          |
| 4                           |       | L!DL_DatRqIdRq                              | IDReq(TCV_ch,<br>IDRequest_01('0001'<br>B)) |     | IMSI.    |
| 5                           |       | [par_int=C_TMSI]                            |                                             |     |          |
| 6                           |       | L!DL_DatRqIdRq                              | IDReq(TCV_ch,<br>IDRequest_01('0100'<br>B)) |     | TMSI.    |
| 7                           |       | [par_int=C_IMEI]                            |                                             |     |          |
| 8                           |       | L!DL_DatRqIdRq                              | IDReq(TCV_ch,<br>IDRequest_01('0010'<br>B)) |     | IMEI.    |
| 9                           |       | [par_int=C_IMEISV]                          |                                             |     |          |
| 10                          |       | L!DL_DatRqIdRq                              | IDReq(TCV_ch,<br>IDRequest_01('0011'<br>B)) |     | IMSESV.  |
| <b>Detailed Comments:</b>   |       |                                             |                                             |     |          |

| Test Step Dynamic Behaviour |       |                                                                                   |                                                               |     |                         |
|-----------------------------|-------|-----------------------------------------------------------------------------------|---------------------------------------------------------------|-----|-------------------------|
| <b>Test Step Name:</b>      |       | ImsiDetach(par_mi:MI; ch: LOGICCH; ta:TA)                                         |                                                               |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                    |                                                               |     |                         |
| <b>Objective:</b>           |       |                                                                                   |                                                               |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                   |                                                               |     |                         |
| Nr                          | Label | Behaviour Description                                                             | CRef                                                          | V   | Comments                |
| 1                           |       | [(TSPC_SIMRmv = TRUE) AND<br>(TSPC_DetachOnSIMRmv=TRUE)]                          |                                                               |     |                         |
| 2                           |       | +ltree_imsidetach(par_mi)                                                         |                                                               |     |                         |
| 3                           |       | [TSPC_SIMRmv = FALSE]                                                             |                                                               |     |                         |
| 4                           |       | [TSPC_DetachOnPwrDn=TRUE]                                                         |                                                               |     |                         |
| 5                           |       | +ltree_imsidetach(par_mi)                                                         |                                                               |     |                         |
|                             |       | <b>ltree_imsidetach(ltree_par:MI)</b>                                             |                                                               |     |                         |
| 6                           |       | +SwitchoffOrPowerdown                                                             |                                                               |     |                         |
| 7                           |       | L?DL_RaInChRq ( TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn) | ChReq_01                                                      |     |                         |
| 8                           |       | ACTIVATE(OtherEventsFail_02)                                                      |                                                               |     | To match ChReq retrans. |
| 9                           |       | LIDL_UdatRqImmass                                                                 | ImmAss_26(TCV_Rr,<br>TCV_Fn, ch,<br>TCV_slot, TCV_tsc,<br>ta) |     |                         |
| 10                          |       | L?DL_EstInImsidIn                                                                 | ImsiDet_30(par_mi)                                            | (P) | IMSI                    |
| 11                          |       | ACTIVATE(OtherEventsFail)                                                         |                                                               |     | Restore Normal default  |
| 12                          |       | +ChanRel(TCV_ch)                                                                  |                                                               |     |                         |
| <b>Detailed Comments:</b>   |       |                                                                                   |                                                               |     |                         |

| Test Step Dynamic Behaviour |       |                                                                                  |                                                                                   |     |                         |
|-----------------------------|-------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Step Name:</b>      |       | ImsiAttach(par_mi:MI; ta:TA)                                                     |                                                                                   |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                   |                                                                                   |     |                         |
| <b>Objective:</b>           |       |                                                                                  |                                                                                   |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                  |                                                                                   |     |                         |
| Nr                          | Label | Behaviour Description                                                            | CRef                                                                              | V   | Comments                |
| 1                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn) | ChReq_09                                                                          |     |                         |
| 2                           |       | ACTIVATE(OtherEventsFail_02)                                                     |                                                                                   |     | To match ChReq retrans. |
| 3                           |       | LIDL_UdatRqImmass                                                                | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>ta) |     |                         |
| 4                           |       | L?DL_EstInLupRq                                                                  | LocUp_34(par_mi,<br>TCV_ch, TCV_lac,<br>TCV_cksn)                                 | (P) |                         |
| 5                           |       | ACTIVATE(OtherEventsFail)                                                        |                                                                                   |     | Restore Normal default  |
| 6                           |       | LIDL_DatRqLupAcp                                                                 | LocAcp_02(TCV_ch)                                                                 |     | No MI                   |
| 7                           |       | +ChanRel(TCV_ch)                                                                 |                                                                                   |     |                         |
| <b>Detailed Comments:</b>   |       |                                                                                  |                                                                                   |     |                         |

| Test Step Dynamic Behaviour                                               |       |                                                                                                                                                    |      |   |          |
|---------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>                                                    |       | InCallModi1(srv:MOSEVICES)                                                                                                                         |      |   |          |
| <b>Group:</b>                                                             |       | GSM_L3_MS_v4160/Miscellaneous/                                                                                                                     |      |   |          |
| <b>Objective:</b>                                                         |       | MMI action to initiate in-call modification to the basic service specified.                                                                        |      |   |          |
| <b>Default:</b>                                                           |       | OtherEvents                                                                                                                                        |      |   |          |
| <b>Comments:</b>                                                          |       | TCV_Setup_mo, TCV_CallProc have been initialised by the calling tree.                                                                              |      |   |          |
| Nr                                                                        | Label | Behaviour Description                                                                                                                              | CRef | V | Comments |
| 1                                                                         |       | (TCV_Res := OO_InCallModi(srv), TCV_Bcap2 :=<br>OC_Bcap(TCV_Setup_mo, TCV_CallProc, 2),<br>TCV_Bcap1 := OC_Bcap(TCV_Setup_mo,<br>TCV_CallProc, 1)) |      |   | 1.       |
| <b>Detailed Comments:</b> 1. MMI action to initiate in-call modification. |       |                                                                                                                                                    |      |   |          |

| Test Step Dynamic Behaviour |       |                                     |      |   |          |
|-----------------------------|-------|-------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | LowerLayerFailure(ch:LOGICCH)       |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/      |      |   |          |
| <b>Objective:</b>           |       | To force the lower layer failure.   |      |   |          |
| <b>Default:</b>             |       | OtherEventsFail                     |      |   |          |
| Nr                          | Label | Behaviour Description               | CRef | V | Comments |
| 1                           |       | (TCV_Null := OM_LowerLayerFail(ch)) |      |   |          |
| <b>Detailed Comments:</b>   |       |                                     |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                  |                                                                                   |     |                         |
|-----------------------------|-------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Step Name:</b>      |       | MM_LUP(newmi:MI; lac:OCTETSTRING; ta:TA)                                         |                                                                                   |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                   |                                                                                   |     |                         |
| <b>Objective:</b>           |       | OtherEventsFail                                                                  |                                                                                   |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                  |                                                                                   |     |                         |
| Nr                          | Label | Behaviour Description                                                            | CRef                                                                              | V   | Comments                |
| 1                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn) | ChReq_09                                                                          |     | To match ChReq retrans. |
| 2                           |       | ACTIVATE(OtherEventsFail_02)                                                     |                                                                                   |     |                         |
| 3                           |       | LIDL_UdatRqImmss                                                                 | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>ta) |     |                         |
| 4                           |       | L?DL_EstInLupRq                                                                  | LocUp_07(TCV_ch)                                                                  |     | Restore Normal default  |
| 5                           |       | ACTIVATE(OtherEventsFail)                                                        |                                                                                   |     |                         |
| 6                           |       | LIDL_DatRqLupAcp                                                                 | LocAcp_30(newmi,<br>TCV_ch, lac)                                                  |     |                         |
| 7                           |       | L?DL_DatInTmsireCom                                                              | TmsiReallocCmp_02(<br>TCV_ch)                                                     | (P) |                         |
| 8                           |       | +ChanRel(TCV_ch)                                                                 |                                                                                   |     |                         |
| <b>Detailed Comments:</b>   |       |                                                                                  |                                                                                   |     |                         |

| Test Step Dynamic Behaviour |       |                                                                                  |                                                                                   |     |                         |
|-----------------------------|-------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Step Name:</b>      |       | MM_LUP2(newmi:MI; lup_mi:MI; oldlac, newlac:OCTETSTRING; ta:TA)                  |                                                                                   |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                   |                                                                                   |     |                         |
| <b>Objective:</b>           |       | OtherEventsFail                                                                  |                                                                                   |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                  |                                                                                   |     |                         |
| Nr                          | Label | Behaviour Description                                                            | CRef                                                                              | V   | Comments                |
| 1                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn) | ChReq_09                                                                          |     | To match ChReq retrans. |
| 2                           |       | ACTIVATE(OtherEventsFail_02)                                                     |                                                                                   |     |                         |
| 3                           |       | LIDL_UdatRqImmss                                                                 | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>ta) |     |                         |
| 4                           |       | L?DL_EstInLupRq                                                                  | LocUp_30(lup_mi,TC<br>V_ch, oldlac,<br>TCV_cks)                                   |     | Restore Normal default  |
| 5                           |       | ACTIVATE(OtherEventsFail)                                                        |                                                                                   |     |                         |
| 6                           |       | LIDL_DatRqLupAcp                                                                 | LocAcp_30(newmi,<br>TCV_ch, newlac)                                               |     |                         |
| 7                           |       | L?DL_DatInTmsireCom                                                              | TmsiReallocCmp_02(<br>TCV_ch)                                                     | (P) |                         |
| 8                           |       | +ChanRel(TCV_ch)                                                                 |                                                                                   |     |                         |
| <b>Detailed Comments:</b>   |       |                                                                                  |                                                                                   |     |                         |

| Test Step Dynamic Behaviour                                  |       |                                                                                  |                                                                                   |     |                                      |
|--------------------------------------------------------------|-------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----|--------------------------------------|
| <b>Test Step Name:</b> MM_LUP3(mnc, lac: OCTETSTRING; ta:TA) |       |                                                                                  |                                                                                   |     |                                      |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/                 |       |                                                                                  |                                                                                   |     |                                      |
| <b>Objective:</b>                                            |       |                                                                                  |                                                                                   |     |                                      |
| <b>Default:</b> OtherEventsFail                              |       |                                                                                  |                                                                                   |     |                                      |
| Nr                                                           | Label | Behaviour Description                                                            | CRef                                                                              | V   | Comments                             |
| 1                                                            |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn) | ChReq_09                                                                          |     | To match ChReq retrans.              |
| 2                                                            |       | ACTIVATE(OtherEventsFail_02)                                                     |                                                                                   |     |                                      |
| 3                                                            |       | LIDL_UdatRqImmss                                                                 | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>ta) |     |                                      |
| 4                                                            |       | L?DL_EstInLupRq                                                                  | LocUp_02                                                                          |     | Restore Normal default<br>without MI |
| 5                                                            |       | ACTIVATE(OtherEventsFail)                                                        |                                                                                   |     |                                      |
| 6                                                            |       | L!DL_DatRqLupAcp                                                                 | LocAcp(TCV_ch,<br>mnc, lac)                                                       | (P) |                                      |
| 7                                                            |       | +ChanRel(TCV_ch)                                                                 |                                                                                   |     |                                      |
| <b>Detailed Comments:</b>                                    |       |                                                                                  |                                                                                   |     |                                      |

| Test Step Dynamic Behaviour                                                              |       |                                                                                  |                                                                                   |     |                         |
|------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Step Name:</b> MM_LUPauth1(newtmsi: MI; lac:OCTETSTRING; cksn: BITSTRING; ta:TA) |       |                                                                                  |                                                                                   |     |                         |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/                                             |       |                                                                                  |                                                                                   |     |                         |
| <b>Objective:</b>                                                                        |       |                                                                                  |                                                                                   |     |                         |
| <b>Default:</b> OtherEventsFail                                                          |       |                                                                                  |                                                                                   |     |                         |
| Nr                                                                                       | Label | Behaviour Description                                                            | CRef                                                                              | V   | Comments                |
| 1                                                                                        |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn) | ChReq_09                                                                          |     | To match ChReq retrans. |
| 2                                                                                        |       | ACTIVATE(OtherEventsFail_02)                                                     |                                                                                   |     |                         |
| 3                                                                                        |       | LIDL_UdatRqImmss                                                                 | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>ta) |     |                         |
| 4                                                                                        |       | L?DL_EstInLupRq                                                                  | LocUp_01                                                                          |     | Restore Normal default  |
| 5                                                                                        |       | ACTIVATE(OtherEventsFail)                                                        |                                                                                   |     |                         |
| 6                                                                                        |       | +Authentication(TCV_ch, cksn)                                                    |                                                                                   |     |                         |
| 7                                                                                        |       | L!DL_DatRqLupAcp                                                                 | LocAcp_30(newtmsi,<br>TCV_ch, lac)                                                |     |                         |
| 8                                                                                        |       | L?DL_DatInTmsireCom                                                              | TmsiReallocCmp_02(<br>TCV_ch)                                                     | (P) |                         |
| <b>Detailed Comments:</b>                                                                |       |                                                                                  |                                                                                   |     |                         |

| Test Step Dynamic Behaviour |       |                                                                                                       |                                                                                   |     |                         |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Step Name:</b>      |       | MM_LUPauth2(newtmsi: MI; lup_mi:MI; old_lac, new_lac:OCTETSTRING; old_cks, new_cks: BITSTRING; ta:TA) |                                                                                   |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                                        |                                                                                   |     |                         |
| <b>Objective:</b>           |       | OtherEventsFail                                                                                       |                                                                                   |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                       |                                                                                   |     |                         |
| Nr                          | Label | Behaviour Description                                                                                 | CRef                                                                              | V   | Comments                |
| 1                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                      | ChReq_09                                                                          |     | To match ChReq retrans. |
| 2                           |       | ACTIVATE(OtherEventsFail_02)                                                                          |                                                                                   |     |                         |
| 3                           |       | LIDL_UdatRqImmss                                                                                      | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>ta) |     |                         |
| 4                           |       | L?DL_EstInLupRq                                                                                       | LocUp_30(lup_mi,<br>TCV_ch, old_lac,<br>old_cks)                                  |     | Restore Normal default  |
| 5                           |       | ACTIVATE(OtherEventsFail)                                                                             |                                                                                   |     |                         |
| 6                           |       | +Authentication(TCV_ch, new_cks)                                                                      |                                                                                   |     |                         |
| 7                           |       | LIDL_DatRqLupAcp                                                                                      | LocAcp_30(newtmsi,<br>TCV_ch, new_lac)                                            |     |                         |
| 8                           |       | L?DL_DatInTmsireCom                                                                                   | TmsiReallocCmp_02(<br>TCV_ch)                                                     | (P) |                         |
| <b>Detailed Comments:</b>   |       |                                                                                                       |                                                                                   |     |                         |

| Test Step Dynamic Behaviour |       |                                                                                  |                                                                                   |     |                         |
|-----------------------------|-------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Step Name:</b>      |       | MM_LUP_imsi(newmi:MI; lup_mi:MI; lac:OCTETSTRING; ta:TA)                         |                                                                                   |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                   |                                                                                   |     |                         |
| <b>Objective:</b>           |       | OtherEventsFail                                                                  |                                                                                   |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                  |                                                                                   |     |                         |
| Nr                          | Label | Behaviour Description                                                            | CRef                                                                              | V   | Comments                |
| 1                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn) | ChReq_09                                                                          |     | To match ChReq retrans. |
| 2                           |       | ACTIVATE(OtherEventsFail_02)                                                     |                                                                                   |     |                         |
| 3                           |       | LIDL_UdatRqImmss                                                                 | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>ta) |     |                         |
| 4                           |       | L?DL_EstInLupRq                                                                  | LocUp_30(lup_mi,<br>TCV_ch, lac,<br>TCV_cks)                                      |     | Restore Normal default  |
| 5                           |       | ACTIVATE(OtherEventsFail)                                                        |                                                                                   |     |                         |
| 6                           |       | LIDL_DatRqLupAcp                                                                 | LocAcp_30(newmi,<br>TCV_ch, lac)                                                  | (P) |                         |
| <b>Detailed Comments:</b>   |       |                                                                                  |                                                                                   |     |                         |

| Test Step Dynamic Behaviour                                                                                                                                                                       |       |                                                                                                                              |                                                                                   |     |                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Step Name:</b> MM_LUP_imsi1(lup_mi:MI; lac:OCTETSTRING; newlac:OCTETSTRING; ta:TA)                                                                                                        |       |                                                                                                                              |                                                                                   |     |                         |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/                                                                                                                                                      |       |                                                                                                                              |                                                                                   |     |                         |
| <b>Objective:</b>                                                                                                                                                                                 |       |                                                                                                                              |                                                                                   |     |                         |
| <b>Default:</b> OtherEventsFail                                                                                                                                                                   |       |                                                                                                                              |                                                                                   |     |                         |
| Nr                                                                                                                                                                                                | Label | Behaviour Description                                                                                                        | CRef                                                                              | V   | Comments                |
| 1                                                                                                                                                                                                 |       | START T_dly(6000)                                                                                                            |                                                                                   |     |                         |
| 2                                                                                                                                                                                                 |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn1 := DL_RaInChRq.fn)<br>READTIMER T_dly(TCV_Time), CANCEL T_dly | ChReq_09                                                                          |     |                         |
| 3                                                                                                                                                                                                 |       | ACTIVATE(OtherEventsFail_02)                                                                                                 |                                                                                   |     | To match ChReq retrans. |
| 4                                                                                                                                                                                                 |       | LIDL_UdatRqImmss                                                                                                             | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>ta) |     |                         |
| 5                                                                                                                                                                                                 |       | L?DL_EstInLupRq                                                                                                              | LocUp_30(lup_mi,<br>TCV_ch, lac,<br>TCV_cksn)                                     |     |                         |
| 6                                                                                                                                                                                                 |       | ACTIVATE(OtherEventsFail)                                                                                                    |                                                                                   |     | Restore Normal default  |
| 7                                                                                                                                                                                                 |       | L!DL_DatRqLupAcp                                                                                                             | LocAcp_34(TCV_ch,<br>newlac)                                                      | (P) |                         |
| 8                                                                                                                                                                                                 |       | [TCV_Time <= 5000]                                                                                                           |                                                                                   | (P) | 1)                      |
| 9                                                                                                                                                                                                 |       | [TCV_Time > 5000]                                                                                                            |                                                                                   | (F) | 4+0s to 4+5 s           |
| 10                                                                                                                                                                                                |       | ?TIMEOUT T_dly                                                                                                               |                                                                                   | (F) |                         |
| <b>Detailed Comments:</b> 1) The time difference between the channel request in the test step and the last channel request in the ltree_ra of TC_26_7_4_3_1 shall be in the range of 4-9 seconds. |       |                                                                                                                              |                                                                                   |     |                         |

| Test Step Dynamic Behaviour                                                                                                                  |       |                                                                                  |                                                                                   |   |                         |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---|-------------------------|
| <b>Test Step Name:</b> MM_LUP_tmsirealloc(newtmsi:MI; expectedlup_mi:MI; lup_lac: OCTETSTRING; lac: OCTETSTRING; lup_cksn: BITSTRING; ta:TA) |       |                                                                                  |                                                                                   |   |                         |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/                                                                                                 |       |                                                                                  |                                                                                   |   |                         |
| <b>Objective:</b>                                                                                                                            |       |                                                                                  |                                                                                   |   |                         |
| <b>Default:</b> OtherEventsFail                                                                                                              |       |                                                                                  |                                                                                   |   |                         |
| Nr                                                                                                                                           | Label | Behaviour Description                                                            | CRef                                                                              | V | Comments                |
| 1                                                                                                                                            |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn) | ChReq_09                                                                          |   |                         |
| 2                                                                                                                                            |       | ACTIVATE(OtherEventsFail_02)                                                     |                                                                                   |   | To match ChReq retrans. |
| 3                                                                                                                                            |       | LIDL_UdatRqImmss                                                                 | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>ta) |   |                         |
| 4                                                                                                                                            |       | L?DL_EstInLupRq                                                                  | LocUp_30(expectedlu<br>p_mi, TCV_ch,<br>lup_lac, lup_cksn)                        |   |                         |
| 5                                                                                                                                            |       | ACTIVATE(OtherEventsFail)                                                        |                                                                                   |   | Restore Normal default  |
| 6                                                                                                                                            |       | +TmsiReallocation(newtmsi, lac)                                                  |                                                                                   |   |                         |
| 7                                                                                                                                            |       | L!DL_DatRqLupAcp                                                                 | LocAcp_35(TCV_ch,<br>lac)                                                         |   |                         |
| <b>Detailed Comments:</b>                                                                                                                    |       |                                                                                  |                                                                                   |   |                         |

| Test Step Dynamic Behaviour |       |                                                                                  |                                                                                   |     |                         |
|-----------------------------|-------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Step Name:</b>      |       | MM_LUPper(lac: OCTETSTRING; ta:TA)                                               |                                                                                   |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                   |                                                                                   |     |                         |
| <b>Objective:</b>           |       |                                                                                  |                                                                                   |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                  |                                                                                   |     |                         |
| Nr                          | Label | Behaviour Description                                                            | CRef                                                                              | V   | Comments                |
| 1                           |       | START T_dly(C_T_T3212min)                                                        |                                                                                   |     |                         |
| 2                           |       | ?TIMEOUT T_dly                                                                   |                                                                                   | (P) |                         |
| 3                           |       | START T_dly( C_T_T3212dif*2)                                                     |                                                                                   |     |                         |
| 4                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn) | ChReq_09                                                                          |     |                         |
| 5                           |       | ACTIVATE(OtherEventsFail_02)                                                     |                                                                                   |     | To match ChReq retrans. |
| 6                           |       | CANCEL T_dly                                                                     |                                                                                   |     |                         |
| 7                           |       | L!DL_UdatRqImmss                                                                 | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>ta) |     |                         |
| 8                           |       | L?DL_EstInLupRq                                                                  | LocUp_03                                                                          |     | periodic LUP            |
| 9                           |       | ACTIVATE(OtherEventsFail)                                                        |                                                                                   |     | Restore Normal default  |
| 10                          |       | L!DL_DatRqLupAcp                                                                 | LocAcp_31(TCV_ch,<br>lac)                                                         | (P) | no MI                   |
| 11                          |       | ?TIMEOUT T_dly                                                                   |                                                                                   | (F) |                         |
| 12                          |       | L!DL_DatRqChRel                                                                  | ChRel_20(TCV_ch)                                                                  |     |                         |
| 13                          |       | L?DL_RelIn                                                                       | DLRelInd_01                                                                       |     |                         |
| <b>Detailed Comments:</b>   |       |                                                                                  |                                                                                   |     |                         |

| Test Step Dynamic Behaviour |       |                                                                                  |                                                                                   |     |                                   |
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| <b>Test Step Name:</b>      |       | MM_LUPper2(par_timetol:INTEGER; mnc, lac:OCTETSTRING; ta:TA)                     |                                                                                   |     |                                   |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                   |                                                                                   |     |                                   |
| <b>Objective:</b>           |       |                                                                                  |                                                                                   |     |                                   |
| <b>Default:</b>             |       | OtherEventsFail                                                                  |                                                                                   |     |                                   |
| Nr                          | Label | Behaviour Description                                                            | CRef                                                                              | V   | Comments                          |
| 1                           |       | START T_dly(par_timetol)                                                         |                                                                                   |     |                                   |
| 2                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn) | ChReq_09                                                                          |     |                                   |
| 3                           |       | ACTIVATE(OtherEventsFail_02)                                                     |                                                                                   |     | To match ChReq retrans.           |
| 4                           |       | L!DL_UdatRqImmss                                                                 | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>ta) |     |                                   |
| 5                           |       | L?DL_EstInLupRq                                                                  | LocUp_03                                                                          |     | periodic LUP                      |
| 6                           |       | ACTIVATE(OtherEventsFail)                                                        |                                                                                   |     | Restore Normal default            |
| 7                           |       | L!DL_DatRqLupAcp                                                                 | LocAcp(TCV_ch,<br>mnc, lac)                                                       | (P) | no MI, fop;<br>LocArealD(mnc,lac) |
| 8                           |       | ?TIMEOUT T_dly                                                                   |                                                                                   | (F) |                                   |
| 9                           |       | L!DL_DatRqChRel                                                                  | ChRel_20(TCV_ch)                                                                  |     |                                   |
| 10                          |       | L?DL_RelIn                                                                       | DLRelInd_01                                                                       |     |                                   |
| <b>Detailed Comments:</b>   |       |                                                                                  |                                                                                   |     |                                   |



| Test Step Dynamic Behaviour                                                                     |       |                                                                                  |                                                                                   |     |                         |
|-------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Step Name:</b> MM_LUPperauth(oldmi, newmi: MI; lac:OCTETSTRING; cksn: BITSTRING; ta:TA) |       |                                                                                  |                                                                                   |     |                         |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/                                                    |       |                                                                                  |                                                                                   |     |                         |
| <b>Objective:</b>                                                                               |       |                                                                                  |                                                                                   |     |                         |
| <b>Default:</b> OtherEventsFail                                                                 |       |                                                                                  |                                                                                   |     |                         |
| Nr                                                                                              | Label | Behaviour Description                                                            | CRef                                                                              | V   | Comments                |
| 1                                                                                               |       | START T_dly(C_T_T3212min)                                                        |                                                                                   |     |                         |
| 2                                                                                               |       | ?TIMEOUT T_dly                                                                   |                                                                                   | (P) |                         |
| 3                                                                                               |       | START T_dly( C_T_T3212dif*2)                                                     |                                                                                   |     |                         |
| 4                                                                                               |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn) | ChReq_09                                                                          |     |                         |
| 5                                                                                               |       | ACTIVATE(OtherEventsFail_02)                                                     |                                                                                   |     | To match ChReq retrans. |
| 6                                                                                               |       | CANCEL T_dly                                                                     |                                                                                   |     |                         |
| 7                                                                                               |       | L!DL_UdatRqImm                                                                   | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>ta) |     |                         |
| 8                                                                                               |       | L?DL_EstInLupRq                                                                  | LocUp_32(oldmi,<br>TCV_ch, lac,<br>TCV_cks)                                       |     | periodic LUP            |
| 9                                                                                               |       | ACTIVATE(OtherEventsFail)                                                        |                                                                                   |     | Restore Normal default  |
| 10                                                                                              |       | +Authentication(TCV_ch, cksn)                                                    |                                                                                   |     |                         |
| 11                                                                                              |       | L!DL_DatRqLupAcp                                                                 | LocAcp_30(newmi,<br>TCV_ch, lac)                                                  |     |                         |
| 12                                                                                              |       | ?TIMEOUT T_dly                                                                   |                                                                                   | (F) |                         |
| 13                                                                                              |       | L!DL_DatRqChRel                                                                  | ChRel_20(TCV_ch)                                                                  |     |                         |
| 14                                                                                              |       | L?DL_Relln                                                                       | DLRelInd_01                                                                       |     |                         |
| <b>Detailed Comments:</b>                                                                       |       |                                                                                  |                                                                                   |     |                         |

| Test Step Dynamic Behaviour                                |       |                                                                                  |                                                                                   |     |                         |
|------------------------------------------------------------|-------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Step Name:</b> MM_LUPperrej(par_rej:REJCAU; ta:TA) |       |                                                                                  |                                                                                   |     |                         |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/               |       |                                                                                  |                                                                                   |     |                         |
| <b>Objective:</b>                                          |       |                                                                                  |                                                                                   |     |                         |
| <b>Default:</b> OtherEventsFail                            |       |                                                                                  |                                                                                   |     |                         |
| Nr                                                         | Label | Behaviour Description                                                            | CRef                                                                              | V   | Comments                |
| 1                                                          |       | START T_dly(C_T_T3212min)                                                        |                                                                                   |     |                         |
| 2                                                          |       | ?TIMEOUT T_dly                                                                   |                                                                                   | (P) |                         |
| 3                                                          |       | START T_dly(C_T_T3212dif*2)                                                      |                                                                                   |     |                         |
| 4                                                          |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn) | ChReq_09                                                                          |     |                         |
| 5                                                          |       | ACTIVATE(OtherEventsFail_02)                                                     |                                                                                   |     | To match ChReq retrans. |
| 6                                                          |       | CANCEL T_dly                                                                     |                                                                                   |     |                         |
| 7                                                          |       | L!DL_UdatRqImm                                                                   | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>ta) |     |                         |
| 8                                                          |       | L?DL_EstInLupRq                                                                  | LocUp_03                                                                          |     | periodic LUP            |
| 9                                                          |       | ACTIVATE(OtherEventsFail)                                                        |                                                                                   |     | Restore Normal default  |
| 10                                                         |       | L!DL_DatRqLupRej                                                                 | LocRej_01(par_rej,<br>TCV_ch)                                                     | (P) |                         |
| 11                                                         |       | +ChanRel(TCV_ch)                                                                 |                                                                                   |     |                         |
| 12                                                         |       | ?TIMEOUT T_dly                                                                   |                                                                                   | (F) |                         |
| 13                                                         |       | L!DL_DatRqChRel                                                                  | ChRel_20(TCV_ch)                                                                  |     |                         |
| 14                                                         |       | L?DL_Relln                                                                       | DLRelInd_01                                                                       |     |                         |
| <b>Detailed Comments:</b>                                  |       |                                                                                  |                                                                                   |     |                         |

| Test Step Dynamic Behaviour |       |                                                                                         |                                                                                   |     |                         |
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| <b>Test Step Name:</b>      |       | MM_LUPperrej2(par_rej: REJCAU; par_mi:MI; par_toleranz:INTEGER; lac:OCTETSTRING; ta:TA) |                                                                                   |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                          |                                                                                   |     |                         |
| <b>Objective:</b>           |       |                                                                                         |                                                                                   |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                         |                                                                                   |     |                         |
| Nr                          | Label | Behaviour Description                                                                   | CRef                                                                              | V   | Comments                |
| 1                           |       | START T_dly(par_toleranz)                                                               |                                                                                   |     |                         |
| 2                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)        | ChReq_09                                                                          |     |                         |
| 3                           |       | ACTIVATE(OtherEventsFail_02)                                                            |                                                                                   |     | To match ChReq retrans. |
| 4                           |       | LIDL_UdatRqImm                                                                          | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>ta) |     |                         |
| 5                           |       | L?DL_EstInLupRq                                                                         | LocUp_32(par_mi,<br>TCV_ch, TCV_lac,<br>TCV_cks)                                  |     | periodic LocUp          |
| 6                           |       | ACTIVATE(OtherEventsFail)                                                               |                                                                                   |     | Restore Normal default  |
| 7                           |       | LIDL_DatRqLupRej                                                                        | LocRej_01(par_rej,<br>TCV_ch)                                                     | (P) |                         |
| 8                           |       | +ChanRel(TCV_ch)                                                                        |                                                                                   |     |                         |
| 9                           |       | ?TIMEOUT T_dly                                                                          |                                                                                   | (F) |                         |
| 10                          |       | LIDL_DatRqChRel                                                                         | ChRel_20(TCV_ch)                                                                  |     |                         |
| 11                          |       | L?DL_RelIn                                                                              | DLRelInd_01                                                                       |     |                         |
| <b>Detailed Comments:</b>   |       |                                                                                         |                                                                                   |     |                         |

| Test Step Dynamic Behaviour |       |                                                                                  |                                                                                   |     |                         |
|-----------------------------|-------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Step Name:</b>      |       | MM_LUPperrej3(par_mi:MI;par_toleranz:INTEGER; lac:OCTETSTRING; ta:TA)            |                                                                                   |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                   |                                                                                   |     |                         |
| <b>Objective:</b>           |       |                                                                                  |                                                                                   |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                  |                                                                                   |     |                         |
| Nr                          | Label | Behaviour Description                                                            | CRef                                                                              | V   | Comments                |
| 1                           |       | START T_dly(par_toleranz)                                                        |                                                                                   |     |                         |
| 2                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn) | ChReq_09                                                                          |     |                         |
| 3                           |       | ACTIVATE(OtherEventsFail_02)                                                     |                                                                                   |     | To match ChReq retrans. |
| 4                           |       | LIDL_UdatRqImm                                                                   | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>ta) |     |                         |
| 5                           |       | L?DL_EstInLupRq                                                                  | LocUp_32(par_mi,<br>TCV_ch, lac,<br>TCV_cks)                                      |     |                         |
| 6                           |       | ACTIVATE(OtherEventsFail)                                                        |                                                                                   |     | Restore Normal default  |
| 7                           |       | +ChanRel(TCV_ch)                                                                 |                                                                                   |     |                         |
| 8                           |       | ?TIMEOUT T_dly                                                                   |                                                                                   | (F) |                         |
| 9                           |       | LIDL_DatRqChRel                                                                  | ChRel_20(TCV_ch)                                                                  |     |                         |
| 10                          |       | L?DL_RelIn                                                                       | DLRelInd_01                                                                       |     |                         |
| <b>Detailed Comments:</b>   |       |                                                                                  |                                                                                   |     |                         |

| Test Step Dynamic Behaviour                              |       |                                                                                  |                                                                                   |     |                          |
|----------------------------------------------------------|-------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----|--------------------------|
| <b>Test Step Name:</b> MM_LupRej(par_rej: REJCAU; ta:TA) |       |                                                                                  |                                                                                   |     |                          |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/             |       |                                                                                  |                                                                                   |     |                          |
| <b>Objective:</b>                                        |       |                                                                                  |                                                                                   |     |                          |
| <b>Default:</b> OtherEventsFail                          |       |                                                                                  |                                                                                   |     |                          |
| Nr                                                       | Label | Behaviour Description                                                            | CRef                                                                              | V   | Comments                 |
| 1                                                        |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn) | ChReq_09                                                                          |     | To match ChReq retrans.  |
| 2                                                        |       | ACTIVATE(OtherEventsFail_02)                                                     |                                                                                   |     |                          |
| 3                                                        |       | LIDL_UdatRqImmss                                                                 | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>ta) |     |                          |
| 4                                                        |       | L?DL_EstInLupRq                                                                  | LocUp_02                                                                          |     | Normal location updating |
| 5                                                        |       | ACTIVATE(OtherEventsFail)                                                        |                                                                                   |     | Restore Normal default   |
| 6                                                        |       | L!DL_DatRqLupRej                                                                 | LocRej_01(par_rej,<br>TCV_ch)                                                     | (P) |                          |
| 7                                                        |       | +ChanRel(TCV_ch)                                                                 |                                                                                   |     |                          |
| <b>Detailed Comments:</b>                                |       |                                                                                  |                                                                                   |     |                          |

| Test Step Dynamic Behaviour                                                           |       |                                                                                  |                                                                                   |     |                         |
|---------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Step Name:</b> MM_LupRej2(par_rej: REJCAU; par_mi:MI; lac:OCTETSTRING; ta:TA) |       |                                                                                  |                                                                                   |     |                         |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/                                          |       |                                                                                  |                                                                                   |     |                         |
| <b>Objective:</b>                                                                     |       |                                                                                  |                                                                                   |     |                         |
| <b>Default:</b> OtherEventsFail                                                       |       |                                                                                  |                                                                                   |     |                         |
| Nr                                                                                    | Label | Behaviour Description                                                            | CRef                                                                              | V   | Comments                |
| 1                                                                                     |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn) | ChReq_09                                                                          |     | To match ChReq retrans. |
| 2                                                                                     |       | ACTIVATE(OtherEventsFail_02)                                                     |                                                                                   |     |                         |
| 3                                                                                     |       | LIDL_UdatRqImmss                                                                 | ImmAss_20(TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>ta) |     |                         |
| 4                                                                                     |       | L?DL_EstInLupRq                                                                  | LocUp_30(par_mi,<br>TCV_ch, lac,<br>TCV_cksn)                                     |     | normal LocUp            |
| 5                                                                                     |       | ACTIVATE(OtherEventsFail)                                                        |                                                                                   |     | Restore Normal default  |
| 6                                                                                     |       | L!DL_DatRqLupRej                                                                 | LocRej_01(par_rej,<br>TCV_ch)                                                     | (P) |                         |
| 7                                                                                     |       | +ChanRel(TCV_ch)                                                                 |                                                                                   |     |                         |
| <b>Detailed Comments:</b>                                                             |       |                                                                                  |                                                                                   |     |                         |

| Test Step Dynamic Behaviour |       |                                   |      |     |          |
|-----------------------------|-------|-----------------------------------|------|-----|----------|
| <b>Test Step Name:</b>      |       | MM_noimsidetach(par_int: INTEGER) |      |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/    |      |     |          |
| <b>Objective:</b>           |       |                                   |      |     |          |
| <b>Default:</b>             |       | OtherEventsFail                   |      |     |          |
| Nr                          | Label | Behaviour Description             | CRef | V   | Comments |
| 1                           |       | [TSPC_SIMRmv = TRUE]              |      |     |          |
| 2                           |       | +RemoveSIM                        |      |     |          |
| 3                           |       | START T_dly(par_int)              |      |     |          |
| 4                           |       | ?TIMEOUT T_dly                    |      | (P) |          |
| 5                           |       | +InsertSIM                        |      |     |          |
| 6                           |       | [TSPC_SIMRmv = FALSE]             |      |     |          |
| 7                           |       | [TSPC_SwitchOnOff = TRUE]         |      |     |          |
| 8                           |       | (TCV_Null := OO_SwitchOff())      |      |     |          |
| 9                           |       | START T_dly(par_int)              |      |     |          |
| 10                          |       | ?TIMEOUT T_dly                    |      | (P) |          |
| 11                          |       | (TCV_Null := OO_SwitchOn())       |      |     |          |
| 12                          |       | [TSPC_SwitchOnOff = FALSE]        |      |     |          |
| 13                          |       | (TCV_Null := OO_PowerDown())      |      |     |          |
| 14                          |       | START T_dly(par_int)              |      |     |          |
| 15                          |       | ?TIMEOUT T_dly                    |      | (P) |          |
| 16                          |       | (TCV_Null := OO_PowerUp())        |      |     |          |
| <b>Detailed Comments:</b>   |       |                                   |      |     |          |

| Test Step Dynamic Behaviour |       |                                |      |   |          |
|-----------------------------|-------|--------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | MM_PwrOrSimOff                 |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/ |      |   |          |
| <b>Objective:</b>           |       |                                |      |   |          |
| <b>Default:</b>             |       | OtherEventsFail                |      |   |          |
| Nr                          | Label | Behaviour Description          | CRef | V | Comments |
| 1                           |       | [TSPC_SIMRmv = TRUE]           |      |   |          |
| 2                           |       | +RemoveSIM                     |      |   |          |
| 3                           |       | [TSPC_SIMRmv = FALSE]          |      |   |          |
| 4                           |       | [TSPC_SwitchOnOff = TRUE]      |      |   |          |
| 5                           |       | (TCV_Null := OO_SwitchOff())   |      |   |          |
| 6                           |       | [TSPC_SwitchOnOff = FALSE]     |      |   |          |
| 7                           |       | (TCV_Null := OO_PowerDown())   |      |   |          |
| <b>Detailed Comments:</b>   |       |                                |      |   |          |

| Test Step Dynamic Behaviour |       |                                |      |   |          |
|-----------------------------|-------|--------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | MM_PwrOrSimOn                  |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/ |      |   |          |
| <b>Objective:</b>           |       |                                |      |   |          |
| <b>Default:</b>             |       | OtherEventsFail                |      |   |          |
| Nr                          | Label | Behaviour Description          | CRef | V | Comments |
| 1                           |       | [TSPC_SIMRmv = TRUE]           |      |   |          |
| 2                           |       | +InsertSIM                     |      |   |          |
| 3                           |       | [TSPC_SIMRmv = FALSE]          |      |   |          |
| 4                           |       | [TSPC_SwitchOnOff = TRUE]      |      |   |          |
| 5                           |       | (TCV_Null := OO_SwitchOn())    |      |   |          |
| 6                           |       | [TSPC_SwitchOnOff = FALSE]     |      |   |          |
| 7                           |       | (TCV_Null := OO_PowerUp())     |      |   |          |
| <b>Detailed Comments:</b>   |       |                                |      |   |          |

| Test Step Dynamic Behaviour                   |       |                                                                                                      |                                                                           |     |                         |
|-----------------------------------------------|-------|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Step Name:</b> MM_check_ecall1(ta:TA) |       |                                                                                                      |                                                                           |     |                         |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/  |       |                                                                                                      |                                                                           |     |                         |
| <b>Objective:</b>                             |       |                                                                                                      |                                                                           |     |                         |
| <b>Default:</b> OtherEventsFail               |       |                                                                                                      |                                                                           |     |                         |
| Nr                                            | Label | Behaviour Description                                                                                | CRef                                                                      | V   | Comments                |
| 1                                             |       | [TSPC_FullRateSpeech OR TSPC_HalfRateSpeech]                                                         |                                                                           |     |                         |
| 2                                             |       | +AttmpEmgCall                                                                                        |                                                                           |     |                         |
| 3                                             |       | +BasicServiceMO(C_EmgCallSRV,<br>TSPX_MO_rate_EmergencyCall)                                         |                                                                           |     |                         |
| 4                                             |       | L?DL_RaInChRq ( TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                    | ChReq_18                                                                  |     |                         |
| 5                                             |       | ACTIVATE(OtherEventsFail_02)                                                                         |                                                                           |     | To match ChReq retrans. |
| 6                                             |       | L!DL_UdatRqImmass                                                                                    | ImmAss_01Def(TCV_<br>agch,<br>TCV_Rr,TCV_Fn,<br>TCV_slot, TCV_tsc,<br>ta) |     |                         |
| 7                                             |       | L?DL_EstInCmsRq                                                                                      | CmserReq_05                                                               |     |                         |
| 8                                             |       | ACTIVATE(OtherEventsFail)                                                                            |                                                                           |     | Restore Normal default  |
| 9                                             |       | L!DL_DatRqCmsAcp                                                                                     | CmserAcp_01(TCV_c<br>h)                                                   |     |                         |
| 10                                            |       | L?DL_DatInESetup (TCV_ti_v :=<br>DL_DatInESetup.msg.ti.v,<br>TCV_ti_f :=<br>DL_DatInESetup.msg.ti.f) | ESetupInd_01                                                              |     |                         |
| 11                                            |       | +Compute_ti                                                                                          |                                                                           |     |                         |
| 12                                            |       | +Itree_check_ti_flag                                                                                 |                                                                           |     |                         |
| 13                                            |       | L!DL_DatRqRelCmp                                                                                     | RelCmpRq_03(<br>TCV_ti_dest,<br>TCV_ch)                                   | (P) |                         |
| 14                                            |       | +ChanRel(TCV_ch)                                                                                     |                                                                           |     |                         |
| 15                                            |       | [NOT TSPC_FullRateSpeech AND NOT<br>TSPC_HalfRateSpeech]                                             |                                                                           | (P) |                         |
| 16                                            |       | <b>Itree_check_ti_flag</b><br>[TCV_ti_f = '1'B]                                                      |                                                                           | (F) |                         |
| 17                                            |       | L!DL_DatRqChRel                                                                                      | ChRel_20(TCV_ch)                                                          |     |                         |
| 18                                            |       | L?DL_RelIn                                                                                           | DLRelInd_01                                                               |     |                         |
| <b>Detailed Comments:</b>                     |       |                                                                                                      |                                                                           |     |                         |

| Test Step Dynamic Behaviour |       |                                                                                                     |                                                                           |     |                         |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Step Name:</b>      |       | MM_check_ecall2(parexpected_mi: MI; parexpected_cks: BITSTRING; ta:TA)                              |                                                                           |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                                      |                                                                           |     |                         |
| <b>Objective:</b>           |       |                                                                                                     |                                                                           |     |                         |
| <b>Default:</b>             |       | OtherEventsFail                                                                                     |                                                                           |     |                         |
| Nr                          | Label | Behaviour Description                                                                               | CRef                                                                      | V   | Comments                |
| 1                           |       | [TSPC_FullRateSpeech OR TSPC_HalfRateSpeech]                                                        |                                                                           |     |                         |
| 2                           |       | +AttmpEmgCall                                                                                       |                                                                           |     |                         |
| 3                           |       | +BasicServiceMO(C_EmgCallSRV,<br>TSPX_MO_rate_EmergencyCall)                                        |                                                                           |     |                         |
| 4                           |       | L?DL_RaInChRq ( TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                   | ChReq_18                                                                  |     |                         |
| 5                           |       | ACTIVATE(OtherEventsFail_02)                                                                        |                                                                           |     | To match ChReq retrans. |
| 6                           |       | L!DL_UdatRqImmss                                                                                    | ImmAss_01Def(TCV_<br>agch,<br>TCV_Rr,TCV_Fn,<br>TCV_slot, TCV_tsc,<br>ta) |     |                         |
| 7                           |       | L?DL_EstInCmsRq                                                                                     | CmsrReq_31(<br>parexpected_mi,<br>parexpected_cks)                        |     |                         |
| 8                           |       | ACTIVATE(OtherEventsFail)                                                                           |                                                                           |     | Restore Normal default  |
| 9                           |       | LIDL_DatRqCmsAcp                                                                                    | CmsrAcp_01(TCV_c<br>h)                                                    |     |                         |
| 10                          |       | L?DL_DatInESetup(TCV_ti_v :=<br>DL_DatInESetup.msg.ti.v,<br>TCV_ti_f :=<br>DL_DatInESetup.msg.ti.f) | ESetupInd_01                                                              |     |                         |
| 11                          |       | +Compute_ti                                                                                         |                                                                           |     |                         |
| 12                          |       | +ltree_check_ti_flag                                                                                |                                                                           |     |                         |
| 13                          |       | LIDL_DatRqRelCmp                                                                                    | RelCmpRq_03(TCV_t<br>i_dest, TCV_ch)                                      | (P) |                         |
| 14                          |       | +ChanRel(TCV_ch)                                                                                    |                                                                           |     |                         |
| 15                          |       | [NOT TSPC_FullRateSpeech AND NOT<br>TSPC_HalfRateSpeech]                                            |                                                                           | (P) |                         |
|                             |       | <b>ltree_check_ti_flag</b>                                                                          |                                                                           |     |                         |
| 16                          |       | [TCV_ti_f = '1'B]                                                                                   |                                                                           | (F) |                         |
| 17                          |       | LIDL_DatRqChRel                                                                                     | ChRel_20(TCV_ch)                                                          |     |                         |
| 18                          |       | L?DL_Relln                                                                                          | DLRelInd_01                                                               |     |                         |
| <b>Detailed Comments:</b>   |       |                                                                                                     |                                                                           |     |                         |

| Test Step Dynamic Behaviour                   |       |                                                                                                      |                                                                       |     |                         |
|-----------------------------------------------|-------|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----|-------------------------|
| <b>Test Step Name:</b> MM_check_ecall3(ta:TA) |       |                                                                                                      |                                                                       |     |                         |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/  |       |                                                                                                      |                                                                       |     |                         |
| <b>Objective:</b>                             |       |                                                                                                      |                                                                       |     |                         |
| <b>Default:</b> OtherEventsFail               |       |                                                                                                      |                                                                       |     |                         |
| Nr                                            | Label | Behaviour Description                                                                                | CRef                                                                  | V   | Comments                |
| 1                                             |       | [TSPC_FullRateSpeech OR TSPC_HalfRateSpeech]                                                         |                                                                       |     |                         |
| 2                                             |       | +AttmpEmgCall                                                                                        |                                                                       |     |                         |
| 3                                             |       | +BasicServiceMO(C_EmgCallSRV,<br>TSPX_MO_rate_EmergencyCall)                                         |                                                                       |     |                         |
| 4                                             |       | L?DL_RacInChRq ( TCV_Rr := DL_RacInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                 | ChReq_19(C_RACH_A_1)                                                  |     |                         |
| 5                                             |       | ACTIVATE(OtherEventsFail_02)                                                                         |                                                                       |     | To match ChReq retrans. |
| 6                                             |       | L!DL_UdatRqImmss                                                                                     | ImmAss_01Def(TCV_agch,<br>TCV_Rr,TCV_Fn,<br>TCV_slot, TCV_tsc,<br>ta) |     |                         |
| 7                                             |       | L?DL_EstInCmsRq                                                                                      | CmserReq_05                                                           |     |                         |
| 8                                             |       | ACTIVATE(OtherEventsFail)                                                                            |                                                                       |     | Restore Normal default  |
| 9                                             |       | L!DL_DatRqCmsAcp                                                                                     | CmserAcp_01(TCV_ch)                                                   |     |                         |
| 10                                            |       | L?DL_DatInESetup (TCV_ti_v :=<br>DL_DatInESetup.msg.ti.v,<br>TCV_ti_f :=<br>DL_DatInESetup.msg.ti.f) | ESetupInd_01                                                          |     |                         |
| 11                                            |       | +Compute_ti                                                                                          |                                                                       |     |                         |
| 12                                            |       | +ltree_check_ti_flag                                                                                 |                                                                       |     |                         |
| 13                                            |       | L!DL_DatRqRelCmp                                                                                     | RelCmpRq_03(TCV_ti_dest, TCV_ch)                                      | (P) |                         |
| 14                                            |       | +ChanRel(TCV_ch)                                                                                     |                                                                       |     |                         |
| 15                                            |       | [NOT TSPC_FullRateSpeech AND NOT<br>TSPC_HalfRateSpeech]                                             |                                                                       | (P) |                         |
| 16                                            |       | <b>ltree_check_ti_flag</b><br>[TCV_ti_f = '1'B]                                                      |                                                                       | (F) |                         |
| 17                                            |       | L!DL_DatRqChRel                                                                                      | ChRel_20(TCV_ch)                                                      |     |                         |
| 18                                            |       | L?DL_Relln                                                                                           | DLRelInd_01                                                           |     |                         |
| <b>Detailed Comments:</b>                     |       |                                                                                                      |                                                                       |     |                         |

| Test Step Dynamic Behaviour                               |       |                                                                  |      |     |          |
|-----------------------------------------------------------|-------|------------------------------------------------------------------|------|-----|----------|
| <b>Test Step Name:</b> MM_no_cmsservices(par_int:INTEGER) |       |                                                                  |      |     |          |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/              |       |                                                                  |      |     |          |
| <b>Objective:</b>                                         |       |                                                                  |      |     |          |
| <b>Default:</b> OtherEventsFail                           |       |                                                                  |      |     |          |
| Nr                                                        | Label | Behaviour Description                                            | CRef | V   | Comments |
| 1                                                         |       | +AttmpCall                                                       |      |     |          |
| 2                                                         |       | +BasicServiceMO(TSPX_MO_BscSvc_AnyCall,<br>TSPX_MO_rate_AnyCall) |      |     |          |
| 3                                                         |       | START T_dly(par_int)                                             |      |     |          |
| 4                                                         |       | ?TIMEOUT T_dly                                                   |      | (P) |          |
| <b>Detailed Comments:</b>                                 |       |                                                                  |      |     |          |

| Test Step Dynamic Behaviour |       |                                  |      |     |          |
|-----------------------------|-------|----------------------------------|------|-----|----------|
| <b>Test Step Name:</b>      |       | MM_no_norm_lup(par_int: INTEGER) |      |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/   |      |     |          |
| <b>Objective:</b>           |       |                                  |      |     |          |
| <b>Default:</b>             |       | OtherEventsFail                  |      |     |          |
| Nr                          | Label | Behaviour Description            | CRef | V   | Comments |
| 1                           |       | START T_dly(par_int)             |      |     |          |
| 2                           |       | ?TIMEOUT T_dly                   |      | (P) |          |
| <b>Detailed Comments:</b>   |       |                                  |      |     |          |

| Test Step Dynamic Behaviour |       |                                                           |                                                         |     |          |
|-----------------------------|-------|-----------------------------------------------------------|---------------------------------------------------------|-----|----------|
| <b>Test Step Name:</b>      |       | MM_no_paging(par_mi: MI; par_checktime:INTEGER; ccd: CCD) |                                                         |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                            |                                                         |     |          |
| <b>Objective:</b>           |       |                                                           |                                                         |     |          |
| <b>Default:</b>             |       | OtherEventsFail                                           |                                                         |     |          |
| Nr                          | Label | Behaviour Description                                     | CRef                                                    | V   | Comments |
| 1                           |       | +CCCH_group_Paging_group(TCV_Ccd0A,<br>TSPX_IMSI)         |                                                         |     |          |
| 2                           |       | LIDL_UdatRqPg1Rq                                          | PgReq1(TCV_PgCh,<br>TCV_Pgg,<br>PgReqTp1_30(par_mi<br>) |     |          |
| 3                           |       | START T_dly(par_checktime)                                |                                                         |     |          |
| 4                           |       | ?TIMEOUT T_dly                                            |                                                         | (P) |          |
| <b>Detailed Comments:</b>   |       |                                                           |                                                         |     |          |

| Test Step Dynamic Behaviour |       |                                |      |     |          |
|-----------------------------|-------|--------------------------------|------|-----|----------|
| <b>Test Step Name:</b>      |       | MM_noperiodicLup               |      |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/ |      |     |          |
| <b>Objective:</b>           |       |                                |      |     |          |
| <b>Default:</b>             |       | OtherEventsFail                |      |     |          |
| Nr                          | Label | Behaviour Description          | CRef | V   | Comments |
| 1                           |       | START T_dly(420000)            |      |     |          |
| 2                           |       | ?TIMEOUT T_dly                 |      | (P) |          |
| <b>Detailed Comments:</b>   |       |                                |      |     |          |



| Test Step Dynamic Behaviour                                                   |       |                                                                 |                               |     |          |
|-------------------------------------------------------------------------------|-------|-----------------------------------------------------------------|-------------------------------|-----|----------|
| <b>Test Step Name:</b> RR_hocomp1(time_fn1_fn2:INTEGER; ta:TA)                |       |                                                                 |                               |     |          |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/                                  |       |                                                                 |                               |     |          |
| <b>Objective:</b> To finish the HO-procedure. Timing advance = 20 bits period |       |                                                                 |                               |     |          |
| <b>Default:</b> OtherEvents                                                   |       |                                                                 |                               |     |          |
| <b>Comments:</b> used var's:<br>TCV_ch, TCV_Horf                              |       |                                                                 |                               |     |          |
| Nr                                                                            | Label | Behaviour Description                                           | CRef                          | V   | Comments |
| 1                                                                             |       | (TCV_Cnt:=0)                                                    |                               |     |          |
| 2                                                                             |       | REPEAT localtree_hoacc UNTIL [TCV_Cnt = TCV_Cntref]             |                               |     |          |
| 3                                                                             |       | LIDL_DatRqPhyinfo                                               | PhyInfo_21(TCV_ch, ta)        |     |          |
| 4                                                                             |       | (TCV_Fn1:=OM_ComingFn(TCV_ch))                                  |                               |     |          |
| 5                                                                             |       | L?DL_EstIn                                                      | DLEstInd_01                   |     |          |
| 6                                                                             |       | L?DL_DatInHoCom                                                 | HndOvCmp_20(TCV_ch)           |     |          |
| 7                                                                             |       | (TCV_Fn:=OM_ComingFn(TCV_ch))                                   |                               |     |          |
| 8                                                                             |       | +localtree_hotime                                               |                               | 1)  |          |
|                                                                               |       | <b>localtree_hoacc</b>                                          |                               |     |          |
| 9                                                                             |       | L?DL_RacInHoacc                                                 | HndOvAcc_03(TCV_ch, TCV_Horf) |     |          |
| 10                                                                            |       | (TCV_Cnt := TCV_Cnt + 1)                                        |                               |     |          |
|                                                                               |       | <b>localtree_hotime</b>                                         |                               |     |          |
| 11                                                                            |       | (TCV_Res := OC_TimingCHK( TCV_Fn, TCV_Fn1, time_fn1_fn2, 0, 0)) |                               |     |          |
| 12                                                                            |       | [TCV_Res = FALSE]                                               |                               | (F) |          |
| 13                                                                            |       | +ChanRel(TCV_ch)                                                |                               |     |          |
| 14                                                                            |       | [TCV_Res = TRUE]                                                |                               |     |          |
| <b>Detailed Comments:</b> 1) Check of HO-time                                 |       |                                                                 |                               |     |          |

| Test Step Dynamic Behaviour |       |                                                             |                               |     |          |
|-----------------------------|-------|-------------------------------------------------------------|-------------------------------|-----|----------|
| <b>Test Step Name:</b>      |       | RR_hocomp2(par_int:INTEGER; ta :TA)                         |                               |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                              |                               |     |          |
| <b>Objective:</b>           |       | To finish the HO-procedure. Timing advance = TSPX_rtimAdv_2 |                               |     |          |
| <b>Default:</b>             |       | OtherEvents                                                 |                               |     |          |
| <b>Comments:</b>            |       | used var's:<br>TCV_ch, TCV_Horf                             |                               |     |          |
| Nr                          | Label | Behaviour Description                                       | CRef                          | V   | Comments |
| 1                           |       | (TCV_Cnt:=0)                                                |                               |     |          |
| 2                           |       | REPEAT localtree_hoacc UNTIL [TCV_Cnt = TCV_Cntref]         |                               |     |          |
| 3                           |       | LIDL_DatRqPhyinfo                                           | PhyInfo_22(TCV_ch, ta)        |     |          |
| 4                           |       | (TCV_Fn1:=OM_ComingFn(TCV_ch))                              |                               |     |          |
| 5                           |       | L?DL_EstIn                                                  | DLEstInd_01                   |     |          |
| 6                           |       | L?DL_DatInHoCom                                             | HndOvCmp_20(TCV_ch)           |     |          |
| 7                           |       | (TCV_Fn:=OM_ComingFn(TCV_ch))                               |                               |     |          |
| 8                           |       | +localtree_hotime                                           |                               |     | 1)       |
|                             |       | <b>localtree_hoacc</b>                                      |                               |     |          |
| 9                           |       | L?DL_RaInHoacc                                              | HndOvAcc_03(TCV_ch, TCV_Horf) |     |          |
| 10                          |       | (TCV_Cnt := TCV_Cnt + 1)                                    |                               |     |          |
|                             |       | <b>localtree_hotime</b>                                     |                               |     |          |
| 11                          |       | (TCV_Res := OC_TimingCHK( TCV_Fn, TCV_Fn1, par_int, 0, 0))  |                               |     |          |
| 12                          |       | [TCV_Res = FALSE]                                           |                               | (F) |          |
| 13                          |       | +ChanRel(TCV_ch)                                            |                               |     |          |
| 14                          |       | [TCV_Res = TRUE]                                            |                               |     |          |
| <b>Detailed Comments:</b>   |       | 1) Check of HO-time                                         |                               |     |          |

| Test Step Dynamic Behaviour |       |                                                                 |                               |     |          |
|-----------------------------|-------|-----------------------------------------------------------------|-------------------------------|-----|----------|
| <b>Test Step Name:</b>      |       | RR_hocomp3(time_fn1_fn2:INTEGER)                                |                               |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                  |                               |     |          |
| <b>Objective:</b>           |       | To finish the HO-procedure. Timing advance = 20 bits period     |                               |     |          |
| <b>Default:</b>             |       | OtherEvents                                                     |                               |     |          |
| <b>Comments:</b>            |       | used var's:<br>TCV_ch, TCV_Horf                                 |                               |     |          |
| Nr                          | Label | Behaviour Description                                           | CRef                          | V   | Comments |
| 1                           |       | (TCV_Cnt:=0)                                                    |                               |     |          |
| 2                           |       | REPEAT localtree_hoacc UNTIL [TCV_Cnt =4]                       |                               |     |          |
| 3                           |       | (TCV_Fn1:= OM_ComingFn(TCV_ch))                                 |                               |     |          |
| 4                           |       | L?DL_EstIn                                                      | DLEstInd_01                   |     |          |
| 5                           |       | L?DL_DatInHoCom                                                 | HndOvCmp_20(TCV_ch)           |     |          |
| 6                           |       | (TCV_Fn:= OM_ComingFn(TCV_ch))                                  |                               |     |          |
| 7                           |       | +localtree_hotime                                               |                               |     | 1)       |
|                             |       | <b>localtree_hoacc</b>                                          |                               |     |          |
| 8                           |       | L?DL_RaInHoacc                                                  | HndOvAcc_03(TCV_ch, TCV_Horf) |     |          |
| 9                           |       | (TCV_Cnt := TCV_Cnt + 1)                                        |                               |     |          |
|                             |       | <b>localtree_hotime</b>                                         |                               |     |          |
| 10                          |       | (TCV_Res := OC_TimingCHK( TCV_Fn, TCV_Fn1, time_fn1_fn2, 0, 0)) |                               |     |          |
| 11                          |       | [TCV_Res = FALSE]                                               |                               | (F) |          |
| 12                          |       | +ChanRel(TCV_ch)                                                |                               |     |          |
| 13                          |       | [TCV_Res = TRUE]                                                |                               |     |          |
| <b>Detailed Comments:</b>   |       | 1) Check of HO-time                                             |                               |     |          |

| Test Step Dynamic Behaviour |       |                                                                                      |                                                                                         |   |                         |
|-----------------------------|-------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---|-------------------------|
| <b>Test Step Name:</b>      |       | RRmtcallprepare(ta:TA)                                                               |                                                                                         |   |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                       |                                                                                         |   |                         |
| <b>Objective:</b>           |       | To prepare a mobile terminating call establishment.                                  |                                                                                         |   |                         |
| <b>Default:</b>             |       | OtherEvents                                                                          |                                                                                         |   |                         |
| Nr                          | Label | Behaviour Description                                                                | CRef                                                                                    | V | Comments                |
| 1                           |       | +localtree_idlestate                                                                 |                                                                                         |   |                         |
| 2                           |       | +CCCH_group_Paging_group(TCV_Ccd0A,<br>TSPX_IMSI)                                    |                                                                                         |   |                         |
| 3                           |       | LIDL_UdatRqPg1Rq                                                                     | PgReq1(TCV_PgCh,<br>TCV_Pgg,<br>PgReqTp1_01)                                            |   |                         |
| 4                           |       | L?DL_RacInChRq ( TCV_Rr := DL_RacInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn) | ChReq_01                                                                                |   |                         |
| 5                           |       | ACTIVATE(OtherEvents_02)                                                             |                                                                                         |   | To match ChReq retrans. |
| 6                           |       | +localtree_immassign                                                                 |                                                                                         |   |                         |
| 7                           |       | L?DL_EstInPgRes                                                                      | PgRes_01                                                                                |   |                         |
| 8                           |       | ACTIVATE(OtherEvents)                                                                |                                                                                         |   | Restore Normal default  |
| 9                           |       | +Authentication(TCV_ch, TCV_cks)                                                     |                                                                                         |   |                         |
| 10                          |       | +Cipherring_on(TCV_ch)                                                               |                                                                                         |   |                         |
|                             |       | <b>localtree_idlestate</b>                                                           |                                                                                         |   |                         |
| 11                          |       | [TCV_cellid = C_CellA]                                                               |                                                                                         |   |                         |
| 12                          |       | (TCV_PgCh:=C_PCH_A_1)                                                                |                                                                                         |   |                         |
| 13                          |       | [TCV_cellid = C_CellB]                                                               |                                                                                         |   |                         |
| 14                          |       | (TCV_PgCh:=C_PCH_B_1)                                                                |                                                                                         |   |                         |
|                             |       | <b>localtree_immassign</b>                                                           |                                                                                         |   |                         |
| 15                          |       | [TCV_cellid = C_CellA]                                                               |                                                                                         |   |                         |
| 16                          |       | LIDL_UdatRqImmass                                                                    | ImmAss_25( TCV_Rr,<br>TCV_Fn,<br>C_AGCH_A_1,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>ta) |   |                         |
| 17                          |       | [TCV_cellid = C_CellB]                                                               |                                                                                         |   |                         |
| 18                          |       | LIDL_UdatRqImmass                                                                    | ImmAss_25( TCV_Rr,<br>TCV_Fn,<br>C_AGCH_B_1,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>ta) |   |                         |
| <b>Detailed Comments:</b>   |       |                                                                                      |                                                                                         |   |                         |

| Test Step Dynamic Behaviour |       |                                                                                      |                                                                                    |   |                         |
|-----------------------------|-------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---|-------------------------|
| <b>Test Step Name:</b>      |       | RRmtcallprepareNoAuthNoCiph(ta:TA)                                                   |                                                                                    |   |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                       |                                                                                    |   |                         |
| <b>Objective:</b>           |       | To prepare a mobile terminating call establishment.                                  |                                                                                    |   |                         |
| <b>Default:</b>             |       | OtherEvents                                                                          |                                                                                    |   |                         |
| Nr                          | Label | Behaviour Description                                                                | CRef                                                                               | V | Comments                |
| 1                           |       | +CCCH_group_Paging_group(TCV_Ccd0A,<br>TSPX_IMSI)                                    |                                                                                    |   |                         |
| 2                           |       | L!DL_UdatRqPg1Rq                                                                     | PgReq1(TCV_PgCh,<br>TCV_Pgg,<br>PgReqTp1_01)                                       |   |                         |
| 3                           |       | L?DL_RacInChRq ( TCV_Rr := DL_RacInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn) | ChReq_01                                                                           |   |                         |
| 4                           |       | ACTIVATE(OtherEvents_02)                                                             |                                                                                    |   | To match ChReq retrans. |
| 5                           |       | L!DL_UdatRqImm                                                                       | ImmAss_25( TCV_Rr,<br>TCV_Fn, TCV_agch,<br>TCV_ia_ts,<br>TCV_chdescr_arfcn,<br>ta) |   |                         |
| 6                           |       | L?DL_EstInPgRes                                                                      | PgRes_01                                                                           |   |                         |
| 7                           |       | ACTIVATE(OtherEvents)                                                                |                                                                                    |   | Restore Normal default  |
| <b>Detailed Comments:</b>   |       |                                                                                      |                                                                                    |   |                         |

| Test Step Dynamic Behaviour |       |                                |      |     |          |
|-----------------------------|-------|--------------------------------|------|-----|----------|
| <b>Test Step Name:</b>      |       | NoReaction(par_int:INTEGER)    |      |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/ |      |     |          |
| <b>Objective:</b>           |       |                                |      |     |          |
| <b>Default:</b>             |       | OtherEventsFail                |      |     |          |
| Nr                          | Label | Behaviour Description          | CRef | V   | Comments |
| 1                           |       | START T_dly(par_int)           |      |     |          |
| 2                           |       | ?TIMEOUT T_dly                 |      | (P) |          |
| <b>Detailed Comments:</b>   |       |                                |      |     |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                        |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | SelectPagingCh(cell:CellID)                                                                                                                            |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                                                                                         |      |   |          |
| <b>Objective:</b>           |       | To assign a paging channel and an access grant channel to the variable TCV_PgCh and TCV_agch respectively, depending on the parameter 'cell' (cell ID) |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                            |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                  | CRef | V | Comments |
| 1                           |       | [cell = C_CellA]                                                                                                                                       |      |   |          |
| 2                           |       | [TCV_Ccchg=0]                                                                                                                                          |      |   |          |
| 3                           |       | (TCV_PgCh := C_PCH_A_1, TCV_agch := C_AGCH_A_1)                                                                                                        |      |   |          |
| 4                           |       | [TCV_Ccchg=1]                                                                                                                                          |      |   |          |
| 5                           |       | (TCV_PgCh := C_PCH_A_2, TCV_agch := C_AGCH_A_2)                                                                                                        |      |   |          |
| 6                           |       | [TCV_Ccchg=2]                                                                                                                                          |      |   |          |
| 7                           |       | (TCV_PgCh := C_PCH_A_3, TCV_agch := C_AGCH_A_3)                                                                                                        |      |   |          |
| 8                           |       | [TCV_Ccchg=3]                                                                                                                                          |      |   |          |
| 9                           |       | (TCV_PgCh := C_PCH_A_4, TCV_agch := C_AGCH_A_4)                                                                                                        |      |   |          |
| 10                          |       | [cell = C_CellB]                                                                                                                                       |      |   |          |
| 11                          |       | [TCV_Ccchg=0]                                                                                                                                          |      |   |          |
| 12                          |       | (TCV_PgCh := C_PCH_B_1, TCV_agch := C_AGCH_B_1)                                                                                                        |      |   |          |
| 13                          |       | [TCV_Ccchg=1]                                                                                                                                          |      |   |          |
| 14                          |       | (TCV_PgCh := C_PCH_B_2, TCV_agch := C_AGCH_B_2)                                                                                                        |      |   |          |
| 15                          |       | [TCV_Ccchg=2]                                                                                                                                          |      |   |          |
| 16                          |       | (TCV_PgCh := C_PCH_B_3, TCV_agch := C_AGCH_B_3)                                                                                                        |      |   |          |
| 17                          |       | [TCV_Ccchg=3]                                                                                                                                          |      |   |          |
| 18                          |       | (TCV_PgCh := C_PCH_B_4, TCV_agch := C_AGCH_B_4)                                                                                                        |      |   |          |
| 19                          |       | [cell = C_CellC]                                                                                                                                       |      |   |          |
| 20                          |       | [TCV_Ccchg=0]                                                                                                                                          |      |   |          |
| 21                          |       | (TCV_PgCh := C_PCH_C_1, TCV_agch := C_AGCH_C_1)                                                                                                        |      |   |          |
| 22                          |       | [TCV_Ccchg=1]                                                                                                                                          |      |   |          |
| 23                          |       | (TCV_PgCh := C_PCH_C_2, TCV_agch := C_AGCH_C_2)                                                                                                        |      |   |          |
| 24                          |       | [TCV_Ccchg=2]                                                                                                                                          |      |   |          |
| 25                          |       | (TCV_PgCh := C_PCH_C_3, TCV_agch := C_AGCH_C_3)                                                                                                        |      |   |          |
| 26                          |       | [TCV_Ccchg=3]                                                                                                                                          |      |   |          |
| 27                          |       | (TCV_PgCh := C_PCH_C_4, TCV_agch := C_AGCH_C_4)                                                                                                        |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                        |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                 |                     |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------|---------------------|---|----------|
| <b>Test Step Name:</b>      |       | SetupRcvMo(pdu_setup: SETUP_MO_PDU)                                                                                             |                     |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                                                                  |                     |   |          |
| <b>Objective:</b>           |       | To manage Setup Mobile Originated.                                                                                              |                     |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                     |                     |   |          |
| Nr                          | Label | Behaviour Description                                                                                                           | CRef                | V | Comments |
| 1                           |       | L?DL_DatInSetup (TCV_Setup_mo := DL_DatInSetup.msg)                                                                             | SetupRcv(pdu_setup) |   |          |
| 2                           |       | (TCV_TI := TCV_Setup_mo.ti, TCV_TI0 := TCV_TI, TCV_TI.ti_f := '1'B, TCV_CallProc := OC_CallProcGen(TCV_Setup_mo,CallProced_03)) |                     |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                 |                     |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                  |                     |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------|---------------------|---|----------|
| <b>Test Step Name:</b>      |       | SetupRcvMo1(pdu_setup: SETUP_MO_PDU)                                                                                             |                     |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                                                                   |                     |   |          |
| <b>Objective:</b>           |       | To manage Setup Mobile Originated.                                                                                               |                     |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                      |                     |   |          |
| Nr                          | Label | Behaviour Description                                                                                                            | CRef                | V | Comments |
| 1                           |       | L?DL_DatInSetup (TCV_Setup_mo := DL_DatInSetup.msg)                                                                              | SetupRcv(pdu_setup) |   |          |
| 2                           |       | (TCV_TI := TCV_Setup_mo.ti, TCV_TI0 := TCV_TI, TCV_TI.ti_f := '1'B, TCV_CallProc := OC_CallProcGen(TCV_Setup_mo, CallProced_03)) |                     |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                  |                     |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                     |                     |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------|---|----------|
| <b>Test Step Name:</b>      |       | SetupRcvMo2(pdu_setup: SETUP_MO_PDU)                                                                                                |                     |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                                                                      |                     |   |          |
| <b>Objective:</b>           |       | To manage Setup Mobile Originated.                                                                                                  |                     |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                         |                     |   |          |
| Nr                          | Label | Behaviour Description                                                                                                               | CRef                | V | Comments |
| 1                           |       | L?DL_DatInSetup (TCV_Setup_mo := DL_DatInSetup.msg)                                                                                 | SetupRcv(pdu_setup) |   |          |
| 2                           |       | (TCV_TI1 := TCV_Setup_mo.ti, TCV_TI2 := TCV_TI1, TCV_TI2.ti_f := '1'B, TCV_CallProc := OC_CallProcGen(TCV_Setup_mo, CallProced_03)) |                     |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                     |                     |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                |                       |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------|-----------------------|---|----------|
| <b>Test Step Name:</b>      |       | SetupRcvE(pdu_esetup: ESETUP_PDU)                                                                              |                       |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                                                 |                       |   |          |
| <b>Objective:</b>           |       | To manage Setup Mobile Originated.                                                                             |                       |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                    |                       |   |          |
| Nr                          | Label | Behaviour Description                                                                                          | CRef                  | V | Comments |
| 1                           |       | L?DL_DatInESetup (TCV_Esetup := DL_DatInESetup.msg)                                                            | ESetupRcv(pdu_esetup) |   |          |
| 2                           |       | (TCV_TI := TCV_Esetup.ti, TCV_TI0 := TCV_TI, TCV_TI.ti_f := '1'B, TCV_CallProc := OC_CallProcGenE(TCV_Esetup)) |                       |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                |                       |   |          |

| Test Step Dynamic Behaviour |       |                                               |                                        |     |          |
|-----------------------------|-------|-----------------------------------------------|----------------------------------------|-----|----------|
| <b>Test Step Name:</b>      |       | TmsiReallocation(par_mi:MI; lac: OCTETSTRING) |                                        |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                |                                        |     |          |
| <b>Objective:</b>           |       |                                               |                                        |     |          |
| <b>Default:</b>             |       | OtherEventsFail                               |                                        |     |          |
| Nr                          | Label | Behaviour Description                         | CRef                                   | V   | Comments |
| 1                           |       | L!DL_DatRqTmsireCmd                           | TmsiReallocCmd_01(par_mi, TCV_ch, lac) |     |          |
| 2                           |       | L?DL_DatInTmsireCom                           | TmsiReallocCmp_02(TCV_ch)              | (P) |          |
| <b>Detailed Comments:</b>   |       |                                               |                                        |     |          |

| Test Step Dynamic Behaviour |       |                                                                              |      |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Varinit_fixcommon                                                            |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                               |      |   |          |
| <b>Objective:</b>           |       |                                                                              |      |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                              |      |   |          |
| Nr                          | Label | Behaviour Description                                                        | CRef | V | Comments |
| 1                           |       | (TCV_cksn:=TSPX_CKSNDf, TCV_CphKey<br>:=OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef)) |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                              |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                 |      |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Varinit_fixA                                                                                                                                                                                                                                    |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                                                                                                                                                                                  |      |   |          |
| <b>Objective:</b>           |       |                                                                                                                                                                                                                                                 |      |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                 |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                           | CRef | V | Comments |
| 1                           |       | +Varinit_fixcommon                                                                                                                                                                                                                              |      |   |          |
| 2                           |       | (TCV_cellid:= C_CellA, TCV_ch:=<br>OC_SubchOfSdcch4( TSPX_SDCCH4SubDef,<br>C_CellA), TCV_sacch:= OC_SubchOfSacch4(<br>TSPX_SDCCH4SubDef, C_CellA), TCV_PgCh:=<br>C_PCH_A_1, TCV_agch := C_AGCH_A_1,<br>TCV_ia_ts:= '000'B, TCV_lac:= C_lacellA) |      |   |          |
| 3                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                        |      |   |          |
| 4                           |       | (TCV_chdescr_arfcn:= C_arfcnA)                                                                                                                                                                                                                  |      |   |          |
| 5                           |       | [TSPC_DCS]                                                                                                                                                                                                                                      |      |   |          |
| 6                           |       | (TCV_chdescr_arfcn:= C_arfcnAd)                                                                                                                                                                                                                 |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                                 |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                   |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Varinit_fixB                                                                                                                                                                                                                                      |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                                                                                                                                                                                    |      |   |          |
| <b>Objective:</b>           |       |                                                                                                                                                                                                                                                   |      |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                   |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                             | CRef | V | Comments |
| 1                           |       | +Varinit_fixcommon                                                                                                                                                                                                                                |      |   |          |
| 2                           |       | (TCV_cellid:=C_CellB, TCV_ch:=<br>OC_SubchOfSdcch4( TSPX_SDCCH4SubDef,<br>C_CellB), TCV_sacch_B := OC_SubchOfSacch4(<br>TSPX_SDCCH4SubDef, C_CellB), TCV_PgCh:=<br>C_PCH_B_1, TCV_agch := C_AGCH_B_1,<br>TCV_ia_ts:= '000'B, TCV_lac:= C_lacellB) |      |   |          |
| 3                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                          |      |   |          |
| 4                           |       | (TCV_chdescr_arfcn:= C_arfcnB)                                                                                                                                                                                                                    |      |   |          |
| 5                           |       | [TSPC_DCS]                                                                                                                                                                                                                                        |      |   |          |
| 6                           |       | (TCV_chdescr_arfcn:= C_arfcnBd)                                                                                                                                                                                                                   |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                                   |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                   |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | Varinit_fixC                                                                                                                                                                                                                                      |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                                                                                                                                                                                                                    |      |   |          |
| <b>Objective:</b>           |       |                                                                                                                                                                                                                                                   |      |   |          |
| <b>Default:</b>             |       | OtherEventsFail                                                                                                                                                                                                                                   |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                             | CRef | V | Comments |
| 1                           |       | +Varinit_fixcommon                                                                                                                                                                                                                                |      |   |          |
| 2                           |       | (TCV_cellid:=C_CellC, TCV_ch:=<br>OC_SubchOfSdcch4( TSPX_SDCCH4SubDef,<br>C_CellC), TCV_sacch_C := OC_SubchOfSacch4(<br>TSPX_SDCCH4SubDef, C_CellC), TCV_PgCh:=<br>C_PCH_C_1, TCV_agch := C_AGCH_C_1,<br>TCV_ia_ts:= '000'B, TCV_lac:=C_lacCellC) |      |   |          |
| 3                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                          |      |   |          |
| 4                           |       | (TCV_chdescr_arfcn:= C_arfcnC)                                                                                                                                                                                                                    |      |   |          |
| 5                           |       | [TSPC_DCS]                                                                                                                                                                                                                                        |      |   |          |
| 6                           |       | (TCV_chdescr_arfcn:= C_arfcnCd)                                                                                                                                                                                                                   |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                                   |      |   |          |

| Test Step Dynamic Behaviour |       |                                |      |     |          |
|-----------------------------|-------|--------------------------------|------|-----|----------|
| <b>Test Step Name:</b>      |       | Wait(par_int:INTEGER)          |      |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/ |      |     |          |
| <b>Objective:</b>           |       |                                |      |     |          |
| <b>Default:</b>             |       | OtherEventsFail                |      |     |          |
| Nr                          | Label | Behaviour Description          | CRef | V   | Comments |
| 1                           |       | START T_dly(par_int)           |      |     |          |
| 2                           |       | ?TIMEOUT T_dly                 |      | (P) |          |
| <b>Detailed Comments:</b>   |       |                                |      |     |          |

| Test Step Dynamic Behaviour |       |                                                         |      |   |          |
|-----------------------------|-------|---------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | WaitForInService                                        |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                          |      |   |          |
| <b>Objective:</b>           |       | To wait until the MS enters the Idle and updated state. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                             |      |   |          |
| Nr                          | Label | Behaviour Description                                   | CRef | V | Comments |
| 1                           |       | (TCV_Null:=OM_PgFill(TCV_cellid, PgReqTp1Reorg))        |      |   |          |
| 2                           |       | START T_dly(5000)                                       |      |   |          |
| 3                           |       | ?TIMEOUT T_dly                                          |      |   |          |
| 4                           |       | (TCV_Null:=OM_PgFill(TCV_cellid,<br>PgReqTp1Norm))      |      |   |          |
| 5                           |       | (TCV_Res := FALSE)                                      |      |   |          |
| 6                           |       | REPEAT localtree UNTIL [TCV_Res =<br>TRUE]              |      |   |          |
| 7                           |       | <b>localtree</b><br>(TCV_Res := OO_InServiceCHK())      |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                         |      |   |          |



| Test Step Dynamic Behaviour |       |                                                         |      |   |          |
|-----------------------------|-------|---------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | WaitForInService2                                       |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/                          |      |   |          |
| <b>Objective:</b>           |       | To wait until the MS enters the Idle and updated state. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                             |      |   |          |
| Nr                          | Label | Behaviour Description                                   | CRef | V | Comments |
| 1                           |       | (TCV_Res := FALSE)                                      |      |   |          |
| 2                           |       | REPEAT localtree UNTIL [TCV_Res = TRUE]                 |      |   |          |
|                             |       | <b>localtree</b>                                        |      |   |          |
| 3                           |       | (TCV_Res := OO_InServiceCHK())                          |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                         |      |   |          |

| Test Step Dynamic Behaviour |       |                                        |             |   |          |
|-----------------------------|-------|----------------------------------------|-------------|---|----------|
| <b>Test Step Name:</b>      |       | WaitMainLinkDown                       |             |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/         |             |   |          |
| <b>Objective:</b>           |       | To wait until the main link going down |             |   |          |
| <b>Default:</b>             |       | OtherEventsFail                        |             |   |          |
| Nr                          | Label | Behaviour Description                  | CRef        | V | Comments |
| 1                           |       | L?DL_Relln                             | DLRelInd_01 | P |          |
| <b>Detailed Comments:</b>   |       |                                        |             |   |          |

## Test Step Group SysInfo

| Test Step Dynamic Behaviour |       |                                                                                                                                  |                                                                                                                                                                 |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | ChgLAC(neci: INTEGER; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                    |                                                                                                                                                                 |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                           |                                                                                                                                                                 |   |          |
| <b>Objective:</b>           |       | To change the LAC of cell A and set T3212 to 6 minutes                                                                           |                                                                                                                                                                 |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                      |                                                                                                                                                                 |   |          |
| Nr                          | Label | Behaviour Description                                                                                                            | CRef                                                                                                                                                            | V | Comments |
| 1                           |       | (TCV_Tx := '0010'B, TCV_Max := '11'B, TCV_Neci := INT_TO_BIT(neci,1), TCV_Ccd0A := CntrlChDscrp(att, babr, cch_con, bpm, t3212)) |                                                                                                                                                                 |   |          |
| 2                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                         |                                                                                                                                                                 |   |          |
| 3                           |       | LIDL_UdatRqSysinfo4                                                                                                              | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellB, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment)                                        |   |          |
| 4                           |       | LIDL_UdatRqSysinfo6                                                                                                              | SysInfo6_01(TCV_sacch, C_ci_cellA, C_PLMN_1, C_lacellB, CellOpt_01)                                                                                             |   |          |
| 5                           |       | LIDL_UdatRqSysinfo1_nh                                                                                                           | SysInfo1_nh(C_BCH_H_A_1, C_ci_cellA, C_PLMN_1, C_lacellB, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment) |   |          |
| 6                           |       | LIDL_UdatRqSysinfo3                                                                                                              | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellB, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment)     |   |          |
| 7                           |       | [TSPC_DCS]                                                                                                                       |                                                                                                                                                                 |   |          |
| 8                           |       | LIDL_UdatRqSysinfo4                                                                                                              | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellB, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment)                                        |   |          |
| 9                           |       | LIDL_UdatRqSysinfo6                                                                                                              | SysInfo6_01(TCV_sacch, C_ci_cellA, C_PLMN_1, C_lacellB, CellOpt_01)                                                                                             |   |          |
| 10                          |       | LIDL_UdatRqSysinfo1_nh                                                                                                           | SysInfo1_nh(C_BCH_H_A_1, C_ci_cellA, C_PLMN_1, C_lacellB, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment) |   |          |
| 11                          |       | LIDL_UdatRqSysinfo3                                                                                                              | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellB, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment)     |   |          |

|                           |  |  |                                                                                                                                                                       |  |
|---------------------------|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                           |  |  | _1, C_ci_cellA,<br>C_PLMN_1,<br>C_laccellB,<br>TCV_Ccd0A,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvID,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_Restabishment) |  |
| <b>Detailed Comments:</b> |  |  |                                                                                                                                                                       |  |

| <b>Test Step Dynamic Behaviour</b>                                                                             |       |                                                                                                               |                                                                                                                                                                          |   |          |
|----------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b> ChgLAC_A(par_octet:OCTETSTRING; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING) |       |                                                                                                               |                                                                                                                                                                          |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                           |       |                                                                                                               |                                                                                                                                                                          |   |          |
| <b>Objective:</b> To change the LAC of cell A and of System Information Messages according to used testcase.   |       |                                                                                                               |                                                                                                                                                                          |   |          |
| <b>Default:</b> OtherEvents                                                                                    |       |                                                                                                               |                                                                                                                                                                          |   |          |
| Nr                                                                                                             | Label | Behaviour Description                                                                                         | CRef                                                                                                                                                                     | V | Comments |
| 1                                                                                                              |       | (TCV_Ccd0A := CntrlChDscrp(att, babr, cch_con, bpm, t3212))                                                   |                                                                                                                                                                          |   |          |
| 2                                                                                                              |       | LIDL_UdatRqSysinfo6<br>(DL_UdatRqSysinfo6.msg.lai.mnc := '02'O,<br>DL_UdatRqSysinfo6.msg.lai.lac :=par_octet) | SysInfo6_MM(TCV_s<br>acch, C_ci_cellA,<br>LocAreaId_31(C_lacc<br>ellA), CellOpt_01)                                                                                      |   |          |
| 3                                                                                                              |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                      |                                                                                                                                                                          |   |          |
| 4                                                                                                              |       | LIDL_UdatRqSysinfo4<br>(DL_UdatRqSysinfo4.msg.lai.mnc := '02'O,<br>DL_UdatRqSysinfo4.msg.lai.lac :=par_octet) | SysInfo4_MM(C_BCC<br>H_A_1,<br>LocAreaId_31(C_lacc<br>ellA), CellSelPara_01,<br>RachCntrlPara_r01)                                                                       |   |          |
| 5                                                                                                              |       | LIDL_UdatRqSysinfo3<br>(DL_UdatRqSysinfo3.msg.lai.mnc := '02'O,<br>DL_UdatRqSysinfo3.msg.lai.lac :=par_octet) | SysInfo3_MM(C_BCC<br>H_A_1, C_ci_cellA,<br>LocAreaId_31(C_lacc<br>ellA),<br>CntrlChDscrp(att,<br>babr, cch_con, bpm,<br>t3212),<br>CellSelPara_01,<br>RachCntrlPara_r01) |   |          |
| 6                                                                                                              |       | [TSPC_DCS]                                                                                                    |                                                                                                                                                                          |   |          |
| 7                                                                                                              |       | LIDL_UdatRqSysinfo4<br>(DL_UdatRqSysinfo4.msg.lai.mnc := '02'O,<br>DL_UdatRqSysinfo4.msg.lai.lac :=par_octet) | SysInfo4_MM(C_BCC<br>H_A_1,<br>LocAreaId_31(C_lacc<br>ellA), CellSelPara_04,<br>RachCntrlPara_r01)                                                                       |   |          |
| 8                                                                                                              |       | LIDL_UdatRqSysinfo3<br>(DL_UdatRqSysinfo3.msg.lai.mnc := '02'O,<br>DL_UdatRqSysinfo3.msg.lai.lac :=par_octet) | SysInfo3_MM(C_BCC<br>H_A_1, C_ci_cellA,<br>LocAreaId_31(C_lacc<br>ellA),<br>CntrlChDscrp(att,<br>babr, cch_con, bpm,<br>t3212),<br>CellSelPara_04,<br>RachCntrlPara_r01) |   |          |
| <b>Detailed Comments:</b>                                                                                      |       |                                                                                                               |                                                                                                                                                                          |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                               |                                                                                                                                                                          |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | ChgLAC_B(par_octet:OCTETSTRING; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                       |                                                                                                                                                                          |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                        |                                                                                                                                                                          |   |          |
| <b>Objective:</b>           |       | To change the LAC of cell B and of System Information Messages according to used testcase.                    |                                                                                                                                                                          |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                   |                                                                                                                                                                          |   |          |
| Nr                          | Label | Behaviour Description                                                                                         | CRef                                                                                                                                                                     | V | Comments |
| 1                           |       | (TCV_Ccd0B := CntrlChDscrp(att, babr, cch_con, bpm, t3212))                                                   |                                                                                                                                                                          |   |          |
| 2                           |       | L!DL_UdatRqSysinfo6<br>(DL_UdatRqSysinfo6.msg.lai.mnc := '02'O,<br>DL_UdatRqSysinfo6.msg.lai.lac :=par_octet) | SysInfo6_MM(TCV_s<br>acch_B, C_ci_cellB,<br>LocAreaId_31(C_lacc<br>ellB), CellOpt_01)                                                                                    |   |          |
| 3                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                      |                                                                                                                                                                          |   |          |
| 4                           |       | L!DL_UdatRqSysinfo4<br>(DL_UdatRqSysinfo4.msg.lai.mnc := '02'O,<br>DL_UdatRqSysinfo4.msg.lai.lac :=par_octet) | SysInfo4_MM(C_BCC<br>H_B_1,<br>LocAreaId_31(C_lacc<br>ellB), CellSelPara_01,<br>RachCntrlPara_r01)                                                                       |   |          |
| 5                           |       | L!DL_UdatRqSysinfo3<br>(DL_UdatRqSysinfo3.msg.lai.mnc := '02'O,<br>DL_UdatRqSysinfo3.msg.lai.lac :=par_octet) | SysInfo3_MM(C_BCC<br>H_B_1, C_ci_cellB,<br>LocAreaId_31(C_lacc<br>ellB),<br>CntrlChDscrp(att,<br>babr, cch_con, bpm,<br>t3212),<br>CellSelPara_01,<br>RachCntrlPara_r01) |   |          |
| 6                           |       | [TSPC_DCS]                                                                                                    |                                                                                                                                                                          |   |          |
| 7                           |       | L!DL_UdatRqSysinfo4<br>(DL_UdatRqSysinfo4.msg.lai.mnc := '02'O,<br>DL_UdatRqSysinfo4.msg.lai.lac :=par_octet) | SysInfo4_MM(C_BCC<br>H_B_1,<br>LocAreaId_31(C_lacc<br>ellB), CellSelPara_04,<br>RachCntrlPara_r01)                                                                       |   |          |
| 8                           |       | L!DL_UdatRqSysinfo3<br>(DL_UdatRqSysinfo3.msg.lai.mnc := '02'O,<br>DL_UdatRqSysinfo3.msg.lai.lac :=par_octet) | SysInfo3_MM(C_BCC<br>H_B_1, C_ci_cellB,<br>LocAreaId_31(C_lacc<br>ellB),<br>CntrlChDscrp(att,<br>babr, cch_con, bpm,<br>t3212),<br>CellSelPara_04,<br>RachCntrlPara_r01) |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                               |                                                                                                                                                                          |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                    |                                                                                                                                                               |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | ChgLAI_C(par_mnc:OCTETSTRING; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                              |                                                                                                                                                               |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                             |                                                                                                                                                               |   |          |
| <b>Objective:</b>           |       | To change the LAI of cell C to HPLMN.                                                                              |                                                                                                                                                               |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                        |                                                                                                                                                               |   |          |
| Nr                          | Label | Behaviour Description                                                                                              | CRef                                                                                                                                                          | V | Comments |
| 1                           |       | (TCV_Tx := '0010'B, TCV_Max := '11'B, TCV_Neci := '0'B, TCV_Ccd0C := CntrlChDscrp(att, babr, cch_con, bpm, t3212)) |                                                                                                                                                               |   |          |
| 2                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                           |                                                                                                                                                               |   |          |
| 3                           |       | LIDL_UdatRqSysinfo4                                                                                                | SysInfo4(C_BCCH_C_1, par_mnc, C_lacellC, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noReestablishment)                                    |   |          |
| 4                           |       | LIDL_UdatRqSysinfo6                                                                                                | SysInfo6_01(TCV_sa cch_C, C_ci_cellC, par_mnc, C_lacellC, CellOpt_01)                                                                                         |   |          |
| 5                           |       | LIDL_UdatRqSysinfo3                                                                                                | SysInfo3(C_BCCH_C_1, C_ci_cellC, par_mnc, C_lacellC, TCV_Ccd0C, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noReestablishment) |   |          |
| 6                           |       | [TSPC_DCS]                                                                                                         |                                                                                                                                                               |   |          |
| 7                           |       | LIDL_UdatRqSysinfo4                                                                                                | SysInfo4(C_BCCH_C_1, par_mnc, C_lacellC, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noReestablishment)                                    |   |          |
| 8                           |       | LIDL_UdatRqSysinfo6                                                                                                | SysInfo6_01(TCV_sa cch_C, C_ci_cellC, par_mnc, C_lacellC, CellOpt_01)                                                                                         |   |          |
| 9                           |       | LIDL_UdatRqSysinfo3                                                                                                | SysInfo3(C_BCCH_C_1, C_ci_cellC, par_mnc, C_lacellC, TCV_Ccd0C, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noReestablishment) |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                    |                                                                                                                                                               |   |          |

| Test Step Dynamic Behaviour |                                              |                                                                                                                                                                                                                                                                                                                                                                                                        |                                                             |            |          |
|-----------------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|------------|----------|
| <b>Test Step Name:</b>      |                                              | SysInfoSending_MM_A(bcchfl: NCD; ci: CI; lai: LAI; ccd: CCD; csp: CSP; cchd: CCHD; rachcpar: RACHCP)                                                                                                                                                                                                                                                                                                   |                                                             |            |          |
| <b>Group:</b>               |                                              | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                                                                                                                                                                                                                                                                                                 |                                                             |            |          |
| <b>Objective:</b>           |                                              | To send system information messages for the L3 tests. The following parameters specified by input parameters:<br>- bcch: BCCH<br>- sacch: SACCH<br>- bcchfl: BCCH frequency list<br>- ci: Cell identity<br>- lai: Location area identification<br>- ccd: Control channel description<br>- csp: Cell selection parameters<br>- cchd: Cell channel description<br>- rachcpar: RACH controll parameterers |                                                             |            |          |
| <b>Default:</b>             |                                              | OtherEvents                                                                                                                                                                                                                                                                                                                                                                                            |                                                             |            |          |
| Nr                          | Label                                        | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                  | CRef                                                        | V          | Comments |
| 1                           |                                              | L!DL_UdatRqSysinfo1                                                                                                                                                                                                                                                                                                                                                                                    | SysInfo1_MM(C_BCC<br>H_A_1, cchd,<br>rachcpar)              |            |          |
| 2                           |                                              | L!DL_UdatRqSysinfo2                                                                                                                                                                                                                                                                                                                                                                                    | SysInfo2_MM(C_BCC<br>H_A_1, bcchfl,<br>rachcpar)            |            |          |
| 3                           |                                              | L!DL_UdatRqSysinfo3                                                                                                                                                                                                                                                                                                                                                                                    | SysInfo3_MM(C_BCC<br>H_A_1, ci, lai, ccd,<br>csp, rachcpar) |            |          |
| 4                           |                                              | (TCV_Ccd0A:=ccd)                                                                                                                                                                                                                                                                                                                                                                                       |                                                             |            |          |
| 5                           |                                              | +localtree                                                                                                                                                                                                                                                                                                                                                                                             |                                                             |            |          |
| 6                           |                                              | <b>localtree</b><br>L!DL_UdatRqSysinfo4                                                                                                                                                                                                                                                                                                                                                                | SysInfo4_MM(C_BCC<br>H_A_1, lai, csp,<br>rachcpar)          |            |          |
| 7                           |                                              | (TCV_sysinfo5 := SysInf5_MM(bcchfl))                                                                                                                                                                                                                                                                                                                                                                   |                                                             |            |          |
| 8                           |                                              | (TCV_sysinfo6 := SysInf6_MM(ci, lai,<br>CellOpt_01))                                                                                                                                                                                                                                                                                                                                                   |                                                             |            |          |
| <b>Detailed Comments:</b>   |                                              | Default values/constraints for the parameters acc. to the default values indicated for the test cases/groups in GSM 11.10 (in case other values have to be used for specific test cases, which differ from the default values, other constraints have to be used for the parameters):                                                                                                                  |                                                             |            |          |
| MM test cases, GSM:         |                                              |                                                                                                                                                                                                                                                                                                                                                                                                        |                                                             |            |          |
|                             |                                              | Cell A/GSM                                                                                                                                                                                                                                                                                                                                                                                             | Cell B/GSM                                                  | Cell C/GSM |          |
| bcch                        | C_BCCH_A_1                                   | C_BCCH_B_1                                                                                                                                                                                                                                                                                                                                                                                             | C_BCCH_C_1                                                  |            |          |
| sacch                       | C_SACCH_A                                    | C_SACCH_B                                                                                                                                                                                                                                                                                                                                                                                              | C_SACCH_C                                                   |            |          |
| bcchfl                      | BcchFreqLst_01<br>BcchFreqLst_03 (*)         | BcchFreqLst_01                                                                                                                                                                                                                                                                                                                                                                                         | BcchFreqLst_01                                              |            |          |
| ci                          | C_ci_cellA                                   | C_ci_cellB                                                                                                                                                                                                                                                                                                                                                                                             | C_ci_cellC                                                  |            |          |
| lai                         | LocAreald_01                                 | LocAreald_02                                                                                                                                                                                                                                                                                                                                                                                           | t.b.d.                                                      |            |          |
| ccd                         | CntrlChDscrp_01<br>CntrlChDscrp_02 (**)      | CntrlChDscrp_01<br>CntrlChDscrp_02 (**)                                                                                                                                                                                                                                                                                                                                                                | CntrlChDscrp_01<br>CntrlChDscrp_02 (**)                     |            |          |
| csp                         | CellSelPara_01                               | CellSelPara_01                                                                                                                                                                                                                                                                                                                                                                                         | CellSelPara_01                                              |            |          |
| cchd                        | CellChDes_02                                 | CellChDes_03                                                                                                                                                                                                                                                                                                                                                                                           | CellChDes_04                                                |            |          |
| rachcp                      | RachCntrlPara_r_01<br>RachCntrlPara_01 (***) | RachCntrlPara_r_01<br>RachCntrlPara_01 (***)                                                                                                                                                                                                                                                                                                                                                           | RachCntrlPara_r_01<br>RachCntrlPara_01 (***)                |            |          |

MM test cases, DCS:

|        | Cell A/DCS                                   | Cell B/DCS                                   | Cell C/DCS                                   |
|--------|----------------------------------------------|----------------------------------------------|----------------------------------------------|
| bcch   | C_BCCH_A_1                                   | C_BCCH_B_1                                   | C_BCCH_C_1                                   |
| sacch  | C_SACCH_A                                    | C_SACCH_B                                    | C_SACCH_C                                    |
| bcchfl | BcchFreqLst_03<br>BcchFreqLst_04 (*)         | BcchFreqLst_03                               | BcchFreqLst_03                               |
| ci     | C_ci_cellA                                   | C_ci_cellB                                   | C_ci_cellC                                   |
| lai    | LocAreald_01                                 | LocAreald_02                                 | t.b.d.                                       |
| ccd    | CntrlChDscrp_01<br>CntrlChDscrp_02 (**)      | CntrlChDscrp_01<br>CntrlChDscrp_02 (**)      | CntrlChDscrp_01<br>CntrlChDscrp_02 (**)      |
| csp    | CellSelPara_04                               | CellSelPara_04                               | CellSelPara_04                               |
| cchd   | t.b.d.                                       | t.b.d.                                       | t.b.d.                                       |
| rachcp | RachCntrlPara_r_01<br>RachCntrlPara_01 (***) | RachCntrlPara_r_01<br>RachCntrlPara_01 (***) | RachCntrlPara_r_01<br>RachCntrlPara_01 (***) |

(\*) If TSPX\_AltNb == TRUE

(\*\*) CCCH not combined with SDCCH

(\*\*\*) General in layer 3 test cases, but not in MM, RR, ...

| Test Step Dynamic Behaviour |                                              |                                                                                                                                                                                                                                                                                                                                                                                                        |                                                             |            |          |
|-----------------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|------------|----------|
| <b>Test Step Name:</b>      |                                              | SysInfoSending_MM_B(bcchfl: NCD; ci: CI; lai: LAI; ccd: CCD; csp: CSP; cchd: CCHD; rachcpar: RACHCP)                                                                                                                                                                                                                                                                                                   |                                                             |            |          |
| <b>Group:</b>               |                                              | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                                                                                                                                                                                                                                                                                                 |                                                             |            |          |
| <b>Objective:</b>           |                                              | To send system information messages for the L3 tests. The following parameters specified by input parameters:<br>- bcch: BCCH<br>- sacch: SACCH<br>- bcchfl: BCCH frequency list<br>- ci: Cell identity<br>- lai: Location area identification<br>- ccd: Control channel description<br>- csp: Cell selection parameters<br>- cchd: Cell channel description<br>- rachcpar: RACH controll parameterers |                                                             |            |          |
| <b>Default:</b>             |                                              | OtherEvents                                                                                                                                                                                                                                                                                                                                                                                            |                                                             |            |          |
| Nr                          | Label                                        | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                  | CRef                                                        | V          | Comments |
| 1                           |                                              | L!DL_UdatRqSysinfo1                                                                                                                                                                                                                                                                                                                                                                                    | SysInfo1_MM(C_BCC<br>H_B_1, cchd,<br>rachcpar)              |            |          |
| 2                           |                                              | L!DL_UdatRqSysinfo2                                                                                                                                                                                                                                                                                                                                                                                    | SysInfo2_MM(C_BCC<br>H_B_1, bcchfl,<br>rachcpar)            |            |          |
| 3                           |                                              | L!DL_UdatRqSysinfo3                                                                                                                                                                                                                                                                                                                                                                                    | SysInfo3_MM(C_BCC<br>H_B_1, ci, lai, ccd,<br>csp, rachcpar) |            |          |
| 4                           |                                              | (TCV_Ccd0B:=ccd)                                                                                                                                                                                                                                                                                                                                                                                       |                                                             |            |          |
| 5                           |                                              | +localtree                                                                                                                                                                                                                                                                                                                                                                                             |                                                             |            |          |
| 6                           |                                              | <b>localtree</b><br>L!DL_UdatRqSysinfo4                                                                                                                                                                                                                                                                                                                                                                | SysInfo4_MM(C_BCC<br>H_B_1, lai, csp,<br>rachcpar)          |            |          |
| 7                           |                                              | (TCV_sysinfo5_B := SysInf5_MM(bcchfl))                                                                                                                                                                                                                                                                                                                                                                 |                                                             |            |          |
| 8                           |                                              | (TCV_sysinfo6_B := SysInf6_MM(ci, lai,<br>CellOpt_01))                                                                                                                                                                                                                                                                                                                                                 |                                                             |            |          |
| <b>Detailed Comments:</b>   |                                              | Default values/constraints for the parameters acc. to the default values indicated for the test cases/groups in GSM 11.10 (in case other values have to be used for specific test cases, which differ from the default values, other constraints have to be used for the parameters):<br><br>MM test cases, GSM:                                                                                       |                                                             |            |          |
|                             |                                              | Cell A/GSM                                                                                                                                                                                                                                                                                                                                                                                             | Cell B/GSM                                                  | Cell C/GSM |          |
| bcch                        | C_BCCH_A_1                                   | C_BCCH_B_1                                                                                                                                                                                                                                                                                                                                                                                             | C_BCCH_C_1                                                  |            |          |
| sacch                       | C_SACCH_A                                    | C_SACCH_B                                                                                                                                                                                                                                                                                                                                                                                              | C_SACCH_C                                                   |            |          |
| bcchfl                      | BcchFreqLst_01<br>BcchFreqLst_03 (*)         | BcchFreqLst_01                                                                                                                                                                                                                                                                                                                                                                                         | BcchFreqLst_01                                              |            |          |
| ci                          | C_ci_cellA                                   | C_ci_cellB                                                                                                                                                                                                                                                                                                                                                                                             | C_ci_cellC                                                  |            |          |
| lai                         | LocAreald_01                                 | LocAreald_02                                                                                                                                                                                                                                                                                                                                                                                           | t.b.d.                                                      |            |          |
| ccd                         | CntrlChDscrp_01<br>CntrlChDscrp_02 (**)      | CntrlChDscrp_01<br>CntrlChDscrp_02 (**)                                                                                                                                                                                                                                                                                                                                                                | CntrlChDscrp_01<br>CntrlChDscrp_02 (**)                     |            |          |
| csp                         | CellSelPara_01                               | CellSelPara_01                                                                                                                                                                                                                                                                                                                                                                                         | CellSelPara_01                                              |            |          |
| cchd                        | CellChDes_02                                 | CellChDes_03                                                                                                                                                                                                                                                                                                                                                                                           | CellChDes_04                                                |            |          |
| rachcp                      | RachCntrlPara_r_01<br>RachCntrlPara_01 (***) | RachCntrlPara_r_01<br>RachCntrlPara_01 (***)                                                                                                                                                                                                                                                                                                                                                           | RachCntrlPara_r_01<br>RachCntrlPara_01 (***)                |            |          |



MM test cases, DCS:

|        | Cell A/DCS                                   | Cell B/DCS                                   | Cell C/DCS                                   |
|--------|----------------------------------------------|----------------------------------------------|----------------------------------------------|
| bcch   | C_BCCH_A_1                                   | C_BCCH_B_1                                   | C_BCCH_C_1                                   |
| sacch  | C_SACCH_A                                    | C_SACCH_B                                    | C_SACCH_C                                    |
| bcchfl | BcchFreqLst_03<br>BcchFreqLst_04 (*)         | BcchFreqLst_03                               | BcchFreqLst_03                               |
| ci     | C_ci_cellA                                   | C_ci_cellB                                   | C_ci_cellC                                   |
| lai    | LocAreald_01                                 | LocAreald_02                                 | t.b.d.                                       |
| ccd    | CntrlChDscrp_01<br>CntrlChDscrp_02 (**)      | CntrlChDscrp_01<br>CntrlChDscrp_02 (**)      | CntrlChDscrp_01<br>CntrlChDscrp_02 (**)      |
| csp    | CellSelPara_04                               | CellSelPara_04                               | CellSelPara_04                               |
| cchd   | t.b.d.                                       | t.b.d.                                       | t.b.d.                                       |
| rachcp | RachCntrlPara_r_01<br>RachCntrlPara_01 (***) | RachCntrlPara_r_01<br>RachCntrlPara_01 (***) | RachCntrlPara_r_01<br>RachCntrlPara_01 (***) |

(\*) If TSPX\_AltNb == TRUE

(\*\*) CCCH not combined with SDCCH

(\*\*\*) General in layer 3 test cases, but not in MM, RR, ...

| Test Step Dynamic Behaviour |                                              |                                                                                                                                                                                                                                                                                                                                                                                                        |                                                             |            |          |
|-----------------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|------------|----------|
| <b>Test Step Name:</b>      |                                              | SysInfoSending_MM_C(bcchfl: NCD; ci: CI; lai: LAI; ccd: CCD; csp: CSP; cchd: CCHD; rachcpar: RACHCP)                                                                                                                                                                                                                                                                                                   |                                                             |            |          |
| <b>Group:</b>               |                                              | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                                                                                                                                                                                                                                                                                                 |                                                             |            |          |
| <b>Objective:</b>           |                                              | To send system information messages for the L3 tests. The following parameters specified by input parameters:<br>- bcch: BCCH<br>- sacch: SACCH<br>- bcchfl: BCCH frequency list<br>- ci: Cell identity<br>- lai: Location area identification<br>- ccd: Control channel description<br>- csp: Cell selection parameters<br>- cchd: Cell channel description<br>- rachcpar: RACH controll parameterers |                                                             |            |          |
| <b>Default:</b>             |                                              | OtherEvents                                                                                                                                                                                                                                                                                                                                                                                            |                                                             |            |          |
| Nr                          | Label                                        | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                  | CRef                                                        | V          | Comments |
| 1                           |                                              | L!DL_UdatRqSysinfo1                                                                                                                                                                                                                                                                                                                                                                                    | SysInfo1_MM(C_BCC<br>H_C_1, cchd,<br>rachcpar)              |            |          |
| 2                           |                                              | L!DL_UdatRqSysinfo2                                                                                                                                                                                                                                                                                                                                                                                    | SysInfo2_MM(C_BCC<br>H_C_1, bcchfl,<br>rachcpar)            |            |          |
| 3                           |                                              | L!DL_UdatRqSysinfo3                                                                                                                                                                                                                                                                                                                                                                                    | SysInfo3_MM(C_BCC<br>H_C_1, ci, lai, ccd,<br>csp, rachcpar) |            |          |
| 4                           |                                              | (TCV_Ccd0C:=ccd)                                                                                                                                                                                                                                                                                                                                                                                       |                                                             |            |          |
| 5                           |                                              | +localtree                                                                                                                                                                                                                                                                                                                                                                                             |                                                             |            |          |
| 6                           |                                              | <b>localtree</b><br>L!DL_UdatRqSysinfo4                                                                                                                                                                                                                                                                                                                                                                | SysInfo4_MM(C_BCC<br>H_C_1, lai, csp,<br>rachcpar)          |            |          |
| 7                           |                                              | (TCV_sysinfo5_C := SysInf5_MM(bcchfl))                                                                                                                                                                                                                                                                                                                                                                 |                                                             |            |          |
| 8                           |                                              | (TCV_sysinfo6_C := SysInf6_MM(ci, lai,<br>CellOpt_01))                                                                                                                                                                                                                                                                                                                                                 |                                                             |            |          |
| <b>Detailed Comments:</b>   |                                              | Default values/constraints for the parameters acc. to the default values indicated for the test cases/groups in GSM 11.10 (in case other values have to be used for specific test cases, which differ from the default values, other constraints have to be used for the parameters):<br><br>MM test cases, GSM:                                                                                       |                                                             |            |          |
|                             |                                              | Cell A/GSM                                                                                                                                                                                                                                                                                                                                                                                             | Cell B/GSM                                                  | Cell C/GSM |          |
| bcch                        | C_BCCH_A_1                                   | C_BCCH_B_1                                                                                                                                                                                                                                                                                                                                                                                             | C_BCCH_C_1                                                  |            |          |
| sacch                       | C_SACCH_A                                    | C_SACCH_B                                                                                                                                                                                                                                                                                                                                                                                              | C_SACCH_C                                                   |            |          |
| bcchfl                      | BcchFreqLst_01<br>BcchFreqLst_03 (*)         | BcchFreqLst_01                                                                                                                                                                                                                                                                                                                                                                                         | BcchFreqLst_01                                              |            |          |
| ci                          | C_ci_cellA                                   | C_ci_cellB                                                                                                                                                                                                                                                                                                                                                                                             | C_ci_cellC                                                  |            |          |
| lai                         | LocAreald_01                                 | LocAreald_02                                                                                                                                                                                                                                                                                                                                                                                           | t.b.d.                                                      |            |          |
| ccd                         | CntrlChDscrp_01<br>CntrlChDscrp_02 (**)      | CntrlChDscrp_01<br>CntrlChDscrp_02 (**)                                                                                                                                                                                                                                                                                                                                                                | CntrlChDscrp_01<br>CntrlChDscrp_02 (**)                     |            |          |
| csp                         | CellSelPara_01                               | CellSelPara_01                                                                                                                                                                                                                                                                                                                                                                                         | CellSelPara_01                                              |            |          |
| cchd                        | CellChDes_02                                 | CellChDes_03                                                                                                                                                                                                                                                                                                                                                                                           | CellChDes_04                                                |            |          |
| rachcpar                    | RachCntrlPara_r_01<br>RachCntrlPara_01 (***) | RachCntrlPara_r_01<br>RachCntrlPara_01 (***)                                                                                                                                                                                                                                                                                                                                                           | RachCntrlPara_r_01<br>RachCntrlPara_01 (***)                |            |          |

MM test cases, DCS:

|        | Cell A/DCS                                   | Cell B/DCS                                   | Cell C/DCS                                   |
|--------|----------------------------------------------|----------------------------------------------|----------------------------------------------|
| bcch   | C_BCCH_A_1                                   | C_BCCH_B_1                                   | C_BCCH_C_1                                   |
| sacch  | C_SACCH_A                                    | C_SACCH_B                                    | C_SACCH_C                                    |
| bcchfl | BcchFreqLst_03<br>BcchFreqLst_04 (*)         | BcchFreqLst_03                               | BcchFreqLst_03                               |
| ci     | C_ci_cellA                                   | C_ci_cellB                                   | C_ci_cellC                                   |
| lai    | LocAreald_01                                 | LocAreald_02                                 | t.b.d.                                       |
| ccd    | CntrlChDscrp_01<br>CntrlChDscrp_02 (**)      | CntrlChDscrp_01<br>CntrlChDscrp_02 (**)      | CntrlChDscrp_01<br>CntrlChDscrp_02 (**)      |
| csp    | CellSelPara_04                               | CellSelPara_04                               | CellSelPara_04                               |
| cchd   | t.b.d.                                       | t.b.d.                                       | t.b.d.                                       |
| rachcp | RachCntrlPara_r_01<br>RachCntrlPara_01 (***) | RachCntrlPara_r_01<br>RachCntrlPara_01 (***) | RachCntrlPara_r_01<br>RachCntrlPara_01 (***) |

(\*) If TSPX\_AltNb == TRUE

(\*\*) CCCH not combined with SDCCH

(\*\*\*) General in layer 3 test cases, but not in MM, RR, ...

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                 |                                                                                                                                                                 |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | SysInfoSending_01(t, retr, att, neci:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                                                                        |                                                                                                                                                                 |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                                                                                                                                          |                                                                                                                                                                 |   |          |
| <b>Objective:</b>           |       | To send system information messages with default parameters defined for the L3 tests for which no special parameters indicated. The following parameters specified by input parameters:<br>- Tx-Integer;<br>- Max-Retrans;<br>- ATT;<br>- NECI. |                                                                                                                                                                 |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                     |                                                                                                                                                                 |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                           | CRef                                                                                                                                                            | V | Comments |
| 1                           |       | (TCV_Tx := OC_CnvtTx(t), TCV_Max := OC_CnvtMax(retr), TCV_Neci := INT_TO_BIT(neci,1), TCV_Ccd0A := CntrlChDscrp(att, babr, cch_con, bpm, t3212))                                                                                                |                                                                                                                                                                 |   |          |
| 2                           |       | (TCV_sysinfo6 := SysInf6(C_ci_cellA, C_PLMN_1, C_lacellA, CellOpt_01))                                                                                                                                                                          |                                                                                                                                                                 |   |          |
| 3                           |       | LIDL_UdatRqSchinfo                                                                                                                                                                                                                              | SyncInfo(C_SCH_A)                                                                                                                                               |   |          |
| 4                           |       | +gsmOrDcs                                                                                                                                                                                                                                       |                                                                                                                                                                 |   |          |
|                             |       | <b>gsmOrDcs</b>                                                                                                                                                                                                                                 |                                                                                                                                                                 |   |          |
| 5                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                        |                                                                                                                                                                 |   | 1.       |
| 6                           |       | LIDL_UdatRqSysinfo4                                                                                                                                                                                                                             | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment)                                        |   |          |
| 7                           |       | LIDL_UdatRqSysinfo1_nh                                                                                                                                                                                                                          | SysInfo1_nh(C_BCH_H_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment) |   |          |
| 8                           |       | LIDL_UdatRqSysinfo3                                                                                                                                                                                                                             | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment)     |   |          |
| 9                           |       | [TSPX_AltNb = TRUE]                                                                                                                                                                                                                             |                                                                                                                                                                 |   | 3.       |
| 10                          |       | LIDL_UdatRqSysinfo2                                                                                                                                                                                                                             | SysInfo2(C_BCCH_A_1, BchFreqLst_02, TCV_Max, TCV_Tx, C_Restablishment)                                                                                          |   |          |
| 11                          |       | (TCV_sysinfo5 := SysInf5(BcchFreqLst_02))                                                                                                                                                                                                       |                                                                                                                                                                 |   |          |
| 12                          |       | [TSPX_AltNb = FALSE]                                                                                                                                                                                                                            |                                                                                                                                                                 |   | 4.       |
| 13                          |       | LIDL_UdatRqSysinfo2                                                                                                                                                                                                                             | SysInfo2(C_BCCH_A_1, BcchFreqLst_45, TCV_Max, TCV_Tx, C_Restablishment)                                                                                         |   |          |
| 14                          |       | (TCV_sysinfo5 := SysInf5(BcchFreqLst_45))                                                                                                                                                                                                       |                                                                                                                                                                 |   |          |
| 15                          |       | [TSPC_DCS]                                                                                                                                                                                                                                      |                                                                                                                                                                 |   | 2.       |
| 16                          |       | LIDL_UdatRqSysinfo4                                                                                                                                                                                                                             | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvID,                                                                                     |   |          |

|                                                                                                                                                                                                                                                             |                                           |                                                                                                                                                                                                              |    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 17                                                                                                                                                                                                                                                          | LIDL_UdatRqSysinfo1_nh                    | TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment) SysInfo1_nh(C_BCC H_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment) |    |
| 18                                                                                                                                                                                                                                                          | LIDL_UdatRqSysinfo3                       | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment)                                                  |    |
| 19                                                                                                                                                                                                                                                          | [TSPX_AltNb = TRUE]                       |                                                                                                                                                                                                              |    |
| 20                                                                                                                                                                                                                                                          | LIDL_UdatRqSysinfo2                       | SysInfo2(C_BCCH_A_1, BcchFreqLst_04, TCV_Max, TCV_Tx, C_Restablishment)                                                                                                                                      | 3. |
| 21                                                                                                                                                                                                                                                          | (TCV_sysinfo5 := SysInf5(BcchFreqLst_04)) |                                                                                                                                                                                                              |    |
| 22                                                                                                                                                                                                                                                          | [TSPX_AltNb = FALSE]                      |                                                                                                                                                                                                              |    |
| 23                                                                                                                                                                                                                                                          | LIDL_UdatRqSysinfo2                       | SysInfo2(C_BCCH_A_1, BcchFreqLst_03, TCV_Max, TCV_Tx, C_Restablishment)                                                                                                                                      | 4. |
| 24                                                                                                                                                                                                                                                          | (TCV_sysinfo5 := SysInf5(BcchFreqLst_03)) |                                                                                                                                                                                                              |    |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                   |                                           |                                                                                                                                                                                                              |    |
| <ol style="list-style-type: none"> <li>1. For GSM900 mobile station testing.</li> <li>2. For DCS1800 mobile station testing.</li> <li>3. To use alternative neighbour cells description.</li> <li>4. To use default neighbour cells description.</li> </ol> |                                           |                                                                                                                                                                                                              |    |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                            |                                                                                                                                                               |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | SysInfoSending_r1(t: INTEGER; retr:INTEGER; att: INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                       |                                                                                                                                                               |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                                                                                                     |                                                                                                                                                               |   |          |
| <b>Objective:</b>           |       | To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages with default parameters defined for RR test except CCCH_CONF, Tx-integer, Max-Retrans which are specified by input parameters. |                                                                                                                                                               |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                |                                                                                                                                                               |   |          |
| <b>Comments:</b>            |       | The values of SYSTEM INFORMATION messages are also controlled by another test suite parameters, TSPC_GSM and TSPC_DCS.                                                                                     |                                                                                                                                                               |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                      | CRef                                                                                                                                                          | V | Comments |
| 1                           |       | (TCV_Tx := OC_CnvtTx(t), TCV_Max := OC_CnvtMax(retr), TCV_Neci := '0'B, TCV_Ccd0A := CntrlChDscrp(att, babr, cch_con, bpm, t3212))                                                                         |                                                                                                                                                               |   |          |
| 2                           |       | LIDL_UdatRqSchinfo                                                                                                                                                                                         | SyncInfo(C_SCH_A)                                                                                                                                             |   | 1.       |
| 3                           |       | (TCV_sysinfo6 := SysInf6(C_ci_cellA, C_PLMN_1, C_lacellA, CellOpt_01))                                                                                                                                     |                                                                                                                                                               |   |          |
| 4                           |       | +gsmOrDcs                                                                                                                                                                                                  |                                                                                                                                                               |   |          |
|                             |       | <b>gsmOrDcs</b>                                                                                                                                                                                            |                                                                                                                                                               |   |          |
| 5                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                   |                                                                                                                                                               |   | 3.       |
| 6                           |       | LIDL_UdatRqSysinfo1                                                                                                                                                                                        | SysInfo1(C_BCCH_A_1, CellChDes_02, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                       |   |          |
| 7                           |       | LIDL_UdatRqSysinfo2                                                                                                                                                                                        | SysInfo2(C_BCCH_A_1, BcchFreqLst_01, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                     |   |          |
| 8                           |       | LIDL_UdatRqSysinfo4                                                                                                                                                                                        | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 9                           |       | (TCV_sysinfo5 := SysInf5(BcchFreqLst_01))                                                                                                                                                                  |                                                                                                                                                               |   |          |
| 10                          |       | LIDL_UdatRqSysinfo3                                                                                                                                                                                        | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   | 2.       |
| 11                          |       | [TSPC_DCS]                                                                                                                                                                                                 |                                                                                                                                                               |   | 4.       |
| 12                          |       | LIDL_UdatRqSysinfo1                                                                                                                                                                                        | SysInfo1(C_BCCH_A_1, CellChDes_03, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                       |   |          |
| 13                          |       | LIDL_UdatRqSysinfo2                                                                                                                                                                                        | SysInfo2(C_BCCH_A_1, BcchFreqLst_48, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                     |   |          |
| 14                          |       | LIDL_UdatRqSysinfo4                                                                                                                                                                                        | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 15                          |       | (TCV_sysinfo5 := SysInf5(BcchFreqLst_48))                                                                                                                                                                  |                                                                                                                                                               |   |          |
| 16                          |       | LIDL_UdatRqSysinfo3                                                                                                                                                                                        | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A,                                                                                              |   | 2.       |

|                           |  |                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                             |  |  |
|---------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|--|--|
|                           |  |                                                                                                                                                                                                                                                                                                                                                                                                         | CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvID,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noRestablishment) |  |  |
| <b>Detailed Comments:</b> |  | The lower layer emulator shall send these SYNCHRONIZATION INFORMATION and SYSTEM INFORMATION's repeatedly.<br>1. To send SYNCHRONIZATION INFORMATION message with default parameter for cell A.<br>2. To send SYSTEM INFORMATION TYPE 3 message.<br>3. To send SYSTEM INFORMATION TYPE 2 and 5 messages for GSM900 testing.<br>4. To send SYSTEM INFORMATION TYPE 2 and 5 messages for DCS1800 testing. |                                                                                                             |  |  |

| Test Step Dynamic Behaviour                                                                                                                                                                                                                           |       |                                                                                                                                       |                                                                                                                                                       |   |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b> SysInfoSending_r2(t: INTEGER; retrans:INTEGER; ch:LOGICCH; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                             |       |                                                                                                                                       |                                                                                                                                                       |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                                                                                                                                  |       |                                                                                                                                       |                                                                                                                                                       |   |          |
| <b>Objective:</b> To send system information messages in cell A with default parameters except the 5 parameters, the combined CCCH, Max-retrans, Tx-INTEGGER, control channel description and logic channel which are specified by formal parameters. |       |                                                                                                                                       |                                                                                                                                                       |   |          |
| <b>Default:</b> OtherEvents                                                                                                                                                                                                                           |       |                                                                                                                                       |                                                                                                                                                       |   |          |
| <b>Comments:</b> The test step is used for RR tests without attach/detach.                                                                                                                                                                            |       |                                                                                                                                       |                                                                                                                                                       |   |          |
| Nr                                                                                                                                                                                                                                                    | Label | Behaviour Description                                                                                                                 | CRef                                                                                                                                                  | V | Comments |
| 1                                                                                                                                                                                                                                                     |       | (TCV_Tx := OC_CnvtTx(t), TCV_Max := OC_CnvtMax(retrans), TCV_Neci := '0'B, TCV_Ccd0A := CntrlChDscrp(att, babr, cch_con, bpm, t3212)) |                                                                                                                                                       |   |          |
| 2                                                                                                                                                                                                                                                     |       | LIDL_UdatRqSchinfo                                                                                                                    | SynclInfo(C_SCH_A)                                                                                                                                    |   |          |
| 3                                                                                                                                                                                                                                                     |       | (TCV_sysinfo6 := SysInf6(C_ci_cellA, C_PLMN_1, C_lacellA, CellOpt_01))                                                                |                                                                                                                                                       |   |          |
| 4                                                                                                                                                                                                                                                     |       | +gsmOrDcs                                                                                                                             |                                                                                                                                                       |   |          |
| <b>gsmOrDcs</b>                                                                                                                                                                                                                                       |       |                                                                                                                                       |                                                                                                                                                       |   |          |
| 5                                                                                                                                                                                                                                                     |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                              |                                                                                                                                                       |   | 2.       |
| 6                                                                                                                                                                                                                                                     |       | LIDL_UdatRqSysinfo1                                                                                                                   | SysInfo1(ch, CellChDes_02, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                       |   |          |
| 7                                                                                                                                                                                                                                                     |       | LIDL_UdatRqSysinfo2                                                                                                                   | SysInfo2(ch, BcchFreqLst_01, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                     |   |          |
| 8                                                                                                                                                                                                                                                     |       | LIDL_UdatRqSysinfo4                                                                                                                   | SysInfo4(ch, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 9                                                                                                                                                                                                                                                     |       | (TCV_sysinfo5 := SysInf5(BcchFreqLst_01))                                                                                             |                                                                                                                                                       |   |          |
| 10                                                                                                                                                                                                                                                    |       | LIDL_UdatRqSysinfo3                                                                                                                   | SysInfo3(ch, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   | 1.       |
| 11                                                                                                                                                                                                                                                    |       | [TSPC_DCS]                                                                                                                            |                                                                                                                                                       |   | 3.       |
| 12                                                                                                                                                                                                                                                    |       | LIDL_UdatRqSysinfo1                                                                                                                   | SysInfo1(ch, CellChDes_03, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                       |   |          |
| 13                                                                                                                                                                                                                                                    |       | LIDL_UdatRqSysinfo2                                                                                                                   | SysInfo2(ch, BcchFreqLst_48, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                     |   |          |
| 14                                                                                                                                                                                                                                                    |       | LIDL_UdatRqSysinfo4                                                                                                                   | SysInfo4(ch, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 15                                                                                                                                                                                                                                                    |       | (TCV_sysinfo5 := SysInf5(BcchFreqLst_48))                                                                                             |                                                                                                                                                       |   |          |
| 16                                                                                                                                                                                                                                                    |       | LIDL_UdatRqSysinfo3                                                                                                                   | SysInfo3(ch, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01,                                                                                  |   | 1.       |



|                           |  |                                                                                                                                                                                 |                                                                                              |  |
|---------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--|
|                           |  |                                                                                                                                                                                 | C_CellReselectHys0,<br>C_MaxPwrLvlD,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noRestablishment) |  |
| <b>Detailed Comments:</b> |  | <ol style="list-style-type: none"><li>1. CCCH combined or not with SDCCH</li><li>2. For GSM900 mobile station testing.</li><li>3. For DCS1800 mobile station testing.</li></ol> |                                                                                              |  |

| Test Step Dynamic Behaviour |       |                                                                                                                                     |                                                                                                                                                               |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | SysInfoSending_r4(att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                           |                                                                                                                                                               |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                              |                                                                                                                                                               |   |          |
| <b>Objective:</b>           |       | To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages with default parameters defined for cell B in RR tests. |                                                                                                                                                               |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                         |                                                                                                                                                               |   |          |
| <b>Comments:</b>            |       | The values of SYSTEM INFORMATION messages are also controlled by another test suite parameters, TSPC_GSM and TSPC_DCS.              |                                                                                                                                                               |   |          |
| Nr                          | Label | Behaviour Description                                                                                                               | CRef                                                                                                                                                          | V | Comments |
| 1                           |       | (TCV_Tx := '0010'B, TCV_Max := '00'B, TCV_Neci := '0'B, TCV_Ccd0B := CntrlChDscrp(att, babr, cch_con, bpm, t3212))                  |                                                                                                                                                               |   |          |
| 2                           |       | LIDL_UdatRqSchinfo                                                                                                                  | SynInfo(C_SCH_B)                                                                                                                                              |   | 1.       |
| 3                           |       | (TCV_sysinfo6_B := SysInf6(C_ci_cellB, C_PLMN_1, C_lacellB, CellOpt_01))                                                            |                                                                                                                                                               |   |          |
| 4                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                            |                                                                                                                                                               |   | 2.       |
| 5                           |       | LIDL_UdatRqSysinfo1                                                                                                                 | SysInfo1(C_BCCH_B_1, CellChDes_04, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                       |   |          |
| 6                           |       | LIDL_UdatRqSysinfo2                                                                                                                 | SysInfo2(C_BCCH_B_1, BcchFreqLst_01, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                     |   |          |
| 7                           |       | (TCV_sysinfo5_B := SysInf5(BcchFreqLst_01))                                                                                         |                                                                                                                                                               |   |          |
| 8                           |       | LIDL_UdatRqSysinfo4                                                                                                                 | SysInfo4(C_BCCH_B_1, C_PLMN_1, C_lacellB, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 9                           |       | LIDL_UdatRqSysinfo3                                                                                                                 | SysInfo3(C_BCCH_B_1, C_ci_cellB, C_PLMN_1, C_lacellB, TCV_Ccd0B, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| 10                          |       | [TSPC_DCS]                                                                                                                          |                                                                                                                                                               |   | 3.       |
| 11                          |       | LIDL_UdatRqSysinfo1                                                                                                                 | SysInfo1(C_BCCH_B_1, CellChDes_03, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                       |   |          |
| 12                          |       | LIDL_UdatRqSysinfo2                                                                                                                 | SysInfo2(C_BCCH_B_1, BcchFreqLst_48, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                     |   |          |
| 13                          |       | (TCV_sysinfo5_B := SysInf5(BcchFreqLst_48))                                                                                         |                                                                                                                                                               |   |          |
| 14                          |       | LIDL_UdatRqSysinfo4                                                                                                                 | SysInfo4(C_BCCH_B_1, C_PLMN_1, C_lacellB, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 15                          |       | LIDL_UdatRqSysinfo3                                                                                                                 | SysInfo3(C_BCCH_B_1, C_ci_cellB, C_PLMN_1, C_lacellB, TCV_Ccd0B, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max,                             |   |          |

|                           |                                                                                                                                                                                                                                                                                                                                                        |  |                                |  |  |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------|--|--|
|                           |                                                                                                                                                                                                                                                                                                                                                        |  | TCV_Tx,<br>C_noRestablishment) |  |  |
| <b>Detailed Comments:</b> | The lower layer emulator shall send these SYNCHRONIZATION INFORMATION and SYSTEM INFORMATION's repeatedly.<br>1. To send SYNCHRONIZATION INFORMATION message with default parameter for cell B.<br>2. To send SYSTEM INFORMATION TYPE 2 and 5 messages for GSM900 testing.<br>3. To send SYSTEM INFORMATION TYPE 2 and 5 messages for DCS1800 testing. |  |                                |  |  |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                             |                                                                                                                                                               |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | SysInfoSending_m1(att: INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                                                  |                                                                                                                                                               |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                                                                                                      |                                                                                                                                                               |   |          |
| <b>Objective:</b>           |       | To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages with default parameters defined for MM test based on RR test except CCCH_CONF, and ATT which are specified by input parameters. |                                                                                                                                                               |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                 |                                                                                                                                                               |   |          |
| <b>Comments:</b>            |       | The values of SYSTEM INFORMATION messages are also controlled by another test suite parameters, TSPC_GSM and TSPC_DCS.                                                                                      |                                                                                                                                                               |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                       | CRef                                                                                                                                                          | V | Comments |
| 1                           |       | (TCV_Tx := '0010'B, TCV_Max := '00'B, TCV_Neci := '0'B, TCV_Ccd0A := CntrlChDscrp(att, babr, cch_con, bpm, t3212))                                                                                          |                                                                                                                                                               |   |          |
| 2                           |       | LIDL_UdatRqSchinfo                                                                                                                                                                                          | SynclInfo(C_SCH_A)                                                                                                                                            |   | 1.       |
| 3                           |       | (TCV_sysinfo6 := SysInf6(C_ci_cellA, C_PLMN_1, C_lacellA, CellOpt_01))                                                                                                                                      |                                                                                                                                                               |   |          |
| 4                           |       | +gsmOrDcs                                                                                                                                                                                                   |                                                                                                                                                               |   |          |
|                             |       | <b>gsmOrDcs</b>                                                                                                                                                                                             |                                                                                                                                                               |   |          |
| 5                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                    |                                                                                                                                                               |   | 2.       |
| 6                           |       | LIDL_UdatRqSysinfo1                                                                                                                                                                                         | SysInfo1(C_BCCH_A_1, CellChDes_02, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                       |   |          |
| 7                           |       | LIDL_UdatRqSysinfo2                                                                                                                                                                                         | SysInfo2(C_BCCH_A_1, BcchFreqLst_01, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                     |   |          |
| 8                           |       | LIDL_UdatRqSysinfo4                                                                                                                                                                                         | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 9                           |       | (TCV_sysinfo5 := SysInf5(BcchFreqLst_01))                                                                                                                                                                   |                                                                                                                                                               |   |          |
| 10                          |       | LIDL_UdatRqSysinfo3                                                                                                                                                                                         | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| 11                          |       | [TSPC_DCS]                                                                                                                                                                                                  |                                                                                                                                                               |   | 3.       |
| 12                          |       | LIDL_UdatRqSysinfo1                                                                                                                                                                                         | SysInfo1(C_BCCH_A_1, CellChDes_03, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                       |   |          |
| 13                          |       | LIDL_UdatRqSysinfo2                                                                                                                                                                                         | SysInfo2(C_BCCH_A_1, BcchFreqLst_48, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                     |   |          |
| 14                          |       | LIDL_UdatRqSysinfo4                                                                                                                                                                                         | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 15                          |       | (TCV_sysinfo5 := SysInf5(BcchFreqLst_48))                                                                                                                                                                   |                                                                                                                                                               |   |          |
| 16                          |       | LIDL_UdatRqSysinfo3                                                                                                                                                                                         | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01,                                                                                  |   |          |

|  |  |  |                                                                                               |  |
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|  |  |  | C_CellReselectHys0,<br>C_MaxPwrLvlD,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noReestablishment) |  |
|--|--|--|-----------------------------------------------------------------------------------------------|--|

**Detailed Comments:** The lower layer emulator shall send these SYNCHRONIZATION INFORMATION and SYSTEM INFORMATION's repeatedly.

1. To send SYNCHRONIZATION INFORMATION message with default parameter for cell A.
2. To send SYSTEM INFORMATION TYPE 2 and 5 messages for GSM900 testing.
3. To send SYSTEM INFORMATION TYPE 2 and 5 messages for DCS1800 testing.

**Test Step Dynamic Behaviour**

**Test Step Name:** SysInfoSending\_1(att:INTEGER; babr, cch\_con, bpm:B\_3; t3212:OCTETSTRING)  
**Group:** GSM\_L3\_MS\_v4160/Miscellaneous/SysInfo/  
**Objective:** To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell A for idle mode test  
**Default:** OtherEvents  
**Comments:** The values of SYSTEM INFORMATION messages are also controlled by test suite parameters TSPC\_GSM and TSPC\_DCS.

| Nr | Label | Behaviour Description                                               | CRef                                                                                                          | V | Comments |
|----|-------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---|----------|
| 1  |       | (TCV_Ccd0A := CntrlChDscrp(att, babr, cch_con, bpm, t3212))         |                                                                                                               |   |          |
| 2  |       | L!DL_UdatRqSchinfo (DL_UdatRqSchinfo.msg.ncc := '000'B)             | SynInfo(C_SCH_A)                                                                                              |   | 1.       |
| 3  |       | (TCV_sysinfo6 := SysInf6_MM( C_ci_cellA, LocAreald_03, CellOpt_02)) |                                                                                                               |   |          |
| 4  |       | L!DL_UdatRqSysinfo4                                                 | SysInfo4_MM(C_BCC H_A_1, LocAreald_03, CellSelPara_03, RachCntrlPara_04)                                      |   |          |
| 5  |       | +gsmOrDcs                                                           |                                                                                                               |   |          |
| 6  |       | L!DL_UdatRqSysinfo1_nh                                              | SysInfo1_nh_07(C_BCCH_A_1, C_ci_cellA, LocAreald_03, TCV_Ccd0A, CellOpt_02, CellSelPara_03, RachCntrlPara_04) |   |          |
| 7  |       | L!DL_UdatRqSysinfo3                                                 | SysInfo3_07(C_BCC H_A_1, C_ci_cellA, LocAreald_03, TCV_Ccd0A, CellOpt_02, CellSelPara_03, RachCntrlPara_04)   |   |          |
| 8  |       | <b>gsmOrDcs</b><br>[TSPC_PGSM OR TSPC_EGSM]                         |                                                                                                               |   | 2.       |
| 9  |       | L!DL_UdatRqSysinfo2                                                 | SysInfo2_07(C_BCC H_A_1, BcchFreqLst_05, RachCntrlPara_04)                                                    |   |          |
| 10 |       | (TCV_sysinfo5 := SysInf5(BcchFreqLst_05))                           |                                                                                                               |   |          |
| 11 |       | [TSPC_DCS]                                                          |                                                                                                               |   | 3.       |
| 12 |       | L!DL_UdatRqSysinfo2                                                 | SysInfo2_07(C_BCC H_A_1, BcchFreqLst_13, RachCntrlPara_04)                                                    |   |          |
| 13 |       | (TCV_sysinfo5 := SysInf5(BcchFreqLst_13))                           |                                                                                                               |   |          |

**Detailed Comments:**

1. To send SYNCHRONIZATION INFORMATION message with parameters for cell A.
2. To send SYSTEM INFORMATION TYPE 2 and 5 messages for GSM900 testing.
3. To send SYSTEM INFORMATION TYPE 2 and 5 messages for DCS1800 testing.

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                 |                                                                                                               |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | SysInfoSending_2(att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                                                                                                                                        |                                                                                                               |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                                                                                                                                                                                          |                                                                                                               |   |          |
| <b>Objective:</b>           |       | To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell B for idle mode test                                                                                                                                                                                        |                                                                                                               |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                     |                                                                                                               |   |          |
| <b>Comments:</b>            |       | The values of SYSTEM INFORMATION messages are also controlled by test suite parameters TSPC_GSM and TSPC_DCS.                                                                                                                                                                                   |                                                                                                               |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                           | CRef                                                                                                          | V | Comments |
| 1                           |       | (TCV_Ccd0A := CntrlChDscrp(att, babr, cch_con, bpm, t3212))                                                                                                                                                                                                                                     |                                                                                                               |   |          |
| 2                           |       | L!DL_UdatRqSchinfo (DL_UdatRqSchinfo.msg.ncc := '001'B)                                                                                                                                                                                                                                         | SynclInfo(C_SCH_B)                                                                                            |   | 1.       |
| 3                           |       | (TCV_sysinfo6 := SysInf6_MM(C_ci_cellB, LocAreaId_04, CellOpt_02))                                                                                                                                                                                                                              |                                                                                                               |   |          |
| 4                           |       | L!DL_UdatRqSysinfo4                                                                                                                                                                                                                                                                             | SysInfo4_MM(C_BCC H_B_1, LocAreaId_04, CellSelPara_03, RachCntrlPara_04)                                      |   |          |
| 5                           |       | +gsmOrDcs                                                                                                                                                                                                                                                                                       |                                                                                                               |   |          |
| 6                           |       | L!DL_UdatRqSysinfo1_nh                                                                                                                                                                                                                                                                          | SysInfo1_nh_07(C_BCCH_B_1, C_ci_cellB, LocAreaId_04, TCV_Ccd0B, CellOpt_02, CellSelPara_03, RachCntrlPara_04) |   |          |
| 7                           |       | L!DL_UdatRqSysinfo3                                                                                                                                                                                                                                                                             | SysInfo3_07(C_BCCH_B_1, C_ci_cellB, LocAreaId_04, TCV_Ccd0B, CellOpt_02, CellSelPara_03, RachCntrlPara_04)    |   |          |
| 8                           |       | <b>gsmOrDcs</b><br>[TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                     |                                                                                                               |   | 2.       |
| 9                           |       | L!DL_UdatRqSysinfo2                                                                                                                                                                                                                                                                             | SysInfo2_07(C_BCC H_B_1, BcchFreqLst_06, RachCntrlPara_04)                                                    |   |          |
| 10                          |       | (TCV_sysinfo5 := SysInf5(BcchFreqLst_06))                                                                                                                                                                                                                                                       |                                                                                                               |   |          |
| 11                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                      |                                                                                                               |   | 3.       |
| 12                          |       | L!DL_UdatRqSysinfo2                                                                                                                                                                                                                                                                             | SysInfo2_07(C_BCC H_B_1, BcchFreqLst_14, RachCntrlPara_04)                                                    |   |          |
| 13                          |       | (TCV_sysinfo5 := SysInf5(BcchFreqLst_14))                                                                                                                                                                                                                                                       |                                                                                                               |   |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To send SYNCHRONIZATION INFORMATION message with parameters for cell B.</li> <li>2. To send SYSTEM INFORMATION TYPE 2 and 5 messages for GSM900 testing.</li> <li>3. To send SYSTEM INFORMATION TYPE 2 and 5 messages for DCS1800 testing.</li> </ol> |                                                                                                               |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                 |                                                                                                                                     |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | SysInfoSending_3(att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                                                                                                                                        |                                                                                                                                     |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                                                                                                                                                                                          |                                                                                                                                     |   |          |
| <b>Objective:</b>           |       | To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell C for idle mode test                                                                                                                                                                                        |                                                                                                                                     |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                     |                                                                                                                                     |   |          |
| <b>Comments:</b>            |       | The values of SYSTEM INFORMATION messages are also controlled by test suite parameters TSPC_GSM and TSPC_DCS.                                                                                                                                                                                   |                                                                                                                                     |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                           | CRef                                                                                                                                | V | Comments |
| 1                           |       | (TCV_Ccd0C := CntrlChDscrp(att, babr, cch_con, bpm, t3212))                                                                                                                                                                                                                                     |                                                                                                                                     |   |          |
| 2                           |       | L!DL_UdatRqSchinfo (DL_UdatRqSchinfo.msg.ncc := '010'B)                                                                                                                                                                                                                                         | SynInfo(C_SCH_C)                                                                                                                    |   | 1.       |
| 3                           |       | (TCV_sysinfo6_C := SysInf6_MM(C_ci_cellC, LocAreald_05, CellOpt_02))                                                                                                                                                                                                                            |                                                                                                                                     |   |          |
| 4                           |       | L!DL_UdatRqSysinfo4                                                                                                                                                                                                                                                                             | SysInfo4_MM(C_BCC<br>H_C_1,<br>LocAreald_05,<br>CellSelPara_03,<br>RachCntrlPara_04)                                                |   |          |
| 5                           |       | +gsmOrDcs                                                                                                                                                                                                                                                                                       |                                                                                                                                     |   |          |
| 6                           |       | L!DL_UdatRqSysinfo1_nh                                                                                                                                                                                                                                                                          | SysInfo1_nh_07(<br>C_BCCH_C_1,<br>C_ci_cellC,<br>LocAreald_05,<br>TCV_Ccd0C,<br>CellOpt_02,<br>CellSelPara_03,<br>RachCntrlPara_04) |   |          |
| 7                           |       | L!DL_UdatRqSysinfo3                                                                                                                                                                                                                                                                             | SysInfo3_07(<br>C_BCCH_C_1,<br>C_ci_cellC,<br>LocAreald_05,<br>TCV_Ccd0C,<br>CellOpt_02,<br>CellSelPara_03,<br>RachCntrlPara_04)    |   |          |
| 8                           |       | <b>gsmOrDcs</b><br>[TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                     |                                                                                                                                     |   | 2.       |
| 9                           |       | L!DL_UdatRqSysinfo2                                                                                                                                                                                                                                                                             | SysInfo2_07(C_BCC<br>H_C_1,<br>BcchFreqLst_07,<br>RachCntrlPara_04)                                                                 |   |          |
| 10                          |       | (TCV_sysinfo5_C := SysInf5(BcchFreqLst_07))                                                                                                                                                                                                                                                     |                                                                                                                                     |   |          |
| 11                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                      |                                                                                                                                     |   | 3.       |
| 12                          |       | L!DL_UdatRqSysinfo2                                                                                                                                                                                                                                                                             | SysInfo2_07(C_BCC<br>H_C_1,<br>BcchFreqLst_15,<br>RachCntrlPara_04)                                                                 |   |          |
| 13                          |       | (TCV_sysinfo5_C := SysInf5(BcchFreqLst_15))                                                                                                                                                                                                                                                     |                                                                                                                                     |   |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To send SYNCHRONIZATION INFORMATION message with parameters for cell C.</li> <li>2. To send SYSTEM INFORMATION TYPE 2 and 5 messages for GSM900 testing.</li> <li>3. To send SYSTEM INFORMATION TYPE 2 and 5 messages for DCS1800 testing.</li> </ol> |                                                                                                                                     |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                   |                                                                                                                |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | SysInfoSending_4(att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                                                                          |                                                                                                                |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                                                                                                                            |                                                                                                                |   |          |
| <b>Objective:</b>           |       | To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell D for idle mode test                                                                                                                          |                                                                                                                |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                       |                                                                                                                |   |          |
| <b>Comments:</b>            |       | The values of SYSTEM INFORMATION messages are also controlled by test suite parameters TSPC_GSM and TSPC_DCS.                                                                                                                     |                                                                                                                |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                             | CRef                                                                                                           | V | Comments |
| 1                           |       | (TCV_Ccd0D := CntrlChDscrp(att, babr, cch_con, bpm, t3212))                                                                                                                                                                       |                                                                                                                |   |          |
| 2                           |       | L!DL_UdatRqSchinfo (DL_UdatRqSchinfo.msg.ncc := '011'B)                                                                                                                                                                           | SynclInfo(C_SCH_D)                                                                                             |   | 1.       |
| 3                           |       | (TCV_sysinfo6_D := SysInf6_MM(C_ci_cellID, LocAreald_06, CellOpt_02))                                                                                                                                                             |                                                                                                                |   |          |
| 4                           |       | L!DL_UdatRqSysinfo4                                                                                                                                                                                                               | SysInfo4_MM(C_BCC H_D_1, LocAreald_06, CellSelPara_03, RachCntrlPara_04)                                       |   |          |
| 5                           |       | +gsmOrDcs                                                                                                                                                                                                                         |                                                                                                                |   |          |
| 6                           |       | L!DL_UdatRqSysinfo1_nh                                                                                                                                                                                                            | SysInfo1_nh_07(C_BCCH_D_1, C_ci_cellID, LocAreald_06, TCV_Ccd0D, CellOpt_02, CellSelPara_03, RachCntrlPara_04) |   |          |
| 7                           |       | L!DL_UdatRqSysinfo3                                                                                                                                                                                                               | SysInfo3_07(C_BCCH_D_1, C_ci_cellID, LocAreald_06, TCV_Ccd0D, CellOpt_02, CellSelPara_03, RachCntrlPara_04)    |   |          |
| 8                           |       | <b>gsmOrDcs</b><br>[TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                       |                                                                                                                |   | 2.       |
| 9                           |       | L!DL_UdatRqSysinfo2                                                                                                                                                                                                               | SysInfo2_07(C_BCC H_D_1, BcchFreqLst_08, RachCntrlPara_04)                                                     |   |          |
| 10                          |       | (TCV_sysinfo5_D := SysInf5(BcchFreqLst_08))                                                                                                                                                                                       |                                                                                                                |   |          |
| 11                          |       | [TSPC_DCS]                                                                                                                                                                                                                        |                                                                                                                |   | 3.       |
| 12                          |       | L!DL_UdatRqSysinfo2                                                                                                                                                                                                               | SysInfo2_07(C_BCC H_D_1, BcchFreqLst_16, RachCntrlPara_04)                                                     |   |          |
| 13                          |       | (TCV_sysinfo5_D := SysInf5(BcchFreqLst_16))                                                                                                                                                                                       |                                                                                                                |   |          |
| <b>Detailed Comments:</b>   |       | 1. To send SYNCHRONIZATION INFORMATION message with parameters for cell D.<br>2. To send SYSTEM INFORMATION TYPE 2 and 5 messages for GSM900 testing.<br>3. To send SYSTEM INFORMATION TYPE 2 and 5 messages for DCS1800 testing. |                                                                                                                |   |          |



| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                   |                                                                                                               |   |          |
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| <b>Test Step Name:</b>      |       | SysInfoSending_5(att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                                                                          |                                                                                                               |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                                                                                                                            |                                                                                                               |   |          |
| <b>Objective:</b>           |       | To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell E for idle mode test                                                                                                                          |                                                                                                               |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                       |                                                                                                               |   |          |
| <b>Comments:</b>            |       | The values of SYSTEM INFORMATION messages are also controlled by test suite parameters TSPC_GSM and TSPC_DCS.                                                                                                                     |                                                                                                               |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                             | CRef                                                                                                          | V | Comments |
| 1                           |       | (TCV_Ccd0E := CntrlChDscrp(att, babr, cch_con, bpm, t3212))                                                                                                                                                                       |                                                                                                               |   |          |
| 2                           |       | L!DL_UdatRqSchinfo (DL_UdatRqSchinfo.msg.ncc := '100'B)                                                                                                                                                                           | SynInfo(C_SCH_E)                                                                                              |   | 1.       |
| 3                           |       | (TCV_sysinfo6_E := SysInf6_MM(C_ci_cellE, LocAreald_07, CellOpt_02))                                                                                                                                                              |                                                                                                               |   |          |
| 4                           |       | L!DL_UdatRqSysinfo4                                                                                                                                                                                                               | SysInfo4_MM(C_BCC H_E_1, LocAreald_07, CellSelPara_03, RachCntrlPara_04)                                      |   |          |
| 5                           |       | +gsmOrDcs                                                                                                                                                                                                                         |                                                                                                               |   |          |
| 6                           |       | L!DL_UdatRqSysinfo1_nh                                                                                                                                                                                                            | SysInfo1_nh_07(C_BCCH_E_1, C_ci_cellE, LocAreald_07, TCV_Ccd0E, CellOpt_02, CellSelPara_03, RachCntrlPara_04) |   |          |
| 7                           |       | L!DL_UdatRqSysinfo3                                                                                                                                                                                                               | SysInfo3_07(C_BCCH_E_1, C_ci_cellE, LocAreald_07, TCV_Ccd0E, CellOpt_02, CellSelPara_03, RachCntrlPara_04)    |   |          |
| 8                           |       | <b>gsmOrDcs</b><br>[TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                       |                                                                                                               |   | 2.       |
| 9                           |       | L!DL_UdatRqSysinfo2                                                                                                                                                                                                               | SysInfo2_07(C_BCC H_E_1, BcchFreqLst_09, RachCntrlPara_04)                                                    |   |          |
| 10                          |       | (TCV_sysinfo5_E := SysInf5(BcchFreqLst_09))                                                                                                                                                                                       |                                                                                                               |   |          |
| 11                          |       | [TSPC_DCS]                                                                                                                                                                                                                        |                                                                                                               |   | 3.       |
| 12                          |       | L!DL_UdatRqSysinfo2                                                                                                                                                                                                               | SysInfo2_07(C_BCC H_E_1, BcchFreqLst_17, RachCntrlPara_04)                                                    |   |          |
| 13                          |       | (TCV_sysinfo5_E := SysInf5(BcchFreqLst_17))                                                                                                                                                                                       |                                                                                                               |   |          |
| <b>Detailed Comments:</b>   |       | 1. To send SYNCHRONIZATION INFORMATION message with parameters for cell E.<br>2. To send SYSTEM INFORMATION TYPE 2 and 5 messages for GSM900 testing.<br>3. To send SYSTEM INFORMATION TYPE 2 and 5 messages for DCS1800 testing. |                                                                                                               |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                 |                                                                                                               |   |          |
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| <b>Test Step Name:</b>      |       | SysInfoSending_6(att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                                                                                                                                        |                                                                                                               |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                                                                                                                                                                                          |                                                                                                               |   |          |
| <b>Objective:</b>           |       | To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell F for idle mode test                                                                                                                                                                                        |                                                                                                               |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                     |                                                                                                               |   |          |
| <b>Comments:</b>            |       | The values of SYSTEM INFORMATION messages are also controlled by test suite parameters TSPC_GSM and TSPC_DCS.                                                                                                                                                                                   |                                                                                                               |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                           | CRef                                                                                                          | V | Comments |
| 1                           |       | (TCV_Ccd0F := CntrlChDscrp(att, babr, cch_con, bpm, t3212))                                                                                                                                                                                                                                     |                                                                                                               |   |          |
| 2                           |       | L!DL_UdatRqSchinfo (DL_UdatRqSchinfo.msg.ncc := '101'B)                                                                                                                                                                                                                                         | SynclInfo(C_SCH_F)                                                                                            |   | 1.       |
| 3                           |       | (TCV_sysinfo6_F := SysInf6_MM(C_ci_cellF, LocAreaId_08, CellOpt_02))                                                                                                                                                                                                                            |                                                                                                               |   |          |
| 4                           |       | L!DL_UdatRqSysinfo4                                                                                                                                                                                                                                                                             | SysInfo4_MM(C_BCC H_F_1, LocAreaId_08, CellSelPara_03, RachCntrlPara_04)                                      |   |          |
| 5                           |       | +gsmOrDcs                                                                                                                                                                                                                                                                                       |                                                                                                               |   |          |
| 6                           |       | L!DL_UdatRqSysinfo1_nh                                                                                                                                                                                                                                                                          | SysInfo1_nh_07(C_BCCH_F_1, C_ci_cellF, LocAreaId_08, TCV_Ccd0F, CellOpt_02, CellSelPara_03, RachCntrlPara_04) |   |          |
| 7                           |       | L!DL_UdatRqSysinfo3                                                                                                                                                                                                                                                                             | SysInfo3_07(C_BCCH_F_1, C_ci_cellF, LocAreaId_08, TCV_Ccd0F, CellOpt_02, CellSelPara_03, RachCntrlPara_04)    |   |          |
| 8                           |       | <b>gsmOrDcs</b><br>[TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                     |                                                                                                               |   | 2.       |
| 9                           |       | L!DL_UdatRqSysinfo2                                                                                                                                                                                                                                                                             | SysInfo2_07(C_BCC H_F_1, BcchFreqLst_10, RachCntrlPara_04)                                                    |   |          |
| 10                          |       | (TCV_sysinfo5_F := SysInf5(BcchFreqLst_10))                                                                                                                                                                                                                                                     |                                                                                                               |   |          |
| 11                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                      |                                                                                                               |   | 3.       |
| 12                          |       | L!DL_UdatRqSysinfo2                                                                                                                                                                                                                                                                             | SysInfo2_07(C_BCC H_F_1, BcchFreqLst_18, RachCntrlPara_04)                                                    |   |          |
| 13                          |       | (TCV_sysinfo5_F := SysInf5(BcchFreqLst_18))                                                                                                                                                                                                                                                     |                                                                                                               |   |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. To send SYNCHRONIZATION INFORMATION message with parameters for cell F.</li> <li>2. To send SYSTEM INFORMATION TYPE 2 and 5 messages for GSM900 testing.</li> <li>3. To send SYSTEM INFORMATION TYPE 2 and 5 messages for DCS1800 testing.</li> </ol> |                                                                                                               |   |          |

| Test Step Dynamic Behaviour                                                                                                    |       |                                                                      |                                                                                                               |   |          |
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| <b>Test Step Name:</b> SysInfoSending_7(att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                |       |                                                                      |                                                                                                               |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                           |       |                                                                      |                                                                                                               |   |          |
| <b>Objective:</b> To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell G for idle mode test     |       |                                                                      |                                                                                                               |   |          |
| <b>Default:</b> OtherEvents                                                                                                    |       |                                                                      |                                                                                                               |   |          |
| <b>Comments:</b> The values of SYSTEM INFORMATION messages are also controlled by test suite parameters TSPC_GSM and TSPC_DCS. |       |                                                                      |                                                                                                               |   |          |
| Nr                                                                                                                             | Label | Behaviour Description                                                | CRef                                                                                                          | V | Comments |
| 1                                                                                                                              |       | (TCV_Ccd0G := CntrlChDscrp(att, babr, cch_con, bpm, t3212))          |                                                                                                               |   |          |
| 2                                                                                                                              |       | L!DL_UdatRqSchinfo (DL_UdatRqSchinfo.msg.ncc := '110'B)              | SynInfo(C_SCH_G)                                                                                              |   | 1.       |
| 3                                                                                                                              |       | (TCV_sysinfo6_G := SysInf6_MM(C_ci_cellG, LocAreaId_09, CellOpt_02)) |                                                                                                               |   |          |
| 4                                                                                                                              |       | +gsmOrDcs                                                            |                                                                                                               |   |          |
| <b>gsmOrDcs</b>                                                                                                                |       |                                                                      |                                                                                                               |   |          |
| 5                                                                                                                              |       | [TSPC_PGSM OR TSPC_EGSM]                                             |                                                                                                               |   | 2.       |
| 6                                                                                                                              |       | L!DL_UdatRqSysinfo2                                                  | SysInfo2_07(C_BCC H_G_1, BcchFreqLst_11, RachCntrlPara_04)                                                    |   |          |
| 7                                                                                                                              |       | (TCV_sysinfo5_G := SysInf5(BcchFreqLst_11))                          |                                                                                                               |   |          |
| 8                                                                                                                              |       | L!DL_UdatRqSysinfo4                                                  | SysInfo4_MM(C_BCC H_G_1, LocAreaId_09, CellSelPara_03, RachCntrlPara_04)                                      |   |          |
| 9                                                                                                                              |       | L!DL_UdatRqSysinfo1_nh                                               | SysInfo1_nh_07(C_BCCH_G_1, C_ci_cellG, LocAreaId_09, TCV_Ccd0G, CellOpt_02, CellSelPara_03, RachCntrlPara_04) |   |          |
| 10                                                                                                                             |       | L!DL_UdatRqSysinfo3                                                  | SysInfo3_07(C_BCCH_G_1, C_ci_cellG, LocAreaId_09, TCV_Ccd0G, CellOpt_02, CellSelPara_03, RachCntrlPara_04)    |   |          |
| 11                                                                                                                             |       | [TSPC_DCS]                                                           |                                                                                                               |   | 3.       |
| 12                                                                                                                             |       | L!DL_UdatRqSysinfo2                                                  | SysInfo2_07(C_BCC H_G_1, BcchFreqLst_19, RachCntrlPara_05)                                                    |   |          |
| 13                                                                                                                             |       | (TCV_sysinfo5_G := SysInf5(BcchFreqLst_19))                          |                                                                                                               |   |          |
| 14                                                                                                                             |       | L!DL_UdatRqSysinfo4                                                  | SysInfo4_MM(C_BCC H_G_1, LocAreaId_09, CellSelPara_03, RachCntrlPara_05)                                      |   |          |
| 15                                                                                                                             |       | L!DL_UdatRqSysinfo1_nh                                               | SysInfo1_nh_07(C_BCCH_G_1, C_ci_cellG, LocAreaId_09, TCV_Ccd0G, CellOpt_02, CellSelPara_03, RachCntrlPara_05) |   |          |
| 16                                                                                                                             |       | L!DL_UdatRqSysinfo3                                                  | SysInfo3_07(C_BCCH_G_1, C_ci_cellG, LocAreaId_09, TCV_Ccd0G, CellOpt_02, CellSelPara_03, RachCntrlPara_05)    |   |          |

|                           |                                                                                                                                                                                                                                   |
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| <b>Detailed Comments:</b> | 1. To send SYNCHRONIZATION INFORMATION message with parameters for cell G.<br>2. To send SYSTEM INFORMATION TYPE 2 and 5 messages for GSM900 testing.<br>3. To send SYSTEM INFORMATION TYPE 2 and 5 messages for DCS1800 testing. |
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| <b>Test Step Dynamic Behaviour</b> |       |                                                                                                          |                                                                                                               |   |          |
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| <b>Test Step Name:</b>             |       | SysInfoSending_8(att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                 |                                                                                                               |   |          |
| <b>Group:</b>                      |       | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                   |                                                                                                               |   |          |
| <b>Objective:</b>                  |       | To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell H for idle mode test |                                                                                                               |   |          |
| <b>Default:</b>                    |       | OtherEvents                                                                                              |                                                                                                               |   |          |
| <b>Comments:</b>                   |       | for GSM900 only                                                                                          |                                                                                                               |   |          |
| Nr                                 | Label | Behaviour Description                                                                                    | CRef                                                                                                          | V | Comments |
| 1                                  |       | (TCV_Ccd0H := CntrlChDscrp(att, babr, cch_con, bpm, t3212))                                              |                                                                                                               |   |          |
| 2                                  |       | L!DL_UdatRqSchinfo (DL_UdatRqSchinfo.msg.ncc := '111'B)                                                  | SyncInfo(C_SCH_H)                                                                                             |   | 1.       |
| 3                                  |       | (TCV_sysinfo6_H := SysInf6_MM(C_ci_cellH, LocAreaId_10, CellOpt_02))                                     |                                                                                                               |   |          |
| 4                                  |       | L!DL_UdatRqSysinfo4                                                                                      | SysInfo4_MM(C_BCC_H_H_1, LocAreaId_10, CellSelPara_03, RachCntrlPara_04)                                      |   |          |
| 5                                  |       | L!DL_UdatRqSysinfo1_nh                                                                                   | SysInfo1_nh_07(C_BCCH_H_1, C_ci_cellH, LocAreaId_10, TCV_Ccd0H, CellOpt_02, CellSelPara_03, RachCntrlPara_04) |   |          |
| 6                                  |       | L!DL_UdatRqSysinfo3                                                                                      | SysInfo3_07(C_BCCH_H_1, C_ci_cellH, LocAreaId_10, TCV_Ccd0H, CellOpt_02, CellSelPara_03, RachCntrlPara_04)    |   |          |
| 7                                  |       | L!DL_UdatRqSysinfo2                                                                                      | SysInfo2_07(C_BCC_H_H_1, BcchFreqLst_12, RachCntrlPara_04)                                                    |   |          |
| 8                                  |       | (TCV_sysinfo5_H := SysInf5(BcchFreqLst_12))                                                              |                                                                                                               |   |          |
| <b>Detailed Comments:</b>          |       | 1. To send SYNCHRONIZATION INFORMATION message with parameters for cell H.                               |                                                                                                               |   |          |

| Test Step Dynamic Behaviour                                                                                                                                                                                               |       |                                                                                                                                                                                  |                                                                                                                                                                 |   |          |
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| <b>Test Step Name:</b> SysInfoSending_9(t, retr, att: INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                                 |       |                                                                                                                                                                                  |                                                                                                                                                                 |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                                                                                                      |       |                                                                                                                                                                                  |                                                                                                                                                                 |   |          |
| <b>Objective:</b> To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages with default parameters except Tx-integer, Max-Retrans which are specified by input parameters and radio-link-timeout = 64. |       |                                                                                                                                                                                  |                                                                                                                                                                 |   |          |
| <b>Default:</b> OtherEvents                                                                                                                                                                                               |       |                                                                                                                                                                                  |                                                                                                                                                                 |   |          |
| <b>Comments:</b> The values of SYSTEM INFORMATION messages are also controlled by another two test suite parameters, TSPC_GSM and TSPX_AltNb.                                                                             |       |                                                                                                                                                                                  |                                                                                                                                                                 |   |          |
| Nr                                                                                                                                                                                                                        | Label | Behaviour Description                                                                                                                                                            | CRef                                                                                                                                                            | V | Comments |
| 1                                                                                                                                                                                                                         |       | (TCV_Tx := OC_CnvtTx(t), TCV_Max := OC_CnvtMax(retr), TCV_Null := OM_PgFill(C_CellA, PgReqTp1Norm), TCV_Neci := '0'B, TCV_Ccd0A := CntrlChDscrp(att, babr, cch_con, bpm, t3212)) |                                                                                                                                                                 |   |          |
| 2                                                                                                                                                                                                                         |       | L!DL_UdatRqSchinfo                                                                                                                                                               | SyncInfo(C_SCH_A)                                                                                                                                               |   | 1.       |
| 3                                                                                                                                                                                                                         |       | (TCV_sysinfo6 := SysInf6(C_ci_cellA, C_PLMN_1, C_lacellA, CellOpt_01), TCV_sysinfo6.co.rlt := '1111'B)                                                                           |                                                                                                                                                                 |   |          |
| 4                                                                                                                                                                                                                         |       | +gsmOrDcs                                                                                                                                                                        |                                                                                                                                                                 |   |          |
|                                                                                                                                                                                                                           |       | <b>gsmOrDcs</b>                                                                                                                                                                  |                                                                                                                                                                 |   |          |
| 5                                                                                                                                                                                                                         |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                         |                                                                                                                                                                 |   | 2.       |
| 6                                                                                                                                                                                                                         |       | L!DL_UdatRqSysinfo4                                                                                                                                                              | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvlG, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment)                                        |   |          |
| 7                                                                                                                                                                                                                         |       | LIDL_UdatRqSysinfo1_nh<br>(DL_UdatRqSysinfo1_nh.msg.co.rlt := '1111'B)                                                                                                           | SysInfo1_nh(C_BCH_H_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvlG, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment) |   |          |
| 8                                                                                                                                                                                                                         |       | LIDL_UdatRqSysinfo3 (<br>DL_UdatRqSysinfo3.msg.co.rlt := '1111'B)                                                                                                                | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvlG, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment)     |   |          |
| 9                                                                                                                                                                                                                         |       | [TSPX_AltNb = TRUE]                                                                                                                                                              |                                                                                                                                                                 |   |          |
| 10                                                                                                                                                                                                                        |       | L!DL_UdatRqSysinfo2                                                                                                                                                              | SysInfo2(C_BCCH_A_1, BcchFreqLst_02, TCV_Max, TCV_Tx, C_Restablishment)                                                                                         |   |          |
| 11                                                                                                                                                                                                                        |       | (TCV_sysinfo5 := SysInf5(BcchFreqLst_02))                                                                                                                                        |                                                                                                                                                                 |   |          |
| 12                                                                                                                                                                                                                        |       | [TSPX_AltNb = FALSE]                                                                                                                                                             |                                                                                                                                                                 |   |          |
| 13                                                                                                                                                                                                                        |       | L!DL_UdatRqSysinfo2                                                                                                                                                              | SysInfo2(C_BCCH_A_1, BcchFreqLst_01, TCV_Max, TCV_Tx, C_Restablishment)                                                                                         |   |          |
| 14                                                                                                                                                                                                                        |       | (TCV_sysinfo5 := SysInf5(BcchFreqLst_01))                                                                                                                                        |                                                                                                                                                                 |   |          |
| 15                                                                                                                                                                                                                        |       | [TSPC_DCS]                                                                                                                                                                       |                                                                                                                                                                 |   | 3.       |
| 16                                                                                                                                                                                                                        |       | L!DL_UdatRqSysinfo4                                                                                                                                                              | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvlG,                                                                                     |   |          |

|                                                                                                                                                                                                                                                                                                        |                                                                        |                                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 17                                                                                                                                                                                                                                                                                                     | L!DL_UdatRqSysinfo1_nh<br>(DL_UdatRqSysinfo1_nh.msg.co.rlt := '1111'B) | TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_Restablishment)<br>SysInfo1_nh(C_BCC<br>H_A_1, C_ci_cellA,<br>C_PLMN_1,<br>C_lacellA,<br>TCV_Ccd0A,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvID,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_Restablishment) |
| 18                                                                                                                                                                                                                                                                                                     | L!DL_UdatRqSysinfo3 (<br>DL_UdatRqSysinfo3.msg.co.rlt := '1111'B)      | SysInfo3(C_BCCH_A<br>_1, C_ci_cellA,<br>C_PLMN_1,<br>C_lacellA,<br>TCV_Ccd0A,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvID,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_Restablishment)                                                          |
| 19                                                                                                                                                                                                                                                                                                     | [TSPX_AltNb = TRUE]                                                    |                                                                                                                                                                                                                                                     |
| 20                                                                                                                                                                                                                                                                                                     | L!DL_UdatRqSysinfo2                                                    | SysInfo2(C_BCCH_A<br>_1, BcchFreqLst_04,<br>TCV_Max, TCV_Tx,<br>C_Restablishment)                                                                                                                                                                   |
| 21                                                                                                                                                                                                                                                                                                     | (TCV_sysinfo5 :=<br>SysInf5(BcchFreqLst_04))                           |                                                                                                                                                                                                                                                     |
| 22                                                                                                                                                                                                                                                                                                     | [TSPX_AltNb = FALSE]                                                   |                                                                                                                                                                                                                                                     |
| 23                                                                                                                                                                                                                                                                                                     | L!DL_UdatRqSysinfo2                                                    | SysInfo2(C_BCCH_A<br>_1, BcchFreqLst_48,<br>TCV_Max, TCV_Tx,<br>C_Restablishment)                                                                                                                                                                   |
| 24                                                                                                                                                                                                                                                                                                     | (TCV_sysinfo5 :=<br>SysInf5(BcchFreqLst_48))                           |                                                                                                                                                                                                                                                     |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                              |                                                                        |                                                                                                                                                                                                                                                     |
| <ol style="list-style-type: none"> <li>1. To send SYNCHRONIZATION INFORMATION message with default parameter for cell A.</li> <li>2. To send SYSTEM INFORMATION TYPE 2 and 5 messages for GSM900 testing.</li> <li>3. To send SYSTEM INFORMATION TYPE 2 and 5 messages for DCS1800 testing.</li> </ol> |                                                                        |                                                                                                                                                                                                                                                     |

| Test Step Dynamic Behaviour |       |                                                                                                                          |                                                                                                                                                               |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | SysInfoSending_10(bcchlst1, bcchlst2 :NCD; pwrctl:BITSTRING; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)     |                                                                                                                                                               |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                   |                                                                                                                                                               |   |          |
| <b>Objective:</b>           |       | To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell A (cell S1) for measurement testing. |                                                                                                                                                               |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                              |                                                                                                                                                               |   |          |
| Nr                          | Label | Behaviour Description                                                                                                    | CRef                                                                                                                                                          | V | Comments |
| 1                           |       | (TCV_Tx := '0010'B, TCV_Max := '00'B, TCV_Neci := '0'B, TCV_Ccd0A := CntrlChDscrp(att, babr, cch_con, bpm, t3212))       |                                                                                                                                                               |   |          |
| 2                           |       | L!DL_UdatRqSchinfo (DL_UdatRqSchinfo.msg.bcc := '011'B)                                                                  | SyncInfo(C_SCH_A)                                                                                                                                             |   |          |
| 3                           |       | (TCV_sysinfo6 := SysInf6( C_ci_cellA, C_PLMN_1, C_lacellA, CellOpt_01), TCV_sysinfo6.co.pwrctl := pwrctl)                |                                                                                                                                                               |   |          |
| 4                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                 |                                                                                                                                                               |   |          |
| 5                           |       | L!DL_UdatRqSysinfo1                                                                                                      | SysInfo1(C_BCCH_A_1, CellChDes_02, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                       |   |          |
| 6                           |       | L!DL_UdatRqSysinfo4                                                                                                      | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 7                           |       | L!DL_UdatRqSysinfo3                                                                                                      | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| 8                           |       | L!DL_UdatRqSysinfo2                                                                                                      | SysInfo2(C_BCCH_A_1, bcchlst1, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                           |   |          |
| 9                           |       | (TCV_sysinfo5 := SysInf5(bcchlst1))                                                                                      |                                                                                                                                                               |   |          |
| 10                          |       | [TSPC_DCS]                                                                                                               |                                                                                                                                                               |   |          |
| 11                          |       | L!DL_UdatRqSysinfo1                                                                                                      | SysInfo1(C_BCCH_A_1, CellChDes_03, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                       |   |          |
| 12                          |       | L!DL_UdatRqSysinfo4                                                                                                      | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 13                          |       | L!DL_UdatRqSysinfo3                                                                                                      | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| 14                          |       | L!DL_UdatRqSysinfo2                                                                                                      | SysInfo2(C_BCCH_A_1, bcchlst2, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                           |   |          |

|                           |  |                                     |  |  |  |
|---------------------------|--|-------------------------------------|--|--|--|
| 15                        |  | (TCV_sysinfo5 := SysInf5(bcchlst2)) |  |  |  |
| <b>Detailed Comments:</b> |  |                                     |  |  |  |



| Test Step Dynamic Behaviour |       |                                                                                                                          |                                                                                                                                                               |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | SysInfoSending_11(bcchfl_gsm, bcchfl_dcs :NCD; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                   |                                                                                                                                                               |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                   |                                                                                                                                                               |   |          |
| <b>Objective:</b>           |       | To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell B (cell N1) for measurement testing. |                                                                                                                                                               |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                              |                                                                                                                                                               |   |          |
| Nr                          | Label | Behaviour Description                                                                                                    | CRef                                                                                                                                                          | V | Comments |
| 1                           |       | (TCV_Tx := '0010'B, TCV_Max := '00'B, TCV_Neci := '0'B, TCV_Ccd0B := CntrlChDscrp(att, babr, cch_con, bpm, t3212))       |                                                                                                                                                               |   |          |
| 2                           |       | L!DL_UdatRqSchinfo (DL_UdatRqSchinfo.msg.bcc := '101'B)                                                                  | SynInfo(C_SCH_B)                                                                                                                                              |   |          |
| 3                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                 |                                                                                                                                                               |   |          |
| 4                           |       | L!DL_UdatRqSysinfo4                                                                                                      | SysInfo4(C_BCCH_B_1, C_PLMN_1, C_lacellB, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 5                           |       | L!DL_UdatRqSysinfo3                                                                                                      | SysInfo3(C_BCCH_B_1, C_ci_cellB, C_PLMN_1, C_lacellB, TCV_Ccd0B, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| 6                           |       | L!DL_UdatRqSysinfo2                                                                                                      | SysInfo2(C_BCCH_B_1, bcchfl_gsm, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                         |   |          |
| 7                           |       | L!DL_UdatRqSysinfo1                                                                                                      | SysInfo1(C_BCCH_B_1, CellChDes_05, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                       |   |          |
| 8                           |       | [TSPC_DCS]                                                                                                               |                                                                                                                                                               |   |          |
| 9                           |       | L!DL_UdatRqSysinfo4                                                                                                      | SysInfo4(C_BCCH_B_1, C_PLMN_1, C_lacellB, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 10                          |       | L!DL_UdatRqSysinfo3                                                                                                      | SysInfo3(C_BCCH_B_1, C_ci_cellB, C_PLMN_1, C_lacellB, TCV_Ccd0B, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| 11                          |       | L!DL_UdatRqSysinfo2                                                                                                      | SysInfo2(C_BCCH_B_1, bcchfl_dcs, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                         |   |          |
| 12                          |       | L!DL_UdatRqSysinfo1                                                                                                      | SysInfo1(C_BCCH_B_1, CellChDes_05d, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                          |                                                                                                                                                               |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                          |                                                                                                                                                               |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | SysInfoSending_12(bcchfl_gsm, bcchfl_dcs :NCD; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                   |                                                                                                                                                               |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                   |                                                                                                                                                               |   |          |
| <b>Objective:</b>           |       | To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell C (cell N2) for measurement testing. |                                                                                                                                                               |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                              |                                                                                                                                                               |   |          |
| Nr                          | Label | Behaviour Description                                                                                                    | CRef                                                                                                                                                          | V | Comments |
| 1                           |       | (TCV_Tx := '0010'B, TCV_Max := '00'B, TCV_Neci := '0'B, TCV_Ccd0C := CntrlChDscrp(att, babr, cch_con, bpm, t3212))       |                                                                                                                                                               |   |          |
| 2                           |       | L!DL_UdatRqSchinfo (DL_UdatRqSchinfo.msg.bcc := '111'B)                                                                  | SyncInfo(C_SCH_C)                                                                                                                                             |   |          |
| 3                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                 |                                                                                                                                                               |   |          |
| 4                           |       | L!DL_UdatRqSysinfo1                                                                                                      | SysInfo1(C_BCCH_C_1, CellChDes_06, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                       |   |          |
| 5                           |       | L!DL_UdatRqSysinfo2                                                                                                      | SysInfo2(C_BCCH_C_1, bcchfl_gsm, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                         |   |          |
| 6                           |       | L!DL_UdatRqSysinfo4                                                                                                      | SysInfo4(C_BCCH_C_1, C_PLMN_1, C_lacellC, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 7                           |       | L!DL_UdatRqSysinfo3                                                                                                      | SysInfo3(C_BCCH_C_1, C_ci_cellC, C_PLMN_1, C_lacellC, TCV_Ccd0C, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| 8                           |       | [TSPC_DCS]                                                                                                               |                                                                                                                                                               |   |          |
| 9                           |       | L!DL_UdatRqSysinfo1                                                                                                      | SysInfo1(C_BCCH_C_1, CellChDes_06d, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                      |   |          |
| 10                          |       | L!DL_UdatRqSysinfo2                                                                                                      | SysInfo2(C_BCCH_C_1, bcchfl_dcs, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                         |   |          |
| 11                          |       | L!DL_UdatRqSysinfo4                                                                                                      | SysInfo4(C_BCCH_C_1, C_PLMN_1, C_lacellC, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 12                          |       | L!DL_UdatRqSysinfo3                                                                                                      | SysInfo3(C_BCCH_C_1, C_ci_cellC, C_PLMN_1, C_lacellC, TCV_Ccd0C, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                          |                                                                                                                                                               |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                          |                                                                                                                                                                 |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | SysInfoSending_13(Ncc:BITSTRING; bcchfl_gsm, bcchfl_dcs :NCD; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)    |                                                                                                                                                                 |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                   |                                                                                                                                                                 |   |          |
| <b>Objective:</b>           |       | To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell D (cell N3) for measurement testing. |                                                                                                                                                                 |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                              |                                                                                                                                                                 |   |          |
| Nr                          | Label | Behaviour Description                                                                                                    | CRef                                                                                                                                                            | V | Comments |
| 1                           |       | (TCV_Tx := '0010'B, TCV_Max := '00'B, TCV_Neci := '0'B, TCV_Ccd0D := CntrlChDscrp(att, babr, cch_con, bpm, t3212))       |                                                                                                                                                                 |   |          |
| 2                           |       | L!DL_UdatRqSchinfo (DL_UdatRqSchinfo.msg.bcc := '001'B, DL_UdatRqSchinfo.msg.ncc := Ncc)                                 | SynInfo(C_SCH_D)                                                                                                                                                |   |          |
| 3                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                 |                                                                                                                                                                 |   |          |
| 4                           |       | L!DL_UdatRqSysinfo1                                                                                                      | SysInfo1(C_BCCH_D_1, CellChDes_07, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                         |   |          |
| 5                           |       | L!DL_UdatRqSysinfo2                                                                                                      | SysInfo2(C_BCCH_D_1, bcchfl_gsm, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                           |   |          |
| 6                           |       | L!DL_UdatRqSysinfo4                                                                                                      | SysInfo4(C_BCCH_D_1, C_PLMN_1, C_lacellID, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                     |   |          |
| 7                           |       | L!DL_UdatRqSysinfo3                                                                                                      | SysInfo3(C_BCCH_D_1, C_ci_cellID, C_PLMN_1, C_lacellID, TCV_Ccd0D, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| 8                           |       | [TSPC_DCS]                                                                                                               |                                                                                                                                                                 |   |          |
| 9                           |       | L!DL_UdatRqSysinfo1                                                                                                      | SysInfo1(C_BCCH_D_1, CellChDes_07d, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                        |   |          |
| 10                          |       | L!DL_UdatRqSysinfo2                                                                                                      | SysInfo2(C_BCCH_D_1, bcchfl_dcs, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                           |   |          |
| 11                          |       | L!DL_UdatRqSysinfo4                                                                                                      | SysInfo4(C_BCCH_D_1, C_PLMN_1, C_lacellID, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                     |   |          |
| 12                          |       | L!DL_UdatRqSysinfo3                                                                                                      | SysInfo3(C_BCCH_D_1, C_ci_cellID, C_PLMN_1, C_lacellID, TCV_Ccd0D, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                          |                                                                                                                                                                 |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                          |                                                                                                                                                                |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | SysInfoSending_14(Ncc:BITSTRING; bcchfl_gsm, bcchfl_dcs :NCD;att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)     |                                                                                                                                                                |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                   |                                                                                                                                                                |   |          |
| <b>Objective:</b>           |       | To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell E (cell N4) for measurement testing. |                                                                                                                                                                |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                              |                                                                                                                                                                |   |          |
| Nr                          | Label | Behaviour Description                                                                                                    | CRef                                                                                                                                                           | V | Comments |
| 1                           |       | (TCV_Tx := '0010'B, TCV_Max := '00'B, TCV_Neci := '0'B, TCV_Ccd0E := CntrlChDscrp(att, babr, cch_con, bpm, t3212))       |                                                                                                                                                                |   |          |
| 2                           |       | L!DL_UdatRqSchinfo (DL_UdatRqSchinfo.msg.bcc := '011'B, DL_UdatRqSchinfo.msg.ncc := Ncc)                                 | SyncInfo(C_SCH_E)                                                                                                                                              |   |          |
| 3                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                 |                                                                                                                                                                |   |          |
| 4                           |       | L!DL_UdatRqSysinfo1                                                                                                      | SysInfo1(C_BCCH_E_1, CellChDes_08, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                        |   |          |
| 5                           |       | L!DL_UdatRqSysinfo2                                                                                                      | SysInfo2(C_BCCH_E_1, bcchfl_gsm, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                          |   |          |
| 6                           |       | L!DL_UdatRqSysinfo4                                                                                                      | SysInfo4(C_BCCH_E_1, C_PLMN_1, C_lacelleE, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 7                           |       | L!DL_UdatRqSysinfo3                                                                                                      | SysInfo3(C_BCCH_E_1, C_ci_cellE, C_PLMN_1, C_lacelleE, TCV_Ccd0E, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| 8                           |       | [TSPC_DCS]                                                                                                               |                                                                                                                                                                |   |          |
| 9                           |       | L!DL_UdatRqSysinfo1                                                                                                      | SysInfo1(C_BCCH_E_1, CellChDes_08d, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                       |   |          |
| 10                          |       | L!DL_UdatRqSysinfo2                                                                                                      | SysInfo2(C_BCCH_E_1, bcchfl_dcs, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                          |   |          |
| 11                          |       | L!DL_UdatRqSysinfo4                                                                                                      | SysInfo4(C_BCCH_E_1, C_PLMN_1, C_lacelleE, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 12                          |       | L!DL_UdatRqSysinfo3                                                                                                      | SysInfo3(C_BCCH_E_1, C_ci_cellE, C_PLMN_1, C_lacelleE, TCV_Ccd0E, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                          |                                                                                                                                                                |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                          |                                                                                                                                                               |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | SysInfoSending_15(Ncc:BITSTRING; bcchfl_gsm, bcchfl_dcs :NCD; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)    |                                                                                                                                                               |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                   |                                                                                                                                                               |   |          |
| <b>Objective:</b>           |       | To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell F (cell N5) for measurement testing. |                                                                                                                                                               |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                              |                                                                                                                                                               |   |          |
| Nr                          | Label | Behaviour Description                                                                                                    | CRef                                                                                                                                                          | V | Comments |
| 1                           |       | (TCV_Tx := '0010'B, TCV_Max := '00'B, TCV_Neci := '0'B, TCV_Ccd0F := CntrlChDscrp(att, babr, cch_con, bpm, t3212))       |                                                                                                                                                               |   |          |
| 2                           |       | L!DL_UdatRqSchinfo (DL_UdatRqSchinfo.msg.bcc := '101'B, DL_UdatRqSchinfo.msg.ncc := Ncc)                                 | SynInfo(C_SCH_F)                                                                                                                                              |   |          |
| 3                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                 |                                                                                                                                                               |   |          |
| 4                           |       | L!DL_UdatRqSysinfo1                                                                                                      | SysInfo1(C_BCCH_F_1, CellChDes_09, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                       |   |          |
| 5                           |       | L!DL_UdatRqSysinfo2                                                                                                      | SysInfo2(C_BCCH_F_1, bcchfl_gsm, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                         |   |          |
| 6                           |       | L!DL_UdatRqSysinfo4                                                                                                      | SysInfo4(C_BCCH_F_1, C_PLMN_1, C_lacellF, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 7                           |       | L!DL_UdatRqSysinfo3                                                                                                      | SysInfo3(C_BCCH_F_1, C_ci_cellF, C_PLMN_1, C_lacellF, TCV_Ccd0F, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| 8                           |       | [TSPC_DCS]                                                                                                               |                                                                                                                                                               |   |          |
| 9                           |       | L!DL_UdatRqSysinfo1                                                                                                      | SysInfo1(C_BCCH_F_1, CellChDes_09d, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                      |   |          |
| 10                          |       | L!DL_UdatRqSysinfo2                                                                                                      | SysInfo2(C_BCCH_F_1, bcchfl_dcs, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                         |   |          |
| 11                          |       | L!DL_UdatRqSysinfo4                                                                                                      | SysInfo4(C_BCCH_F_1, C_PLMN_1, C_lacellF, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 12                          |       | L!DL_UdatRqSysinfo3                                                                                                      | SysInfo3(C_BCCH_F_1, C_ci_cellF, C_PLMN_1, C_lacellF, TCV_Ccd0F, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                          |                                                                                                                                                               |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                          |                                                                                                                                                               |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | SysInfoSending_16(bcchfl_gsm, bcchfl_dcs :NCD; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                   |                                                                                                                                                               |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                   |                                                                                                                                                               |   |          |
| <b>Objective:</b>           |       | To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell G (cell N6) for measurement testing. |                                                                                                                                                               |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                              |                                                                                                                                                               |   |          |
| Nr                          | Label | Behaviour Description                                                                                                    | CRef                                                                                                                                                          | V | Comments |
| 1                           |       | (TCV_Tx := '0010'B, TCV_Max := '00'B, TCV_Neci := '0'B, TCV_Ccd0G := CntrlChDscrp(att, babr, cch_con, bpm, t3212))       |                                                                                                                                                               |   |          |
| 2                           |       | LIDL_UdatRqSchinfo (DL_UdatRqSchinfo.msg.bcc := '111'B)                                                                  | SyncInfo(C_SCH_G)                                                                                                                                             |   |          |
| 3                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                 |                                                                                                                                                               |   |          |
| 4                           |       | LIDL_UdatRqSysinfo1                                                                                                      | SysInfo1(C_BCCH_G_1, CellChDes_10, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                       |   |          |
| 5                           |       | LIDL_UdatRqSysinfo2                                                                                                      | SysInfo2(C_BCCH_G_1, bcchfl_gsm, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                         |   |          |
| 6                           |       | LIDL_UdatRqSysinfo4                                                                                                      | SysInfo4(C_BCCH_G_1, C_PLMN_1, C_lacellG, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 7                           |       | LIDL_UdatRqSysinfo3                                                                                                      | SysInfo3(C_BCCH_G_1, C_ci_cellG, C_PLMN_1, C_lacellG, TCV_Ccd0G, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| 8                           |       | [TSPC_DCS]                                                                                                               |                                                                                                                                                               |   |          |
| 9                           |       | LIDL_UdatRqSysinfo1                                                                                                      | SysInfo1(C_BCCH_G_1, CellChDes_10d, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                      |   |          |
| 10                          |       | LIDL_UdatRqSysinfo2                                                                                                      | SysInfo2(C_BCCH_G_1, bcchfl_dcs, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                         |   |          |
| 11                          |       | LIDL_UdatRqSysinfo4                                                                                                      | SysInfo4(C_BCCH_G_1, C_PLMN_1, C_lacellG, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 12                          |       | LIDL_UdatRqSysinfo3                                                                                                      | SysInfo3(C_BCCH_G_1, C_ci_cellG, C_PLMN_1, C_lacellG, TCV_Ccd0G, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                          |                                                                                                                                                               |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                          |                                                                                                                                                               |   |          |
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| <b>Test Step Name:</b>      |       | SysInfoSending_17(bcchfl_gsm, bcchfl_dcs :NCD; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                   |                                                                                                                                                               |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                   |                                                                                                                                                               |   |          |
| <b>Objective:</b>           |       | To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell H (cell N7) for measurement testing. |                                                                                                                                                               |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                              |                                                                                                                                                               |   |          |
| Nr                          | Label | Behaviour Description                                                                                                    | CRef                                                                                                                                                          | V | Comments |
| 1                           |       | (TCV_Tx := '0010'B, TCV_Max := '00'B, TCV_Neci := '0'B, TCV_Ccd0H := CntrlChDscrp(att, babr, cch_con, bpm, t3212))       |                                                                                                                                                               |   |          |
| 2                           |       | L!DL_UdatRqSchinfo (DL_UdatRqSchinfo.msg.bcc := '001'B)                                                                  | SynInfo(C_SCH_H)                                                                                                                                              |   |          |
| 3                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                 |                                                                                                                                                               |   |          |
| 4                           |       | L!DL_UdatRqSysinfo1                                                                                                      | SysInfo1(C_BCCH_H_1, CellChDes_11, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                       |   |          |
| 5                           |       | L!DL_UdatRqSysinfo2                                                                                                      | SysInfo2(C_BCCH_H_1, bcchfl_gsm, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                         |   |          |
| 6                           |       | L!DL_UdatRqSysinfo4                                                                                                      | SysInfo4(C_BCCH_H_1, C_PLMN_1, C_lacellH, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 7                           |       | L!DL_UdatRqSysinfo3                                                                                                      | SysInfo3(C_BCCH_H_1, C_ci_cellH, C_PLMN_1, C_lacellH, TCV_Ccd0H, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| 8                           |       | [TSPC_DCS]                                                                                                               |                                                                                                                                                               |   |          |
| 9                           |       | L!DL_UdatRqSysinfo1                                                                                                      | SysInfo1(C_BCCH_H_1, CellChDes_11d, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                      |   |          |
| 10                          |       | L!DL_UdatRqSysinfo2                                                                                                      | SysInfo2(C_BCCH_H_1, bcchfl_dcs, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                         |   |          |
| 11                          |       | L!DL_UdatRqSysinfo4                                                                                                      | SysInfo4(C_BCCH_H_1, C_PLMN_1, C_lacellH, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 12                          |       | L!DL_UdatRqSysinfo3                                                                                                      | SysInfo3(C_BCCH_H_1, C_ci_cellH, C_PLMN_1, C_lacellH, TCV_Ccd0H, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                          |                                                                                                                                                               |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                      |                                                                                                                                                               |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | SysInfoSending_18(att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                            |                                                                                                                                                               |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                                                                               |                                                                                                                                                               |   |          |
| <b>Objective:</b>           |       | To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages in cell A (cell S1) for measurement testing. The DTX is set to "MS shall use discontinuous transmission. |                                                                                                                                                               |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                          |                                                                                                                                                               |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                | CRef                                                                                                                                                          | V | Comments |
| 1                           |       | (TCV_Tx := '0010'B, TCV_Max := '00'B, TCV_Neci := '0'B, TCV_Ccd0A := CntrlChDscrp(att, babr, cch_con, bpm, t3212))                                                                   |                                                                                                                                                               |   |          |
| 2                           |       | LIDL_UdatRqSchinfo (DL_UdatRqSchinfo.msg.bcc := '011'B)                                                                                                                              | SyncInfo(C_SCH_A)                                                                                                                                             |   |          |
| 3                           |       | (TCV_sysinfo6 := SysInf6(C_ci_cellA, C_PLMN_1, C_lacellA, CellOpt_03))                                                                                                               |                                                                                                                                                               |   |          |
| 4                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                             |                                                                                                                                                               |   |          |
| 5                           |       | LIDL_UdatRqSysinfo1                                                                                                                                                                  | SysInfo1(C_BCCH_A_1, CellChDes_02, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                       |   |          |
| 6                           |       | LIDL_UdatRqSysinfo4                                                                                                                                                                  | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 7                           |       | LIDL_UdatRqSysinfo3                                                                                                                                                                  | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_03, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| 8                           |       | LIDL_UdatRqSysinfo2                                                                                                                                                                  | SysInfo2(C_BCCH_A_1, BcchFreqLst_35, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                     |   |          |
| 9                           |       | (TCV_sysinfo5 := SysInf5(BcchFreqLst_35))                                                                                                                                            |                                                                                                                                                               |   |          |
| 10                          |       | [TSPC_DCS]                                                                                                                                                                           |                                                                                                                                                               |   |          |
| 11                          |       | LIDL_UdatRqSysinfo1                                                                                                                                                                  | SysInfo1(C_BCCH_A_1, CellChDes_03, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                       |   |          |
| 12                          |       | LIDL_UdatRqSysinfo4                                                                                                                                                                  | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 13                          |       | LIDL_UdatRqSysinfo3                                                                                                                                                                  | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_03, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| 14                          |       | LIDL_UdatRqSysinfo2                                                                                                                                                                  | SysInfo2(C_BCCH_A_1, BcchFreqLst_27, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                     |   |          |



|                           |  |                                              |  |  |  |
|---------------------------|--|----------------------------------------------|--|--|--|
| 15                        |  | (TCV_sysinfo5 :=<br>SysInf5(BcchFreqLst_27)) |  |  |  |
| <b>Detailed Comments:</b> |  |                                              |  |  |  |

| Test Step Dynamic Behaviour |       |                                                                                                                          |                                                                                                                                                    |   |          |
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| <b>Test Step Name:</b>      |       | SysInfoSending_19(Re:BITSTRING; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                  |                                                                                                                                                    |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                   |                                                                                                                                                    |   |          |
| <b>Objective:</b>           |       | To send system information messages with default parameters defined for the L3 tests except Cell-Reselect-Hysteresis = 0 |                                                                                                                                                    |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                              |                                                                                                                                                    |   |          |
| <b>Comments:</b>            |       | used in TC_26_8_2_1, TCV_26_8_2_2                                                                                        |                                                                                                                                                    |   |          |
| Nr                          | Label | Behaviour Description                                                                                                    | CRef                                                                                                                                               | V | Comments |
| 1                           |       | (TCV_Tx := '0010'B, TCV_Max := '00'B, TCV_Neci := '0'B, TCV_Ccd0A := CntrlChDscrp(att, babr, cch_con, bpm, t3212))       |                                                                                                                                                    |   |          |
| 2                           |       | (TCV_sysinfo6 := SysInf6(C_ci_cellA, C_PLMN_1, C_laccellA, CellOpt_01))                                                  |                                                                                                                                                    |   |          |
| 3                           |       | LIDL_UdatRqSchinfo                                                                                                       | SyncInfo(C_SCH_A)                                                                                                                                  |   | 1.       |
| 4                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                 |                                                                                                                                                    |   | 1.       |
| 5                           |       | LIDL_UdatRqSysinfo4                                                                                                      | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_laccellA, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, Re)                                        |   |          |
| 6                           |       | LIDL_UdatRqSysinfo1_nh                                                                                                   | SysInfo1_nh(C_BCH_H_A_1, C_ci_cellA, C_PLMN_1, C_laccellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, Re) |   |          |
| 7                           |       | LIDL_UdatRqSysinfo3                                                                                                      | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_laccellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, Re)     |   |          |
| 8                           |       | [TSPX_AltNb = TRUE]                                                                                                      |                                                                                                                                                    |   | 3.       |
| 9                           |       | (TCV_sysinfo5 := SysInf5(BcchFreqLst_02))                                                                                |                                                                                                                                                    |   |          |
| 10                          |       | LIDL_UdatRqSysinfo2                                                                                                      | SysInfo2(C_BCCH_A_1, BcchFreqLst_02, TCV_Max, TCV_Tx, Re)                                                                                          |   |          |
| 11                          |       | [TSPX_AltNb = FALSE]                                                                                                     |                                                                                                                                                    |   | 4.       |
| 12                          |       | (TCV_sysinfo5 := SysInf5(BcchFreqLst_45))                                                                                |                                                                                                                                                    |   |          |
| 13                          |       | LIDL_UdatRqSysinfo2                                                                                                      | SysInfo2(C_BCCH_A_1, BcchFreqLst_45, TCV_Max, TCV_Tx, Re)                                                                                          |   |          |
| 14                          |       | [TSPC_DCS]                                                                                                               |                                                                                                                                                    |   | 2.       |
| 15                          |       | LIDL_UdatRqSysinfo4                                                                                                      | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_laccellA, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, Re)                                        |   |          |
| 16                          |       | LIDL_UdatRqSysinfo1_nh                                                                                                   | SysInfo1_nh(C_BCH_H_A_1, C_ci_cellA, C_PLMN_1, C_laccellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max,             |   |          |

|                           |  |                                                                                                                                                                                                                                                             |                                                                                                                                                              |    |  |
|---------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--|
| 17                        |  | L!DL_UdatRqSysinfo3                                                                                                                                                                                                                                         | TCV_Tx, Re)<br>SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvlD, TCV_Neci, TCV_Max, TCV_Tx, Re) |    |  |
| 18                        |  | [TSPX_AltNb = TRUE]                                                                                                                                                                                                                                         |                                                                                                                                                              | 3. |  |
| 19                        |  | (TCV_sysinfo5 := SysInf5(BcchFreqLst_04))                                                                                                                                                                                                                   |                                                                                                                                                              |    |  |
| 20                        |  | L!DL_UdatRqSysinfo2                                                                                                                                                                                                                                         | SysInfo2(C_BCCH_A_1, BcchFreqLst_04, TCV_Max, TCV_Tx, Re)                                                                                                    |    |  |
| 21                        |  | [TSPX_AltNb = FALSE]                                                                                                                                                                                                                                        |                                                                                                                                                              | 4. |  |
| 22                        |  | (TCV_sysinfo5 := SysInf5(BcchFreqLst_03))                                                                                                                                                                                                                   |                                                                                                                                                              |    |  |
| 23                        |  | L!DL_UdatRqSysinfo2                                                                                                                                                                                                                                         | SysInfo2(C_BCCH_A_1, BcchFreqLst_03, TCV_Max, TCV_Tx, Re)                                                                                                    |    |  |
| <b>Detailed Comments:</b> |  | <ol style="list-style-type: none"> <li>1. For GSM900 mobile station testing.</li> <li>2. For DCS1800 mobile station testing.</li> <li>3. To use alternative neighbour cells description.</li> <li>4. To use default neighbour cells description.</li> </ol> |                                                                                                                                                              |    |  |

| <b>Test Step Dynamic Behaviour</b> |       |                                                                                                                                                                                        |                                                                                                                                                               |   |          |
|------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b>             |       | SysInfoSending_20(t: INTEGER; retr:INTEGER; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                    |                                                                                                                                                               |   |          |
| <b>Group:</b>                      |       | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                                                                                 |                                                                                                                                                               |   |          |
| <b>Objective:</b>                  |       | To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages with default parameters except CCCH_CONF, Tx-integer, Max-Retrans which are specified by input parameters. |                                                                                                                                                               |   |          |
| <b>Default:</b>                    |       | OtherEvents                                                                                                                                                                            |                                                                                                                                                               |   |          |
| <b>Comments:</b>                   |       | The values of SYSTEM INFORMATION messages are also controlled by another two test suite parameters, TSPC_PGSM and TSPX_AltNb.                                                          |                                                                                                                                                               |   |          |
| Nr                                 | Label | Behaviour Description                                                                                                                                                                  | CRef                                                                                                                                                          | V | Comments |
| 1                                  |       | (TCV_Tx := OC_CnvtTx(t), TCV_Max := OC_CnvtMax(retr), TCV_Null := OM_PgFill(C_CellA, PgReqTp1Norm), TCV_Neci := '0'B, TCV_Ccd0A := CntrlChDscrp(att, babr, cch_con, bpm, t3212))       |                                                                                                                                                               |   |          |
| 2                                  |       | LIDL_UdatRqSchinfo                                                                                                                                                                     | SynclInfo(C_SCH_A)                                                                                                                                            |   | 1.       |
| 3                                  |       | (TCV_sysinfo6 := SysInf6(C_ci_cellA, C_PLMN_1, C_lacellA, CellOpt_01))                                                                                                                 |                                                                                                                                                               |   |          |
| 4                                  |       | LIDL_UdatRqSysinfo1                                                                                                                                                                    | SysInfo1(C_BCCH_A_1, CellChDes_20_Aman, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                  |   | 2.       |
| 5                                  |       | LIDL_UdatRqSysinfo2                                                                                                                                                                    | SysInfo2(C_BCCH_A_1, BcchFreqLst_01, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                     |   |          |
| 6                                  |       | LIDL_UdatRqSysinfo4                                                                                                                                                                    | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 7                                  |       | (TCV_sysinfo5 := SysInf5(BcchFreqLst_01))                                                                                                                                              |                                                                                                                                                               |   |          |
| 8                                  |       | LIDL_UdatRqSysinfo3                                                                                                                                                                    | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| <b>Detailed Comments:</b>          |       | 1. To send SYNCHRONIZATION INFORMATION message with default parameter for cell A.<br>2. System Information Type 1 with Cell Channel Description for HO-testin in cell A (GSM900).      |                                                                                                                                                               |   |          |

| Test Step Dynamic Behaviour                                                                                                                                                                                 |       |                                                                                                                                                                                  |                                                                                                                                                               |   |          |
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| <b>Test Step Name:</b> SysInfoSending_201(t: INTEGER; retr:INTEGER;att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                  |       |                                                                                                                                                                                  |                                                                                                                                                               |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                                                                                        |       |                                                                                                                                                                                  |                                                                                                                                                               |   |          |
| <b>Objective:</b> To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages with default parameters except CCCH_CONF, Tx-integer, Max-Retrans which are specified by input parameters.    |       |                                                                                                                                                                                  |                                                                                                                                                               |   |          |
| <b>Default:</b> OtherEvents                                                                                                                                                                                 |       |                                                                                                                                                                                  |                                                                                                                                                               |   |          |
| <b>Comments:</b> The values of SYSTEM INFORMATION messages are also controlled by another two test suite parameters, TSPC_PGSM and TSPX_AltNb.<br>Cell Allocation for DCS1800 coded using range 256 format. |       |                                                                                                                                                                                  |                                                                                                                                                               |   |          |
| Nr                                                                                                                                                                                                          | Label | Behaviour Description                                                                                                                                                            | CRef                                                                                                                                                          | V | Comments |
| 1                                                                                                                                                                                                           |       | (TCV_Tx := OC_CnvtTx(t), TCV_Max := OC_CnvtMax(retr), TCV_Neci := '0'B, TCV_Null := OM_PgFill(C_CellA, PgReqTp1Norm), TCV_Ccd0A := CntrlChDscrp(att, babr, cch_con, bpm, t3212)) |                                                                                                                                                               |   |          |
| 2                                                                                                                                                                                                           |       | L!DL_UdatRqSchinfo                                                                                                                                                               | SynInfo(C_SCH_A)                                                                                                                                              |   | 1.       |
| 3                                                                                                                                                                                                           |       | (TCV_sysinfo6 := SysInf6(C_ci_cellA, C_PLMN_1, C_lacellA, CellOpt_01))                                                                                                           |                                                                                                                                                               |   |          |
| 4                                                                                                                                                                                                           |       | +gsmOrDcs                                                                                                                                                                        |                                                                                                                                                               |   |          |
|                                                                                                                                                                                                             |       | <b>gsmOrDcs</b>                                                                                                                                                                  |                                                                                                                                                               |   |          |
| 5                                                                                                                                                                                                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                         |                                                                                                                                                               |   | 2.       |
| 6                                                                                                                                                                                                           |       | L!DL_UdatRqSysinfo1                                                                                                                                                              | SysInfo1(C_BCCH_A_1, CellChDes_20_Aman, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                  |   | 3.       |
| 7                                                                                                                                                                                                           |       | LIDL_UdatRqSysinfo2                                                                                                                                                              | SysInfo2(C_BCCH_A_1, BcchFreqLst_01, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                     |   |          |
| 8                                                                                                                                                                                                           |       | LIDL_UdatRqSysinfo4                                                                                                                                                              | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 9                                                                                                                                                                                                           |       | LIDL_UdatRqSysinfo3                                                                                                                                                              | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| 10                                                                                                                                                                                                          |       | (TCV_sysinfo5 := SysInf5(BcchFreqLst_01))                                                                                                                                        |                                                                                                                                                               |   |          |
| 11                                                                                                                                                                                                          |       | [TSPC_DCS]                                                                                                                                                                       |                                                                                                                                                               |   | 4.       |
| 12                                                                                                                                                                                                          |       | L!DL_UdatRqSysinfo1                                                                                                                                                              | SysInfo1(C_BCCH_A_1, CellChDes_201_Ad, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                   |   | 5.       |
| 13                                                                                                                                                                                                          |       | LIDL_UdatRqSysinfo2                                                                                                                                                              | SysInfo2(C_BCCH_A_1, BcchFreqLst_48, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                     |   |          |
| 14                                                                                                                                                                                                          |       | LIDL_UdatRqSysinfo4                                                                                                                                                              | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 15                                                                                                                                                                                                          |       | L!DL_UdatRqSysinfo3                                                                                                                                                              | SysInfo3(C_BCCH_A                                                                                                                                             |   |          |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                             |                                                                                                                                                                          |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | (TCV_sysinfo5 :=<br>SysInf5(BchFreqLst_48)) | _1, C_ci_cellA,<br>C_PLMN_1,<br>C_lacellA,<br>TCV_Ccd0A,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvlID,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noRestablishment) |  |  |
| <b>Detailed Comments:</b> <ol style="list-style-type: none"> <li>1. To send SYNCHRONIZATION INFORMATION message with default parameter for cell A.</li> <li>2. To send SYSTEM INFORMATION TYPE 2 and 5 messages for GSM900 testing.</li> <li>3. System Information Type 1 with Cell Channel Description for HO-testin in cell A (GSM900).</li> <li>4. To send SYSTEM INFORMATION TYPE 2 and 5 messages for DCS1800 testing.</li> <li>5. System Information Type 1 with Cell Channel Description for HO-testin in cell A (DCS1800) using 256 format.</li> </ol> |  |                                             |                                                                                                                                                                          |  |  |

| Test Step Dynamic Behaviour                                                                                                                                                                                 |       |                                                                                                                                                                                  |                                                                                                                                                               |   |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b> SysInfoSending_202(bcchfl_gsm,bcchfl_dcs: NCD; t: INTEGER; retr:INTEGER; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                     |       |                                                                                                                                                                                  |                                                                                                                                                               |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                                                                                        |       |                                                                                                                                                                                  |                                                                                                                                                               |   |          |
| <b>Objective:</b> To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages with default parameters except CCCH_CONF, Tx-integer, Max-Retrans which are specified by input parameters.    |       |                                                                                                                                                                                  |                                                                                                                                                               |   |          |
| <b>Default:</b> OtherEvents                                                                                                                                                                                 |       |                                                                                                                                                                                  |                                                                                                                                                               |   |          |
| <b>Comments:</b> The values of SYSTEM INFORMATION messages are also controlled by another two test suite parameters, TSPC_PGSM and TSPX_AltNb.<br>Cell Allocation for DCS1800 coded using range 512 format. |       |                                                                                                                                                                                  |                                                                                                                                                               |   |          |
| Nr                                                                                                                                                                                                          | Label | Behaviour Description                                                                                                                                                            | CRef                                                                                                                                                          | V | Comments |
| 1                                                                                                                                                                                                           |       | (TCV_Tx := OC_CnvtTx(t), TCV_Max := OC_CnvtMax(retr), TCV_Neci := '0'B, TCV_Null := OM_PgFill(C_CellA, PgReqTp1Norm), TCV_Ccd0A := CntrlChDscrp(att, babr, cch_con, bpm, t3212)) |                                                                                                                                                               |   |          |
| 2                                                                                                                                                                                                           |       | L!DL_UdatRqSchinfo                                                                                                                                                               | SynInfo(C_SCH_A)                                                                                                                                              |   | 1.       |
| 3                                                                                                                                                                                                           |       | (TCV_sysinfo6 := SysInf6(C_ci_cellA, C_PLMN_1, C_lacellA, CellOpt_01))                                                                                                           |                                                                                                                                                               |   |          |
| 4                                                                                                                                                                                                           |       | +gsmOrDcs                                                                                                                                                                        |                                                                                                                                                               |   |          |
| <b>gsmOrDcs</b>                                                                                                                                                                                             |       |                                                                                                                                                                                  |                                                                                                                                                               |   |          |
| 5                                                                                                                                                                                                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                         |                                                                                                                                                               |   | 2.       |
| 6                                                                                                                                                                                                           |       | L!DL_UdatRqSysinfo1                                                                                                                                                              | SysInfo1(C_BCCH_A_1, CellChDes_20_Aman, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                  |   | 3.       |
| 7                                                                                                                                                                                                           |       | LIDL_UdatRqSysinfo2                                                                                                                                                              | SysInfo2(C_BCCH_A_1, bcchfl_gsm, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                         |   |          |
| 8                                                                                                                                                                                                           |       | LIDL_UdatRqSysinfo4                                                                                                                                                              | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 9                                                                                                                                                                                                           |       | LIDL_UdatRqSysinfo3                                                                                                                                                              | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| 10                                                                                                                                                                                                          |       | (TCV_sysinfo5 := SysInf5(bcchfl_gsm))                                                                                                                                            |                                                                                                                                                               |   |          |
| 11                                                                                                                                                                                                          |       | [TSPC_DCS]                                                                                                                                                                       |                                                                                                                                                               |   | 4.       |
| 12                                                                                                                                                                                                          |       | L!DL_UdatRqSysinfo1                                                                                                                                                              | SysInfo1(C_BCCH_A_1, CellChDes_202_Aman, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                 |   | 5.       |
| 13                                                                                                                                                                                                          |       | LIDL_UdatRqSysinfo2                                                                                                                                                              | SysInfo2(C_BCCH_A_1, bcchfl_dcs, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                         |   |          |
| 14                                                                                                                                                                                                          |       | LIDL_UdatRqSysinfo4                                                                                                                                                              | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 15                                                                                                                                                                                                          |       | L!DL_UdatRqSysinfo3                                                                                                                                                              | SysInfo3(C_BCCH_A                                                                                                                                             |   |          |

|                           |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|---------------------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 16                        | (TCV_sysinfo5 := SysInf5(bcchfl_dcs)) | _1, C_ci_cellA,<br>C_PLMN_1,<br>C_lacellA,<br>TCV_Ccd0A,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvID,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noReestablishment)                                                                                                                                                                                                                                                                                                                                            |  |
| <b>Detailed Comments:</b> |                                       | <ol style="list-style-type: none"> <li>1. To send SYNCHRONIZATION INFORMATION message with default parameter for cell A.</li> <li>2. To send SYSTEM INFORMATION TYPE 2 and 5 messages for GSM900 testing.</li> <li>3. System Information Type 1 with Cell Channel Description for HO-testin in cell A (GSM900).</li> <li>4. To send SYSTEM INFORMATION TYPE 2 and 5 messages for DCS1800 testing.</li> <li>5. System Information Type 1 with Cell Channel Description for HO-testin in cell A (DCS1800).</li> </ol> |  |



| Test Step Dynamic Behaviour |       |                                                                                                                                                                                        |                                                                                                                                                               |   |          |
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| <b>Test Step Name:</b>      |       | SysInfoSending_211(t: INTEGER; retr:INTEGER; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                   |                                                                                                                                                               |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                                                                                 |                                                                                                                                                               |   |          |
| <b>Objective:</b>           |       | To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages with default parameters except CCCH_CONF, Tx-integer, Max-Retrans which are specified by input parameters. |                                                                                                                                                               |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                            |                                                                                                                                                               |   |          |
| <b>Comments:</b>            |       | The values of SYSTEM INFORMATION messages are also controlled by another two test suite parameters, TSPC_PGSM and TSPX_AltNb.                                                          |                                                                                                                                                               |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                  | CRef                                                                                                                                                          | V | Comments |
| 1                           |       | (TCV_Tx := OC_CnvtTx(t), TCV_Max := OC_CnvtMax(retr), TCV_Neci := '0'B, TCV_Null := OM_PgFill(C_CellA, PgReqTp1Norm), TCV_Ccd0B := CntrlChDscrp(att, babr, cch_con, bpm, t3212))       |                                                                                                                                                               |   |          |
| 2                           |       | L!DL_UdatRqSchinfo                                                                                                                                                                     | SynInfo(C_SCH_B)                                                                                                                                              |   | 1.       |
| 3                           |       | (TCV_sysinfo6_B := SysInf6(C_ci_cellB, C_PLMN_1, C_lacellB, CellOpt_01))                                                                                                               |                                                                                                                                                               |   |          |
| 4                           |       | +gsmOrDcs                                                                                                                                                                              |                                                                                                                                                               |   |          |
|                             |       | <b>gsmOrDcs</b>                                                                                                                                                                        |                                                                                                                                                               |   |          |
| 5                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                               |                                                                                                                                                               |   | 3.       |
| 6                           |       | L!DL_UdatRqSysinfo1                                                                                                                                                                    | SysInfo1(C_BCCH_B_1, CellChDes_20_Bman, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                  |   | 4.       |
| 7                           |       | LIDL_UdatRqSysinfo2                                                                                                                                                                    | SysInfo2(C_BCCH_B_1, BcchFreqLst_01, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                     |   |          |
| 8                           |       | LIDL_UdatRqSysinfo4                                                                                                                                                                    | SysInfo4(C_BCCH_B_1, C_PLMN_1, C_lacellB, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   | 2.       |
| 9                           |       | LIDL_UdatRqSysinfo3                                                                                                                                                                    | SysInfo3(C_BCCH_B_1, C_ci_cellB, C_PLMN_1, C_lacellB, TCV_Ccd0B, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| 10                          |       | (TCV_sysinfo5_B := SysInf5(BcchFreqLst_01))                                                                                                                                            |                                                                                                                                                               |   |          |
| 11                          |       | [TSPC_DCS]                                                                                                                                                                             |                                                                                                                                                               |   | 5.       |
| 12                          |       | L!DL_UdatRqSysinfo1                                                                                                                                                                    | SysInfo1(C_BCCH_B_1, CellChDes_202_Bd, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                   |   | 6.       |
| 13                          |       | LIDL_UdatRqSysinfo2                                                                                                                                                                    | SysInfo2(C_BCCH_B_1, BcchFreqLst_48, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                     |   |          |
| 14                          |       | LIDL_UdatRqSysinfo4                                                                                                                                                                    | SysInfo4(C_BCCH_B_1, C_PLMN_1, C_lacellB, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   | 2.       |
| 15                          |       | L!DL_UdatRqSysinfo3 (DL_UdatRqSysinfo3.msg.lai.lac :=C_lacellB)                                                                                                                        | SysInfo3(C_BCCH_B_1, C_ci_cellB,                                                                                                                              |   |          |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                             |                                                                                                                                                      |  |  |
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| 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | (TCV_sysinfo5_B := SysInf5(BcchFreqLst_48)) | C_PLMN_1,<br>C_lacellB,<br>TCV_Ccd0B,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvID,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noRestablishment) |  |  |
| <p><b>Detailed Comments:</b></p> <ol style="list-style-type: none"> <li>1. To send SYNCHRONIZATION INFORMATION message with default parameter for cell A.</li> <li>2. To send SYSTEM INFORMATION TYPE 4 message for cell B with LAI_2.</li> <li>3. To send SYSTEM INFORMATION TYPE 2 and 5 messages for GSM900 testing.</li> <li>4. System Information Type 1 with Cell Channel Description for HO-testin in cell B (GSM900).</li> <li>5. To send SYSTEM INFORMATION TYPE 2 and 5 messages for DCS1800 testing.</li> <li>6. System Information Type 1 with Cell Channel Description for HO-testin in cell B (GSM1800) using 256 format for cell allocation.</li> </ol> |  |                                             |                                                                                                                                                      |  |  |

| Test Step Dynamic Behaviour                                                                                                                                                                              |       |                                                                                                                                                                                  |                                                                                                                                                               |   |          |
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| <b>Test Step Name:</b> SysInfoSending_212(t: INTEGER; retr:INTEGER; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                              |       |                                                                                                                                                                                  |                                                                                                                                                               |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                                                                                     |       |                                                                                                                                                                                  |                                                                                                                                                               |   |          |
| <b>Objective:</b> To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages with default parameters except CCCH_CONF, Tx-integer, Max-Retrans which are specified by input parameters. |       |                                                                                                                                                                                  |                                                                                                                                                               |   |          |
| <b>Default:</b> OtherEvents                                                                                                                                                                              |       |                                                                                                                                                                                  |                                                                                                                                                               |   |          |
| <b>Comments:</b> The values of SYSTEM INFORMATION messages are also controlled by another two test suite parameters, TSPC_PGSM and TSPX_AltNb.                                                           |       |                                                                                                                                                                                  |                                                                                                                                                               |   |          |
| Nr                                                                                                                                                                                                       | Label | Behaviour Description                                                                                                                                                            | CRef                                                                                                                                                          | V | Comments |
| 1                                                                                                                                                                                                        |       | (TCV_Tx := OC_CnvtTx(t), TCV_Max := OC_CnvtMax(retr), TCV_Neci := '0'B, TCV_Null := OM_PgFill(C_CellA, PgReqTp1Norm), TCV_Ccd0B := CntrlChDscrp(att, babr, cch_con, bpm, t3212)) |                                                                                                                                                               |   |          |
| 2                                                                                                                                                                                                        |       | L!DL_UdatRqSchinfo                                                                                                                                                               | SynInfo(C_SCH_B)                                                                                                                                              |   | 1.       |
| 3                                                                                                                                                                                                        |       | (TCV_sysinfo6_B := SysInf6(C_ci_cellB, C_PLMN_1, C_lacellB, CellOpt_01))                                                                                                         |                                                                                                                                                               |   |          |
| 4                                                                                                                                                                                                        |       | +gsmOrDcs                                                                                                                                                                        |                                                                                                                                                               |   |          |
| 5                                                                                                                                                                                                        |       | <b>gsmOrDcs</b>                                                                                                                                                                  |                                                                                                                                                               |   | 3.       |
| 6                                                                                                                                                                                                        |       | [TSPC_PGSM]<br>L!DL_UdatRqSysinfo1                                                                                                                                               | SysInfo1(C_BCCH_B_1, CellChDes_20_Bman, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                  |   | 4.       |
| 7                                                                                                                                                                                                        |       | LIDL_UdatRqSysinfo2                                                                                                                                                              | SysInfo2(C_BCCH_B_1, BcchFreqLst_01, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                     |   |          |
| 8                                                                                                                                                                                                        |       | LIDL_UdatRqSysinfo4                                                                                                                                                              | SysInfo4(C_BCCH_B_1, C_PLMN_1, C_lacellB, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   | 2.       |
| 9                                                                                                                                                                                                        |       | LIDL_UdatRqSysinfo3                                                                                                                                                              | SysInfo3(C_BCCH_B_1, C_ci_cellB, C_PLMN_1, C_lacellB, TCV_Ccd0B, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| 10                                                                                                                                                                                                       |       | (TCV_sysinfo5_B := SysInf5(BcchFreqLst_01))                                                                                                                                      |                                                                                                                                                               |   |          |
| 11                                                                                                                                                                                                       |       | [TSPC_EGSM]                                                                                                                                                                      |                                                                                                                                                               |   | 3.       |
| 12                                                                                                                                                                                                       |       | L!DL_UdatRqSysinfo1                                                                                                                                                              | SysInfo1(C_BCCH_B_1, CellChDes_20_Bman, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                  |   | 4.       |
| 13                                                                                                                                                                                                       |       | LIDL_UdatRqSysinfo2                                                                                                                                                              | SysInfo2(C_BCCH_B_1, BcchFreqLst_49, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                     |   |          |
| 14                                                                                                                                                                                                       |       | LIDL_UdatRqSysinfo4                                                                                                                                                              | SysInfo4(C_BCCH_B_1, C_PLMN_1, C_lacellB, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   | 2.       |
| 15                                                                                                                                                                                                       |       | L!DL_UdatRqSysinfo3                                                                                                                                                              | SysInfo3(C_BCCH_B_1, C_ci_cellB,                                                                                                                              |   |          |

|                           |                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                              |    |
|---------------------------|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
|                           |                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | C_PLMN_1,<br>C_lacellB,<br>TCV_Ccd0B,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvlG,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noRestablishment)                                         |    |
| 16                        | (TCV_sysinfo5_B :=<br>SysInf5(BcchFreqLst_49)) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                              |    |
| 17                        | [TSPC_DCS]                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                              | 5. |
| 18                        | LIDL_UdatRqSysinfo1                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SysInfo1(C_BCCH_B<br>_1,<br>CellChDes_201_Bd,<br>TCV_Max, TCV_Tx,<br>C_noRestablishment)                                                                                                     | 6. |
| 19                        | LIDL_UdatRqSysinfo2                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SysInfo2(C_BCCH_B<br>_1, BcchFreqLst_48,<br>TCV_Max, TCV_Tx,<br>C_noRestablishment)                                                                                                          |    |
| 20                        | LIDL_UdatRqSysinfo4                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SysInfo4(C_BCCH_B<br>_1, C_PLMN_1,<br>C_lacellB,<br>C_CellReselectHys0,<br>C_MaxPwrLvlD,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noRestablishment)                                             | 2. |
| 21                        | LIDL_UdatRqSysinfo3                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SysInfo3(C_BCCH_B<br>_1, C_ci_cellB,<br>C_PLMN_1,<br>C_lacellB,<br>TCV_Ccd0B,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvlD,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noRestablishment) |    |
| 22                        | (TCV_sysinfo5_B :=<br>SysInf5(BcchFreqLst_48)) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                              |    |
| <b>Detailed Comments:</b> |                                                | <ol style="list-style-type: none"> <li>1. To send SYNCHRONIZATION INFORMATION message with default parameter for cell A.</li> <li>2. To send SYSTEM INFORMATION TYPE 4 message for cell B with LAI_2.</li> <li>3. To send SYSTEM INFORMATION TYPE 2 and 5 messages for GSM900 testing.</li> <li>4. System Information Type 1 with Cell Channel Description for HO-testin in cell B (GSM900).</li> <li>5. To send SYSTEM INFORMATION TYPE 2 and 5 messages for DCS1800 testing.</li> <li>6. System Information Type 1 with Cell Channel Description for HO-testin in cell B (GSM1800) using 512 format for cell allocation.</li> </ol> |                                                                                                                                                                                              |    |

| Test Step Dynamic Behaviour                                                                                                                                                                                      |       |                                                                                                                                                                                  |                                                                                                                                                               |   |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b> SysInfoSending_22(t: INTEGER; retr:INTEGER; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                       |       |                                                                                                                                                                                  |                                                                                                                                                               |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                                                                                             |       |                                                                                                                                                                                  |                                                                                                                                                               |   |          |
| <b>Objective:</b> To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages with default parameters except CCCH_CONF, Tx-integer, Max-Retrans and ATT which are specified by input parameters. |       |                                                                                                                                                                                  |                                                                                                                                                               |   |          |
| <b>Default:</b> OtherEvents                                                                                                                                                                                      |       |                                                                                                                                                                                  |                                                                                                                                                               |   |          |
| Nr                                                                                                                                                                                                               | Label | Behaviour Description                                                                                                                                                            | CRef                                                                                                                                                          | V | Comments |
| 1                                                                                                                                                                                                                |       | (TCV_Tx := OC_CnvtTx(t), TCV_Max := OC_CnvtMax(retr), TCV_Null := OM_PgFill(C_CellA, PgReqTp1Norm), TCV_Neci := '0'B, TCV_Ccd0A := CntrlChDscrp(att, babr, cch_con, bpm, t3212)) |                                                                                                                                                               |   |          |
| 2                                                                                                                                                                                                                |       | L!DL_UdatRqSchinfo                                                                                                                                                               | SyncInfo(C_SCH_A)                                                                                                                                             |   | 1.       |
| 3                                                                                                                                                                                                                |       | (TCV_sysinfo6 := SysInf6(C_ci_cellA, C_PLMN_1, C_lacellA, CellOpt_01))                                                                                                           |                                                                                                                                                               |   |          |
| 4                                                                                                                                                                                                                |       | L!DL_UdatRqSysinfo1                                                                                                                                                              | SysInfo1(C_BCCH_A_1, CellChDes_19, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                       |   | 2.       |
| 5                                                                                                                                                                                                                |       | L!DL_UdatRqSysinfo2<br>(DL_UdatRqSysinfo2.msg.bcchfl.extind := '1'B)                                                                                                             | SysInfo2(C_BCCH_A_1, BcchFreqLst_01, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                     |   |          |
| 6                                                                                                                                                                                                                |       | L!DL_UdatRqSysinfo2bis                                                                                                                                                           | SysInfo2bis(C_BCCH_A_1)                                                                                                                                       |   |          |
| 7                                                                                                                                                                                                                |       | L!DL_UdatRqSysinfo4                                                                                                                                                              | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvlG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 8                                                                                                                                                                                                                |       | (TCV_sysinfo5 := SysInf5(BcchFreqLst_01), TCV_sysinfo5.bcchfl.extind := '1'B)                                                                                                    |                                                                                                                                                               |   |          |
| 9                                                                                                                                                                                                                |       | (TCV_sysinfo5bis := SysInf5bis_01(BcchFreqLst_46))                                                                                                                               |                                                                                                                                                               |   |          |
| 10                                                                                                                                                                                                               |       | L!DL_UdatRqSysinfo3                                                                                                                                                              | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvlG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| <b>Detailed Comments:</b>                                                                                                                                                                                        |       |                                                                                                                                                                                  |                                                                                                                                                               |   |          |
| 1. To send SYNCHRONIZATION INFORMATION message with default parameter for cell A.                                                                                                                                |       |                                                                                                                                                                                  |                                                                                                                                                               |   |          |
| 2. System Information Type 1 with Cell Channel Description for HO-testin in cell A (GSM900).                                                                                                                     |       |                                                                                                                                                                                  |                                                                                                                                                               |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                        |                                                                                                                                                               |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | SysInfoSending_23(t: INTEGER; retr:INTEGER; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                    |                                                                                                                                                               |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                                                                                 |                                                                                                                                                               |   |          |
| <b>Objective:</b>           |       | To send SYNCHRONIZATION CHANNEL INFORMATION and SYSTEM INFORMATION messages with default parameters except CCCH_CONF, Tx-integer, Max-Retrans which are specified by input parameters. |                                                                                                                                                               |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                            |                                                                                                                                                               |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                  | CRef                                                                                                                                                          | V | Comments |
| 1                           |       | (TCV_Tx := OC_CnvtTx(t), TCV_Max := OC_CnvtMax(retr), TCV_Null := OM_PgFill(C_CellA, PgReqTp1Norm), TCV_Neci := '0'B, TCV_Ccd0A := CntrlChDscrp(att, babr, cch_con, bpm, t3212))       |                                                                                                                                                               |   |          |
| 2                           |       | LIDL_UdatRqSchinfo                                                                                                                                                                     | SysInfo(C_SCH_A)                                                                                                                                              |   | 1.       |
| 3                           |       | (TCV_sysinfo6 := SysInf6(C_ci_cellA, C_PLMN_1, C_lacellA, CellOpt_01))                                                                                                                 |                                                                                                                                                               |   |          |
| 4                           |       | LIDL_UdatRqSysinfo1                                                                                                                                                                    | SysInfo1(C_BCCH_A_1, CellChDes_22, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                       |   | 2.       |
| 5                           |       | LIDL_UdatRqSysinfo2<br>(DL_UdatRqSysinfo2.msg.bcchfl.extind := '1'B)                                                                                                                   | SysInfo2(C_BCCH_A_1, BcchFreqLst_01, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                     |   |          |
| 6                           |       | LIDL_UdatRqSysinfo2bis                                                                                                                                                                 | SysInfo2bis(C_BCCH_A_1)                                                                                                                                       |   |          |
| 7                           |       | LIDL_UdatRqSysinfo4                                                                                                                                                                    | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 8                           |       | (TCV_sysinfo5 := SysInf5(BcchFreqLst_01), TCV_sysinfo5.bcchfl.extind := '1'B)                                                                                                          |                                                                                                                                                               |   |          |
| 9                           |       | (TCV_sysinfo5bis := SysInf5bis_01(BcchFreqLst_46))                                                                                                                                     |                                                                                                                                                               |   |          |
| 10                          |       | LIDL_UdatRqSysinfo3                                                                                                                                                                    | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| <b>Detailed Comments:</b>   |       | 1. To send SYNCHRONIZATION INFORMATION message with default parameter for cell A.<br>2. System Information Type 1 with Cell Channel Description for HO-testin in cell A (GSM900).      |                                                                                                                                                               |   |          |

| Test Step Dynamic Behaviour                                                                                                                             |       |                       |                               |   |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------|-------------------------------|---|----------|
| <b>Test Step Name:</b> SysInfo_SacchSending(ch:LOGICCH; sysinfo5_pdu:SYSINFO5_PDU;<br>sysinfo6_pdu:SYSINFO6_PDU)                                        |       |                       |                               |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                                    |       |                       |                               |   |          |
| <b>Objective:</b> To send SYSTEM INFORMATION 5 and 6 messages defined by parameters 'sysinfo5_pdu' and 'sysinfo6_pdu' in the parametrised 'ch' channel. |       |                       |                               |   |          |
| <b>Default:</b> OtherEvents                                                                                                                             |       |                       |                               |   |          |
| Nr                                                                                                                                                      | Label | Behaviour Description | CRef                          | V | Comments |
| 1                                                                                                                                                       |       | [ch <> "dummy"]       |                               |   |          |
| 2                                                                                                                                                       |       | L!DL_UdatRqSysinfo6   | SysInfo6(ch,<br>sysinfo6_pdu) |   |          |
| 3                                                                                                                                                       |       | L!DL_UdatRqSysinfo5   | SysInfo5(ch,<br>sysinfo5_pdu) |   |          |
| 4                                                                                                                                                       |       | [ch = "dummy"]        |                               | I |          |
| <b>Detailed Comments:</b>                                                                                                                               |       |                       |                               |   |          |

| Test Step Dynamic Behaviour                                                                                                         |       |                        |                                     |   |          |
|-------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------|-------------------------------------|---|----------|
| <b>Test Step Name:</b> SysInfo_5bisSending(ch:LOGICCH; sysinfo5bis_pdu:SYSINFO5bis_PDU)                                             |       |                        |                                     |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                |       |                        |                                     |   |          |
| <b>Objective:</b> To send SYSTEM INFORMATION 5bis message defined by parameters 'sysinfo5bis_pdu' in the parametrised 'ch' channel. |       |                        |                                     |   |          |
| <b>Default:</b> OtherEvents                                                                                                         |       |                        |                                     |   |          |
| Nr                                                                                                                                  | Label | Behaviour Description  | CRef                                | V | Comments |
| 1                                                                                                                                   |       | [ch <> "dummy"]        |                                     |   |          |
| 2                                                                                                                                   |       | L!DL_UdatRqSysinfo5bis | SysInfo5bis(ch,<br>sysinfo5bis_pdu) |   |          |
| 3                                                                                                                                   |       | [ch = "dummy"]         |                                     | I |          |
| <b>Detailed Comments:</b>                                                                                                           |       |                        |                                     |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                    |                                                                                                                                                             |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | SetNECI(att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                    |                                                                                                                                                             |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                             |                                                                                                                                                             |   |          |
| <b>Objective:</b>           |       | To set the NECI =1.                                                                                                |                                                                                                                                                             |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                        |                                                                                                                                                             |   |          |
| Nr                          | Label | Behaviour Description                                                                                              | CRef                                                                                                                                                        | V | Comments |
| 1                           |       | (TCV_Tx := '0010'B, TCV_Max := '11'B, TCV_Neci := '1'B, TCV_Ccd0A := CntrlChDscrp(att, babr, cch_con, bpm, t3212)) |                                                                                                                                                             |   |          |
| 2                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                           |                                                                                                                                                             |   |          |
| 3                           |       | LIDL_UdatRqSysinfo4                                                                                                | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment)                                    |   |          |
| 4                           |       | LIDL_UdatRqSysinfo3                                                                                                | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment) |   |          |
| 5                           |       | [TSPC_DCS]                                                                                                         |                                                                                                                                                             |   |          |
| 6                           |       | LIDL_UdatRqSysinfo4                                                                                                | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment)                                    |   |          |
| 7                           |       | LIDL_UdatRqSysinfo3                                                                                                | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment) |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                    |                                                                                                                                                             |   |          |



| Test Step Dynamic Behaviour |       |                                                                                                                                                  |                                                                                                                                                                                                |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | SetATT(t, retr, att, neci:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                    |                                                                                                                                                                                                |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Miscellaneous/SysInfo/                                                                                                           |                                                                                                                                                                                                |   |          |
| <b>Objective:</b>           |       | To set the ATT flag to "MS's in the cell should apply IMSI attach and detach procedure"                                                          |                                                                                                                                                                                                |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                      |                                                                                                                                                                                                |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                            | CRef                                                                                                                                                                                           | V | Comments |
| 1                           |       | (TCV_Tx := OC_CnvtTx(t), TCV_Max := OC_CnvtMax(retr), TCV_Neci := INT_TO_BIT(neci,1), TCV_Ccd0A := CntrlChDscrp(att, babr, cch_con, bpm, t3212)) |                                                                                                                                                                                                |   |          |
| 2                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                         |                                                                                                                                                                                                |   | 1.       |
| 3                           |       | LIDL_UdatRqSysinfo1_nh                                                                                                                           | SysInfo1_nh(C_BCC<br>H_A_1, C_ci_cellA,<br>C_PLMN_1,<br>C_laccellA,<br>TCV_Ccd0A,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvIG,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_Restablishment) |   |          |
| 4                           |       | LIDL_UdatRqSysinfo3                                                                                                                              | SysInfo3(C_BCCH_A<br>_1, C_ci_cellA,<br>C_PLMN_1,<br>C_laccellA,<br>TCV_Ccd0A,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvIG,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_Restablishment)    |   |          |
| 5                           |       | START T_dly(5000)                                                                                                                                |                                                                                                                                                                                                |   |          |
| 6                           |       | ?TIMEOUT T_dly                                                                                                                                   |                                                                                                                                                                                                |   | 3.       |
| 7                           |       | [TSPC_DCS]                                                                                                                                       |                                                                                                                                                                                                |   | 2.       |
| 8                           |       | LIDL_UdatRqSysinfo1_nh                                                                                                                           | SysInfo1_nh(C_BCC<br>H_A_1, C_ci_cellA,<br>C_PLMN_1,<br>C_laccellA,<br>TCV_Ccd0A,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvID,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_Restablishment) |   |          |
| 9                           |       | LIDL_UdatRqSysinfo3                                                                                                                              | SysInfo3(C_BCCH_A<br>_1, C_ci_cellA,<br>C_PLMN_1,<br>C_laccellA,<br>TCV_Ccd0A,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvID,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_Restablishment)    |   |          |
| 10                          |       | START T_dly(5000)                                                                                                                                |                                                                                                                                                                                                |   | 3.       |
| 11                          |       | ?TIMEOUT T_dly                                                                                                                                   |                                                                                                                                                                                                |   |          |
| <b>Detailed Comments:</b>   |       | 1. For P-GSM900.<br>2. For DCS1800.<br>3. Wait for 5 seconds to allow the MS read BCCH information.                                              |                                                                                                                                                                                                |   |          |

## Test Step Group OperatorOP

| Test Step Dynamic Behaviour |       |                                       |      |   |          |
|-----------------------------|-------|---------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | AddPwrAmp                             |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/OperatorOP/           |      |   |          |
| <b>Objective:</b>           |       | To add power amplification of the MS. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                           |      |   |          |
| Nr                          | Label | Behaviour Description                 | CRef | V | Comments |
| 1                           |       | (TCV_Null := OO_AddPwrAmp())          |      |   |          |
| <b>Detailed Comments:</b>   |       |                                       |      |   |          |

| Test Step Dynamic Behaviour |       |                                                               |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | AttmpCall                                                     |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/OperatorOP/                                   |      |   |          |
| <b>Objective:</b>           |       | To attempt any call supported by the MS at the MS under test. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                   |      |   |          |
| Nr                          | Label | Behaviour Description                                         | CRef | V | Comments |
| 1                           |       | (TCV_Null := OO_InitCall(TSPX_MO_BscSvc_AnyCall))             |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                               |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                          |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | InitCall(srv: IA5String)                                                 |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/OperatorOP/                                              |      |   |          |
| <b>Objective:</b>           |       | To initiate a call for the basic service `srv` with channel rate `rate`. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                              |      |   |          |
| Nr                          | Label | Behaviour Description                                                    | CRef | V | Comments |
| 1                           |       | (TCV_Null := OO_InitCall(srv))                                           |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                          |      |   |          |

| Test Step Dynamic Behaviour |       |                                                      |      |   |          |
|-----------------------------|-------|------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | AttmpDataCall                                        |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/OperatorOP/                          |      |   |          |
| <b>Objective:</b>           |       | To attempt a data call at the MS under test.         |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                          |      |   |          |
| Nr                          | Label | Behaviour Description                                | CRef | V | Comments |
| 1                           |       | (TCV_Null := OO_InitCall(TSPX_MO_BscSvc_FRDataCall)) |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                      |      |   |          |

| Test Step Dynamic Behaviour |       |                                                        |      |   |          |
|-----------------------------|-------|--------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | AttmpDualModeCall                                      |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/OperatorOP/                            |      |   |          |
| <b>Objective:</b>           |       | To attempt a dual mode call at the MS under test.      |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                            |      |   |          |
| Nr                          | Label | Behaviour Description                                  | CRef | V | Comments |
| 1                           |       | (TCV_Null := OO_InitCall(TSPX_MO_BscSvc_DualModeCall)) |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                        |      |   |          |

| Test Step Dynamic Behaviour |       |                                                    |      |   |          |
|-----------------------------|-------|----------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | AttmpEmgCall                                       |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/OperatorOP/                        |      |   |          |
| <b>Objective:</b>           |       | To attempt an emergency call at the MS under test. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                        |      |   |          |
| Nr                          | Label | Behaviour Description                              | CRef | V | Comments |
| 1                           |       | (TCV_Null :=OO_InitCall(C_EmgCallSRV))             |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                    |      |   |          |

| Test Step Dynamic Behaviour |       |                                                     |      |   |          |
|-----------------------------|-------|-----------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | AttmpFullRateCall                                   |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/OperatorOP/                         |      |   |          |
| <b>Objective:</b>           |       | To attempt any full rate call at the MS under test. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                         |      |   |          |
| Nr                          | Label | Behaviour Description                               | CRef | V | Comments |
| 1                           |       | (TCV_Null :=OO_InitCall(TSPX_MO_BscSvc_FRCall))     |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                     |      |   |          |

| Test Step Dynamic Behaviour |       |                                                     |      |   |          |
|-----------------------------|-------|-----------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | AttmpHalfRateCall                                   |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/OperatorOP/                         |      |   |          |
| <b>Objective:</b>           |       | To attempt any half rate call at the MS under test. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                         |      |   |          |
| Nr                          | Label | Behaviour Description                               | CRef | V | Comments |
| 1                           |       | (TCV_Null :=OO_InitCall(TSPX_MO_BscSvc_HRCall))     |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                     |      |   |          |

| Test Step Dynamic Behaviour |       |                                                        |      |   |          |
|-----------------------------|-------|--------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | AttmpHalfRateDataCall                                  |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/OperatorOP/                            |      |   |          |
| <b>Objective:</b>           |       | To attempt a half rate data call at the MS under test. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                            |      |   |          |
| Nr                          | Label | Behaviour Description                                  | CRef | V | Comments |
| 1                           |       | (TCV_Null :=OO_InitCall(TSPX_MO_BscSvc_HRDataCall))    |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                        |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                           |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | AtmpNonCallSupp                                                           |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/OperatorOP/                                               |      |   |          |
| <b>Objective:</b>           |       | To attempt a non call related supplementary service at the MS under test. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                               |      |   |          |
| Nr                          | Label | Behaviour Description                                                     | CRef | V | Comments |
| 1                           |       | (TCV_Null :=OO_InitCall(TSPX_MO_BscSvc_NonCallSupplementarySvc))          |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                           |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                      |      |   |          |
|-----------------------------|-------|----------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | AtmpShortMsg                                                         |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/OperatorOP/                                          |      |   |          |
| <b>Objective:</b>           |       | To attempt a short message service transaction at the MS under test. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                          |      |   |          |
| Nr                          | Label | Behaviour Description                                                | CRef | V | Comments |
| 1                           |       | (TCV_Null :=OO_InitCall(TSPX_MO_BscSvc_SMS))                         |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                      |      |   |          |

| Test Step Dynamic Behaviour |       |                                                     |      |   |          |
|-----------------------------|-------|-----------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | AttmpSpchCall                                       |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/OperatorOP/                         |      |   |          |
| <b>Objective:</b>           |       | To attempt a speech call at the MS under test.      |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                         |      |   |          |
| Nr                          | Label | Behaviour Description                               | CRef | V | Comments |
| 1                           |       | (TCV_Null :=OO_InitCall(TSPX_MO_BscSvc_SpeechCall)) |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                     |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                        |      |     |          |
|-----------------------------|-------|------------------------------------------------------------------------|------|-----|----------|
| <b>Test Step Name:</b>      |       | CheckUssdStringDisplayed(strg: IA5String)                              |      |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/OperatorOP/                                            |      |     |          |
| <b>Objective:</b>           |       | To check whether the correct USSD String 'strg' is displayed on the MS |      |     |          |
| <b>Default:</b>             |       | OtherEvents                                                            |      |     |          |
| Nr                          | Label | Behaviour Description                                                  | CRef | V   | Comments |
| 1                           |       | (TCV_Res := OO_CheckUssdStringDisplayed(strg))                         |      |     |          |
| 2                           |       | [TCV_Res]                                                              |      | (P) |          |
| 3                           |       | [NOT TCV_Res]                                                          |      | (F) |          |
| <b>Detailed Comments:</b>   |       |                                                                        |      |     |          |

| Test Step Dynamic Behaviour |       |                             |      |   |          |
|-----------------------------|-------|-----------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | InsertSIM                   |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/OperatorOP/ |      |   |          |
| <b>Objective:</b>           |       | To insert the SIM card.     |      |   |          |
| <b>Default:</b>             |       | OtherEvents                 |      |   |          |
| Nr                          | Label | Behaviour Description       | CRef | V | Comments |
| 1                           |       | (TCV_Null := OO_SIMIns())   |      |   |          |
| <b>Detailed Comments:</b>   |       |                             |      |   |          |

| Test Step Dynamic Behaviour |       |                                                             |      |   |          |
|-----------------------------|-------|-------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | PLMNsCHK                                                    |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/OperatorOP/                                 |      |   |          |
| <b>Objective:</b>           |       | To check whether the MS presents a list of available PLMNs. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                 |      |   |          |
| Nr                          | Label | Behaviour Description                                       | CRef | V | Comments |
| 1                           |       | (TCV_Res :=OO_PLMNsCHK())                                   |      |   |          |
| 2                           |       | [TCV_Res = TRUE]                                            |      | P |          |
| 3                           |       | [TCV_Res = FALSE]                                           |      | F |          |
| <b>Detailed Comments:</b>   |       |                                                             |      |   |          |

| Test Step Dynamic Behaviour |       |                                                    |      |   |          |
|-----------------------------|-------|----------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | RemvPwrAmp                                         |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/OperatorOP/                        |      |   |          |
| <b>Objective:</b>           |       | To remove the added power amplification of the MS. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                        |      |   |          |
| Nr                          | Label | Behaviour Description                              | CRef | V | Comments |
| 1                           |       | (TCV_Null := OO_RemvPwrAmp())                      |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                    |      |   |          |

| Test Step Dynamic Behaviour |       |                             |      |   |          |
|-----------------------------|-------|-----------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | RemoveSIM                   |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/OperatorOP/ |      |   |          |
| <b>Objective:</b>           |       | To remove SIM card.         |      |   |          |
| <b>Default:</b>             |       | OtherEvents                 |      |   |          |
| Nr                          | Label | Behaviour Description       | CRef | V | Comments |
| 1                           |       | (TCV_Null := OO_SIMRmv())   |      |   |          |
| <b>Detailed Comments:</b>   |       |                             |      |   |          |

| Test Step Dynamic Behaviour |       |                                                     |      |     |          |
|-----------------------------|-------|-----------------------------------------------------|------|-----|----------|
| <b>Test Step Name:</b>      |       | RFtransCHK                                          |      |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/OperatorOP/                         |      |     |          |
| <b>Objective:</b>           |       | To check whether the MS transmits any radio signal. |      |     |          |
| <b>Default:</b>             |       | OtherEvents                                         |      |     |          |
| Nr                          | Label | Behaviour Description                               | CRef | V   | Comments |
| 1                           |       | (TCV_Res := OO_RFoutputCHK())                       |      |     |          |
| 2                           |       | [TCV_Res = TRUE]                                    |      | F   |          |
| 3                           |       | [TCV_Res = FALSE]                                   |      | (P) |          |
| <b>Detailed Comments:</b>   |       |                                                     |      |     |          |

| Test Step Dynamic Behaviour |       |                                                     |      |   |          |
|-----------------------------|-------|-----------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | TermCall                                            |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/OperatorOP/                         |      |   |          |
| <b>Objective:</b>           |       | To terminate (clear) the call at the MS under test. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                         |      |   |          |
| Nr                          | Label | Behaviour Description                               | CRef | V | Comments |
| 1                           |       | (TCV_Null := OO_TermCall())                         |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                     |      |   |          |

| Test Step Dynamic Behaviour                             |       |                                                       |      |     |          |
|---------------------------------------------------------|-------|-------------------------------------------------------|------|-----|----------|
| <b>Test Step Name:</b>                                  |       | ServiceIndCHK                                         |      |     |          |
| <b>Group:</b>                                           |       | GSM_L3_MS_v4160/OperatorOP/                           |      |     |          |
| <b>Objective:</b>                                       |       | To check whether the MS gives any service indication. |      |     |          |
| <b>Default:</b>                                         |       | OtherEvents                                           |      |     |          |
| Nr                                                      | Label | Behaviour Description                                 | CRef | V   | Comments |
| 1                                                       |       | (TCV_Res := OO_InServiceCHK())                        |      |     |          |
| 2                                                       |       | [TCV_Res = TRUE]                                      |      | F   |          |
| 3                                                       |       | [TCV_Res = FALSE]                                     |      | (P) | 1.       |
| <b>Detailed Comments:</b> 1. No any service indication. |       |                                                       |      |     |          |

| Test Step Dynamic Behaviour |       |                                               |      |   |          |
|-----------------------------|-------|-----------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | SwitchoffOrPowerdown                          |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/OperatorOP/                   |      |   |          |
| <b>Objective:</b>           |       | To switch off or power off the MS under test. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                   |      |   |          |
| Nr                          | Label | Behaviour Description                         | CRef | V | Comments |
| 1                           |       | [TSPC_SwitchOnOff =TRUE]                      |      |   |          |
| 2                           |       | (TCV_Null := OO_SwitchOff())                  |      |   |          |
| 3                           |       | [TSPC_SwitchOnOff = FALSE]                    |      |   |          |
| 4                           |       | (TCV_Null := OO_PowerDown())                  |      |   |          |
| <b>Detailed Comments:</b>   |       |                                               |      |   |          |

| Test Step Dynamic Behaviour |       |                                             |      |   |          |
|-----------------------------|-------|---------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | SwitchonOrPowerup                           |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/OperatorOP/                 |      |   |          |
| <b>Objective:</b>           |       | To switch on or power up the MS under test. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                 |      |   |          |
| Nr                          | Label | Behaviour Description                       | CRef | V | Comments |
| 1                           |       | [TSPC_SwitchOnOff =TRUE]                    |      |   |          |
| 2                           |       | (TCV_Null := OO_SwitchOn())                 |      |   |          |
| 3                           |       | [TSPC_SwitchOnOff = FALSE]                  |      |   |          |
| 4                           |       | (TCV_Null := OO_PowerUp())                  |      |   |          |
| <b>Detailed Comments:</b>   |       |                                             |      |   |          |

| Test Step Dynamic Behaviour |       |                                 |      |   |          |
|-----------------------------|-------|---------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | SwitchOff                       |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/OperatorOP/     |      |   |          |
| <b>Objective:</b>           |       | To switch on the MS under test. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                     |      |   |          |
| Nr                          | Label | Behaviour Description           | CRef | V | Comments |
| 1                           |       | (TCV_Null := OO_SwitchOff())    |      |   |          |
| <b>Detailed Comments:</b>   |       |                                 |      |   |          |

| Test Step Dynamic Behaviour |       |                                 |      |   |          |
|-----------------------------|-------|---------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | SwitchOn                        |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/OperatorOP/     |      |   |          |
| <b>Objective:</b>           |       | To switch on the MS under test. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                     |      |   |          |
| Nr                          | Label | Behaviour Description           | CRef | V | Comments |
| 1                           |       | (TCV_Null := OO_SwitchOn())     |      |   |          |
| <b>Detailed Comments:</b>   |       |                                 |      |   |          |

## Test Step Group Postambles

| Test Step Dynamic Behaviour |       |                                                                                |                                             |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------|---------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | PostMainLinkRel(chnl:LOGICCH)                                                  |                                             |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Postambles/                                                    |                                             |   |          |
| <b>Objective:</b>           |       | To release the main signalling link `ch`, and bring the MS back to Idle state. |                                             |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                    |                                             |   |          |
| Nr                          | Label | Behaviour Description                                                          | CRef                                        | V | Comments |
| 1                           |       | L!DL_DatRqChRel START T_release                                                | ChRel(chnl,<br>ChRelease_01)<br>DLRelInd_01 |   |          |
| 2                           |       | L?DL_RelIn                                                                     |                                             |   |          |
| 3                           |       | ?TIMEOUT T_release                                                             |                                             |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                |                                             |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                 |                             |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------|-----------------------------|---|----------|
| <b>Test Step Name:</b>      |       | ChanRel(ch: LOGICCH)                                                                            |                             |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Postambles/                                                                     |                             |   |          |
| <b>Objective:</b>           |       | To release the RR connection on the channel TCV_chmaindcch and bring the MS back to Idle state. |                             |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                     |                             |   |          |
| Nr                          | Label | Behaviour Description                                                                           | CRef                        | V | Comments |
| 1                           |       | L!DL_DatRqChRel START T_release                                                                 | ChRel_20(ch)<br>DLRelInd_01 |   |          |
| 2                           |       | L?DL_RelIn CANCEL T_release                                                                     |                             |   |          |
| 3                           |       | ?TIMEOUT T_release                                                                              |                             |   | (F)      |
| <b>Detailed Comments:</b>   |       |                                                                                                 |                             |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                 |                             |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------|-----------------------------|---|----------|
| <b>Test Step Name:</b>      |       | ChanRel_P(ch: LOGICCH)                                                                          |                             |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Postambles/                                                                     |                             |   |          |
| <b>Objective:</b>           |       | To release the RR connection on the channel TCV_chmaindcch and bring the MS back to Idle state. |                             |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                     |                             |   |          |
| Nr                          | Label | Behaviour Description                                                                           | CRef                        | V | Comments |
| 1                           |       | L!DL_DatRqChRel START T_release                                                                 | ChRel_20(ch)<br>DLRelInd_01 |   |          |
| 2                           |       | L?DL_RelIn                                                                                      |                             |   | (P)      |
| 3                           |       | ?TIMEOUT T_release                                                                              |                             |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                 |                             |   |          |

| Test Step Dynamic Behaviour                                |       |                                                                                                 |                             |   |          |    |
|------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------|-----------------------------|---|----------|----|
| <b>Test Step Name:</b>                                     |       | ChanRel_end(ch: LOGICCH)                                                                        |                             |   |          |    |
| <b>Group:</b>                                              |       | GSM_L3_MS_v4160/Postambles/                                                                     |                             |   |          |    |
| <b>Objective:</b>                                          |       | To release the RR connection on the channel TCV_chmaindcch and bring the MS back to Idle state. |                             |   |          |    |
| <b>Default:</b>                                            |       | OtherEvents                                                                                     |                             |   |          |    |
| Nr                                                         | Label | Behaviour Description                                                                           | CRef                        | V | Comments |    |
| 1                                                          |       | L!DL_DatRqChRel START T_release                                                                 | ChRel_20(ch)<br>DLRelInd_01 |   |          |    |
| 2                                                          |       | L?DL_RelIn                                                                                      |                             |   |          |    |
| 3                                                          |       | CANCEL                                                                                          |                             |   | (P)      | 1. |
| 4                                                          |       | ?TIMEOUT T_release                                                                              |                             |   |          |    |
| 5                                                          |       | CANCEL                                                                                          |                             |   | (F)      | 1. |
| <b>Detailed Comments:</b> 1. Cancel of all running timers. |       |                                                                                                 |                             |   |          |    |

| Test Step Dynamic Behaviour |       |                                                                                           |                  |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------|------------------|---|----------|
| <b>Test Step Name:</b>      |       | RestoreCphKey(chnl:LOGICCH)                                                               |                  |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Postambles/                                                               |                  |   |          |
| <b>Objective:</b>           |       | To restore the chpering key and cphering key sequency number of SIM to the default value. |                  |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                               |                  |   |          |
| <b>Comments:</b>            |       | the signalling link used is TCV_ch                                                        |                  |   |          |
| Nr                          | Label | Behaviour Description                                                                     | CRef             | V | Comments |
| 1                           |       | L!DL_DatRqAuthRq                                                                          | AuthReq_01(chnl) |   |          |
| 2                           |       | L?DL_DatInAuthRes                                                                         | AuthRes_01       |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                           |                  |   |          |



## Test Step Group Preambles

| Test Step Dynamic Behaviour |       |                                                                                                                                                                              |      |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | BasicServiceMO(svc:MOSERVICES; rate:RATE)                                                                                                                                    |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                   |      |   |          |
| <b>Objective:</b>           |       | To get a correct channel mode according to the basic service selected for initiation of an MO call.                                                                          |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                  |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                        | CRef | V | Comments |
| 1                           |       | (TCV_Service := svc, TCV_ChRate :=rate,<br>TCV_ChMod.iei := '01100011'B, TCV_ChMod.mode<br>:= C_ChMod_12k, TCV_ChModb.iei := '01100011'B,<br>TCV_ChModb.mode := C_ChMod_12k) |      |   |          |
| 2                           |       | [(TCV_Service = C_Telephony) OR (TCV_Service<br>= C_EmgCallSRV)]                                                                                                             |      |   |          |
| 3                           |       | (TCV_ChMod.mode := C_ChMod_r)                                                                                                                                                |      |   |          |
| 4                           |       | [TCV_Service = C_AltSpchG3_2400]                                                                                                                                             |      |   |          |
| 5                           |       | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_ChModb.mode := C_ChMod_3k)                                                                                                              |      |   |          |
| 6                           |       | [TCV_Service = C_AltSpchG3_4800]                                                                                                                                             |      |   |          |
| 7                           |       | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_ChModb.mode := C_ChMod_6k)                                                                                                              |      |   |          |
| 8                           |       | [TCV_Service = C_AltSpchG3_9600]                                                                                                                                             |      |   |          |
| 9                           |       | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_ChModb.mode := C_ChMod_12k)                                                                                                             |      |   |          |
| 10                          |       | [TCV_Service = C_AutoG3_T_2400]                                                                                                                                              |      |   |          |
| 11                          |       | (TCV_ChMod.mode := C_ChMod_3k)                                                                                                                                               |      |   |          |
| 12                          |       | [TCV_Service = C_AutoG3_T_4800]                                                                                                                                              |      |   |          |
| 13                          |       | (TCV_ChMod.mode := C_ChMod_6k)                                                                                                                                               |      |   |          |
| 14                          |       | [TCV_Service = C_AutoG3_T_9600]                                                                                                                                              |      |   |          |
| 15                          |       | (TCV_ChMod.mode := C_ChMod_12k)                                                                                                                                              |      |   |          |
| 16                          |       | [TCV_Service = C_300cda_T]                                                                                                                                                   |      |   |          |
| 17                          |       | (TCV_ChMod.mode := C_ChMod_3k)                                                                                                                                               |      |   |          |
| 18                          |       | [TCV_Service = C_1200cda_T]                                                                                                                                                  |      |   |          |
| 19                          |       | (TCV_ChMod.mode := C_ChMod_3k)                                                                                                                                               |      |   |          |
| 20                          |       | [TCV_Service = C_120075cda_T]                                                                                                                                                |      |   |          |
| 21                          |       | (TCV_ChMod.mode := C_ChMod_3k)                                                                                                                                               |      |   |          |
| 22                          |       | [TCV_Service = C_2400cda_T]                                                                                                                                                  |      |   |          |
| 23                          |       | (TCV_ChMod.mode := C_ChMod_3k)                                                                                                                                               |      |   |          |
| 24                          |       | [TCV_Service = C_4800cda_T]                                                                                                                                                  |      |   |          |
| 25                          |       | (TCV_ChMod.mode := C_ChMod_6k)                                                                                                                                               |      |   |          |
| 26                          |       | [TCV_Service = C_2400cda_T]                                                                                                                                                  |      |   |          |
| 27                          |       | (TCV_ChMod.mode := C_ChMod_3k)                                                                                                                                               |      |   |          |
| 28                          |       | [TCV_Service = C_4800cda_T]                                                                                                                                                  |      |   |          |
| 29                          |       | (TCV_ChMod.mode := C_ChMod_6k)                                                                                                                                               |      |   |          |
| 30                          |       | [TCV_Service = C_PAD300_T]                                                                                                                                                   |      |   |          |
| 31                          |       | (TCV_ChMod.mode := C_ChMod_3k)                                                                                                                                               |      |   |          |
| 32                          |       | [TCV_Service = C_PAD1200_T]                                                                                                                                                  |      |   |          |
| 33                          |       | (TCV_ChMod.mode := C_ChMod_3k)                                                                                                                                               |      |   |          |
| 34                          |       | [TCV_Service = C_PAD120075_T]                                                                                                                                                |      |   |          |
| 35                          |       | (TCV_ChMod.mode := C_ChMod_3k)                                                                                                                                               |      |   |          |
| 36                          |       | [TCV_Service = C_PAD2400_T]                                                                                                                                                  |      |   |          |
| 37                          |       | (TCV_ChMod.mode := C_ChMod_3k)                                                                                                                                               |      |   |          |
| 38                          |       | [TCV_Service = C_PAD4800_T]                                                                                                                                                  |      |   |          |
| 39                          |       | (TCV_ChMod.mode := C_ChMod_6k)                                                                                                                                               |      |   |          |
| 40                          |       | [TCV_Service = C_AltSpchData_300]                                                                                                                                            |      |   |          |
| 41                          |       | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_ChModb.mode := C_ChMod_3k)                                                                                                              |      |   |          |
| 42                          |       | [TCV_Service = C_AltSpchData_1200]                                                                                                                                           |      |   |          |
| 43                          |       | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_ChModb.mode := C_ChMod_3k)                                                                                                              |      |   |          |
| 44                          |       | [TCV_Service = C_AltSpchData_120075]                                                                                                                                         |      |   |          |
| 45                          |       | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_ChModb.mode := C_ChMod_3k)                                                                                                              |      |   |          |
| 46                          |       | [TCV_Service = C_AltSpchData_2400]                                                                                                                                           |      |   |          |
| 47                          |       | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_ChModb.mode := C_ChMod_3k)                                                                                                              |      |   |          |

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                           |   |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| 48                        | [TCV_Service = C_AltSpchData_4800]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                           |   |
| 49                        | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_ChModb.mode := C_ChMod_6k)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                           |   |
| 50                        | [TCV_Service = C_AltSpchData_9600]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                           |   |
| 51                        | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_ChModb.mode := C_ChMod_12k)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                           |   |
| 52                        | [TCV_Service = C_SpchData_300]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                           |   |
| 53                        | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_ChModb.mode := C_ChMod_3k)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                           |   |
| 54                        | [TCV_Service = C_SpchData_1200]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                           |   |
| 55                        | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_ChModb.mode := C_ChMod_3k)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                           |   |
| 56                        | [TCV_Service = C_SpchData_120075]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                           |   |
| 57                        | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_ChModb.mode := C_ChMod_3k)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                           |   |
| 58                        | [TCV_Service = C_SpchData_2400]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                           |   |
| 59                        | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_ChModb.mode := C_ChMod_3k)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                           |   |
| 60                        | [TCV_Service = C_SpchData_4800]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                           |   |
| 61                        | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_ChModb.mode := C_ChMod_6k)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                           |   |
| 62                        | [TCV_Service = C_SpchData_9600]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                           |   |
| 63                        | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_ChModb.mode := C_ChMod_12k)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                           |   |
| 64                        | [(TCV_Service <> C_Telephony)<br>AND(TCV_Service <> C_EmgCallSRV)<br>AND(TCV_Service <> C_AltSpchG3_2400)<br>AND(TCV_Service <> C_AltSpchG3_4800)<br>AND(TCV_Service <> C_AltSpchG3_9600)<br>AND(TCV_Service <> C_AutoG3_T_2400)<br>AND(TCV_Service <> C_AutoG3_T_4800)<br>AND(TCV_Service <> C_AutoG3_T_9600)<br>AND(TCV_Service <> C_300cda_T)<br>AND(TCV_Service <> C_1200cda_T)<br>AND(TCV_Service <> C_120075cda_T)<br>AND(TCV_Service <> C_2400cda_T)<br>AND(TCV_Service <> C_4800cda_T)<br>AND(TCV_Service <> C_2400cda_T)<br>AND(TCV_Service <> C_4800cda_T)<br>AND(TCV_Service <> C_2400cda_T)<br>AND(TCV_Service <> C_4800cda_T)<br>AND(TCV_Service <> C_PAD300_T)<br>AND(TCV_Service <> C_PAD1200_T)<br>AND(TCV_Service <> C_PAD120075_T)<br>AND(TCV_Service <> C_PAD2400_T)<br>AND(TCV_Service <> C_PAD4800_T)<br>AND(TCV_Service <> C_AltSpchData_300)<br>AND(TCV_Service <> C_AltSpchData_1200)<br>AND(TCV_Service <> C_AltSpchData_120075)<br>AND(TCV_Service <> C_AltSpchData_2400)<br>AND(TCV_Service <> C_AltSpchData_4800)<br>AND(TCV_Service <> C_AltSpchData_9600)<br>AND(TCV_Service <> C_SpchData_300)<br>AND(TCV_Service <> C_SpchData_1200)<br>AND(TCV_Service <> C_SpchData_120075)<br>AND(TCV_Service <> C_SpchData_2400)<br>AND(TCV_Service <> C_SpchData_4800)<br>AND(TCV_Service <> C_SpchData_9600)] |                                                                                                                                                           | I |
| <b>Detailed Comments:</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | To avoid unnecessary writing Bearer services which need Channel Mode set to 12 Kbits/s on air interface are not mentioned extra in the dynamic behaviour. |   |

| Test Step Dynamic Behaviour |       |                                                      |      |   |          |
|-----------------------------|-------|------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | BasicServiceMOorTelephony(svc:MOSERVICES; rate:RATE) |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                           |      |   |          |
| <b>Objective:</b>           |       | To get a MO SETUP message with right BC IE.          |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                          |      |   |          |
| <b>Comments:</b>            |       | Used for CC tests                                    |      |   |          |
| Nr                          | Label | Behaviour Description                                | CRef | V | Comments |
| 1                           |       | [TSPC_Serv_TS11]                                     |      |   |          |
| 2                           |       | (TCV_Service := C_Telephony, TCV_ChRate :=C_Full)    |      |   |          |
| 3                           |       | [NOT TSPC_Serv_TS11]                                 |      |   |          |
| 4                           |       | (TCV_Service := svc, TCV_ChRate :=rate)              |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                      |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                    |      |   |             |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|-------------|
| <b>Test Step Name:</b>      |       | BasicServiceMT(svc:MTSERVICES; rate:RATE; Immconn:BOOLEAN)                                                                                                                                                                                                                         |      |   |             |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                         |      |   |             |
| <b>Objective:</b>           |       | To get a MT SETUP message with right BC IE.                                                                                                                                                                                                                                        |      |   |             |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                        |      |   |             |
| <b>Comments:</b>            |       | Used for CC tests                                                                                                                                                                                                                                                                  |      |   |             |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                              | CRef | V | Comments    |
| 1                           |       | (TCV_Service := svc, TCV_ChRate :=rate,<br>TCV_ImmConn := Immconn, TCV_ChMod.iei :=<br>'01100011'B, TCV_ChMod.mode := C_ChMod_12k,<br>TCV_ChModb.iei := '01100011'B,<br>TCV_ChModb.mode := C_ChMod_12k)                                                                            |      |   |             |
| 2                           |       | [TCV_Service = C_Telephony]                                                                                                                                                                                                                                                        |      |   |             |
| 3                           |       | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_Setup_mt := Setup_01)                                                                                                                                                                                                                         |      |   |             |
| 4                           |       | [TCV_Service = C_AltSpchG3_2400]                                                                                                                                                                                                                                                   |      |   |             |
| 5                           |       | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_ChModb.mode := C_ChMod_3k,<br>TCV_Bcap1 := Bcap_Speech, TCV_Bcap2 :=<br>Bcap_Fax(TSPX_FAX_2400_1_strc,<br>TSPX_FAX_2400_1_ur, TSPX_FAX_2400_1_ir,<br>TSPX_FAX_2400_1_ce), TCV_Setup_mt :=<br>Setup_21('11010001'B, TCV_Bcap1,<br>TCV_Bcap2))  |      |   |             |
| 6                           |       | [TCV_Service = C_AltSpchG3_4800]                                                                                                                                                                                                                                                   |      |   |             |
| 7                           |       | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_ChModb.mode := C_ChMod_6k,<br>TCV_Bcap1 := Bcap_Speech, TCV_Bcap2 :=<br>Bcap_Fax(TSPX_FAX_4800_1_strc,<br>TSPX_FAX_4800_1_ur, TSPX_FAX_4800_1_ir,<br>TSPX_FAX_4800_1_ce), TCV_Setup_mt :=<br>Setup_21('11010001'B, TCV_Bcap1,<br>TCV_Bcap2))  |      |   |             |
| 8                           |       | [TCV_Service = C_AltSpchG3_9600]                                                                                                                                                                                                                                                   |      |   |             |
| 9                           |       | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_ChModb.mode := C_ChMod_12k,<br>TCV_Bcap1 := Bcap_Speech, TCV_Bcap2 :=<br>Bcap_Fax(TSPX_FAX_9600_1_strc,<br>TSPX_FAX_9600_1_ur, TSPX_FAX_9600_1_ir,<br>TSPX_FAX_9600_1_ce), TCV_Setup_mt :=<br>Setup_21('11010001'B, TCV_Bcap1,<br>TCV_Bcap2)) |      |   |             |
| 10                          |       | [TCV_Service = C_AutoG3_T_2400]                                                                                                                                                                                                                                                    |      |   |             |
| 11                          |       | (TCV_ChMod.mode := C_ChMod_3k,<br>TCV_Bcap1 :=<br>Bcap_Fax(TSPX_FAX_2400_1_strc,<br>TSPX_FAX_2400_1_ur, TSPX_FAX_2400_1_ir,<br>TSPX_FAX_2400_1_ce), TCV_Setup_mt :=<br>Setup_20( TCV_Bcap1))                                                                                       |      |   |             |
| 12                          |       | [TCV_Service = C_AutoG3_T_4800]                                                                                                                                                                                                                                                    |      |   |             |
| 13                          |       | (TCV_ChMod.mode := C_ChMod_6k,<br>TCV_Bcap1 :=<br>Bcap_Fax(TSPX_FAX_4800_1_strc,<br>TSPX_FAX_4800_1_ur, TSPX_FAX_4800_1_ir,<br>TSPX_FAX_4800_1_ce), TCV_Setup_mt :=<br>Setup_20( TCV_Bcap1))                                                                                       |      |   |             |
| 14                          |       | [TCV_Service = C_AutoG3_T_9600]                                                                                                                                                                                                                                                    |      |   |             |
| 15                          |       | (TCV_ChMod.mode := C_ChMod_12k,<br>TCV_Bcap1 :=<br>Bcap_Fax(TSPX_FAX_9600_1_strc,<br>TSPX_FAX_9600_1_ur, TSPX_FAX_9600_1_ir,<br>TSPX_FAX_9600_1_ce), TCV_Setup_mt :=<br>Setup_20( TCV_Bcap1))                                                                                      |      |   |             |
| 16                          |       | [TCV_Service = C_300cda]                                                                                                                                                                                                                                                           |      |   |             |
| 17                          |       | (TCV_Bcap1 := Bcap_Bs2(TSPX_BS_21_1_itc,<br>TSPX_BS_21_1_strc, TSPX_BS_21_1_ra,<br>'0001'B, TSPX_BS_21_1_ir, TSPX_BS_21_1_ce,<br>TSPX_BS_21_1_modemt), TCV_Setup_mt :=<br>Setup_20( TCV_Bcap1))                                                                                    |      |   |             |
| 18                          |       | [TSPX_BS_21_1_ce = '00'B]                                                                                                                                                                                                                                                          |      |   | transparent |
| 19                          |       | (TCV_ChMod.mode := C_ChMod_3k)                                                                                                                                                                                                                                                     |      |   |             |
| 20                          |       | [TCV_Service = C_1200cda]                                                                                                                                                                                                                                                          |      |   |             |

|    |                                                                                                                                                                                                                      |                          |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 21 | (TCV_Bcap1 := Bcap_Bs2(TSPX_BS_22_1_itc,<br>TSPX_BS_22_1_strc, TSPX_BS_22_1_ra,<br>'0010'B, TSPX_BS_22_1_ir, TSPX_BS_22_1_ce,<br>TSPX_BS_22_1_modemt), TCV_Setup_mt :=<br>Setup_20(TCV_Bcap1))                       |                          |
| 22 | [TSPX_BS_22_1_ce = '00'B]                                                                                                                                                                                            | transparent              |
| 23 | (TCV_ChMod.mode := C_ChMod_3k)                                                                                                                                                                                       |                          |
| 24 | [TCV_Service = C_2400cda]                                                                                                                                                                                            |                          |
| 25 | (TCV_Bcap1 := Bcap_Bs2(TSPX_BS_24_1_itc,<br>TSPX_BS_24_1_strc, TSPX_BS_24_1_ra,<br>'0011'B, TSPX_BS_24_1_ir, TSPX_BS_24_1_ce,<br>TSPX_BS_24_1_modemt), TCV_Setup_mt :=<br>Setup_20(TCV_Bcap1))                       |                          |
| 26 | [TSPX_BS_24_1_ce = '00'B]                                                                                                                                                                                            | transparent              |
| 27 | (TCV_ChMod.mode := C_ChMod_3k)                                                                                                                                                                                       |                          |
| 28 | [TCV_Service = C_4800cda]                                                                                                                                                                                            |                          |
| 29 | (TCV_Bcap1 := Bcap_Bs2(TSPX_BS_25_1_itc,<br>TSPX_BS_25_1_strc, TSPX_BS_25_1_ra,<br>'0100'B, TSPX_BS_25_1_ir, TSPX_BS_25_1_ce,<br>TSPX_BS_25_1_modemt), TCV_Setup_mt :=<br>Setup_20(TCV_Bcap1))                       |                          |
| 30 | [TSPX_BS_25_1_ce = '00'B]                                                                                                                                                                                            | transparent              |
| 31 | (TCV_ChMod.mode := C_ChMod_6k)                                                                                                                                                                                       |                          |
| 32 | [TCV_Service = C_9600cda]                                                                                                                                                                                            |                          |
| 33 | (TCV_Bcap1 := Bcap_Bs2(TSPX_BS_26_1_itc,<br>TSPX_BS_26_1_strc, TSPX_BS_26_1_ra,<br>'0101'B, TSPX_BS_26_1_ir, TSPX_BS_26_1_ce,<br>TSPX_BS_26_1_modemt), TCV_Setup_mt :=<br>Setup_20(TCV_Bcap1))                       |                          |
| 34 | [TCV_Service = C_1200cda]                                                                                                                                                                                            |                          |
| 35 | (TCV_Bcap1 := Bcap_Bs3(TSPX_BS_31_1_itc,<br>TSPX_BS_31_1_strc, TSPX_BS_31_1_ra,<br>TSPX_BS_31_1_sacp, '0010'B,<br>TSPX_BS_31_1_ir, TSPX_BS_31_1_ce,<br>TSPX_BS_31_1_modemt), TCV_Setup_mt :=<br>Setup_20(TCV_Bcap1)) |                          |
| 36 | (TCV_ChMod.mode := C_ChMod_3k)                                                                                                                                                                                       |                          |
| 37 | [TCV_Service = C_2400cda]                                                                                                                                                                                            |                          |
| 38 | (TCV_Bcap1 := Bcap_Bs3(TSPX_BS_32_1_itc,<br>TSPX_BS_32_1_strc, TSPX_BS_32_1_ra,<br>TSPX_BS_32_1_sacp, '0011'B,<br>TSPX_BS_32_1_ir, TSPX_BS_32_1_ce,<br>TSPX_BS_32_1_modemt), TCV_Setup_mt :=<br>Setup_20(TCV_Bcap1)) |                          |
| 39 | [TSPX_BS_32_1_ce = '00'B]                                                                                                                                                                                            | transparent              |
| 40 | (TCV_ChMod.mode := C_ChMod_3k)                                                                                                                                                                                       |                          |
| 41 | [TCV_Service = C_4800cda]                                                                                                                                                                                            |                          |
| 42 | (TCV_Bcap1 := Bcap_Bs3(TSPX_BS_33_1_itc,<br>TSPX_BS_33_1_strc, TSPX_BS_33_1_ra,<br>TSPX_BS_33_1_sacp, '0100'B,<br>TSPX_BS_33_1_ir, TSPX_BS_33_1_ce,<br>TSPX_BS_33_1_modemt), TCV_Setup_mt :=<br>Setup_20(TCV_Bcap1)) |                          |
| 43 | [TSPX_BS_33_1_ce = '00'B]                                                                                                                                                                                            | transparent              |
| 44 | (TCV_ChMod.mode := C_ChMod_6k)                                                                                                                                                                                       |                          |
| 45 | [TCV_Service = C_9600cda]                                                                                                                                                                                            |                          |
| 46 | (TCV_Bcap1 := Bcap_Bs3(TSPX_BS_34_1_itc,<br>TSPX_BS_34_1_strc, TSPX_BS_34_1_ra,<br>TSPX_BS_34_1_sacp, '0101'B,<br>TSPX_BS_34_1_ir, TSPX_BS_34_1_ce,<br>TSPX_BS_34_1_modemt), TCV_Setup_mt :=<br>Setup_20(TCV_Bcap1)) |                          |
| 47 | [TCV_Service = C_AltSpchData_300]                                                                                                                                                                                    |                          |
| 48 | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_ChModb.mode := C_ChMod_3k,<br>TCV_Bcap1 := Bcap_Speech)                                                                                                                         |                          |
| 49 | [TSPX_BS_61_300_1_S]                                                                                                                                                                                                 | synchronous Data service |
| 50 | (TCV_Bcap2 := Bcap_Bs3('010'B, '11'B,<br>'00'B, '001'B, TSPX_BS_61_300_S_1_ur,<br>TSPX_BS_61_300_S_1_ir, '00'B,<br>TSPX_BS_61_300_S_1_modemt),<br>TCV_Setup_mt := Setup_21('11010001'B,                              |                          |

|    |                                                                                                                                                                                                                                                        |                           |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| 51 | TCV_Bcap1, TCV_Bcap2))<br>[NOT TSPX_BS_61_300_1_S]                                                                                                                                                                                                     | asynchronous Data service |
| 52 | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_61_300_A_1_strc, '00'B,<br>TSPX_BS_61_300_A_1_ur,<br>TSPX_BS_61_300_A_1_ir,<br>TSPX_BS_61_300_A_1_ce,<br>TSPX_BS_61_300_A_1_modemt),<br>TCV_Setup_mt := Setup_21('11010001'B,<br>TCV_Bcap1, TCV_Bcap2))      |                           |
| 53 | [TCV_Service = C_AltSpchData_1200]                                                                                                                                                                                                                     |                           |
| 54 | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_ChModb.mode := C_ChMod_3k,<br>TCV_Bcap1 := Bcap_Speech)                                                                                                                                                           |                           |
| 55 | [TSPX_BS_61_1200_1_S]                                                                                                                                                                                                                                  | synchronous Data service  |
| 56 | (TCV_Bcap2 := Bcap_Bs3('010'B, '11'B,<br>'00'B, '001'B, TSPX_BS_61_1200_S_1_ur,<br>TSPX_BS_61_1200_S_1_ir, '00'B,<br>TSPX_BS_61_1200_S_1_modemt),<br>TCV_Setup_mt := Setup_21('11010001'B,<br>TCV_Bcap1, TCV_Bcap2))                                   |                           |
| 57 | [NOT TSPX_BS_61_1200_1_S]                                                                                                                                                                                                                              | asynchronous Data service |
| 58 | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_61_1200_A_1_strc, '00'B,<br>TSPX_BS_61_1200_A_1_ur,<br>TSPX_BS_61_1200_A_1_ir,<br>TSPX_BS_61_1200_A_1_ce,<br>TSPX_BS_61_1200_A_1_modemt),<br>TCV_Setup_mt := Setup_21('11010001'B,<br>TCV_Bcap1, TCV_Bcap2)) |                           |
| 59 | [TCV_Service = C_AltSpchData_2400]                                                                                                                                                                                                                     |                           |
| 60 | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_ChModb.mode := C_ChMod_3k,<br>TCV_Bcap1 := Bcap_Speech)                                                                                                                                                           |                           |
| 61 | [TSPX_BS_61_2400_1_S]                                                                                                                                                                                                                                  | synchronous Data service  |
| 62 | (TCV_Bcap2 := Bcap_Bs3('010'B, '11'B,<br>'00'B, '001'B, TSPX_BS_61_2400_S_1_ur,<br>TSPX_BS_61_2400_S_1_ir, '00'B,<br>TSPX_BS_61_2400_S_1_modemt),<br>TCV_Setup_mt := Setup_21('11010001'B,<br>TCV_Bcap1, TCV_Bcap2))                                   |                           |
| 63 | [NOT TSPX_BS_61_2400_1_S]                                                                                                                                                                                                                              | asynchronous Data service |
| 64 | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_61_2400_A_1_strc, '00'B,<br>TSPX_BS_61_2400_A_1_ur,<br>TSPX_BS_61_2400_A_1_ir,<br>TSPX_BS_61_2400_A_1_ce,<br>TSPX_BS_61_2400_A_1_modemt),<br>TCV_Setup_mt := Setup_21('11010001'B,<br>TCV_Bcap1, TCV_Bcap2)) |                           |
| 65 | [TCV_Service = C_AltSpchData_4800]                                                                                                                                                                                                                     |                           |
| 66 | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_ChModb.mode := C_ChMod_6k,<br>TCV_Bcap1 := Bcap_Speech)                                                                                                                                                           |                           |
| 67 | [TSPX_BS_61_4800_1_S]                                                                                                                                                                                                                                  | synchronous Data service  |
| 68 | (TCV_Bcap2 := Bcap_Bs3('010'B, '11'B,<br>'00'B, '001'B, TSPX_BS_61_4800_S_1_ur,<br>TSPX_BS_61_4800_S_1_ir, '00'B,<br>TSPX_BS_61_4800_S_1_modemt),<br>TCV_Setup_mt := Setup_21('11010001'B,<br>TCV_Bcap1, TCV_Bcap2))                                   |                           |
| 69 | [NOT TSPX_BS_61_4800_1_S]                                                                                                                                                                                                                              | asynchronous Data service |
| 70 | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_61_4800_A_1_strc, '00'B,<br>TSPX_BS_61_4800_A_1_ur,<br>TSPX_BS_61_4800_A_1_ir,<br>TSPX_BS_61_4800_A_1_ce,<br>TSPX_BS_61_4800_A_1_modemt),<br>TCV_Setup_mt := Setup_21('11010001'B,<br>TCV_Bcap1, TCV_Bcap2)) |                           |

|    |                                                                                                                                                                                                                                                        |                           |
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| 71 | [TCV_Service = C_AltSpchData_9600]                                                                                                                                                                                                                     |                           |
| 72 | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_ChModb.mode := C_ChMod_12k,<br>TCV_Bcap1 := Bcap_Speech)                                                                                                                                                          |                           |
| 73 | [TSPX_BS_61_9600_1_S]                                                                                                                                                                                                                                  | synchronous Data service  |
| 74 | (TCV_Bcap2 := Bcap_Bs3('010'B, '11'B,<br>'00'B, '001'B, TSPX_BS_61_9600_S_1_ur,<br>TSPX_BS_61_9600_S_1_ir, '00'B,<br>TSPX_BS_61_9600_S_1_modemt),<br>TCV_Setup_mt := Setup_21('11010001'B,<br>TCV_Bcap1, TCV_Bcap2))                                   |                           |
| 75 | [NOT TSPX_BS_61_9600_1_S]                                                                                                                                                                                                                              | asynchronous Data service |
| 76 | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_61_9600_A_1_strc, '00'B,<br>TSPX_BS_61_9600_A_1_ur,<br>TSPX_BS_61_9600_A_1_ir,<br>TSPX_BS_61_9600_A_1_ce,<br>TSPX_BS_61_9600_A_1_modemt),<br>TCV_Setup_mt := Setup_21('11010001'B,<br>TCV_Bcap1, TCV_Bcap2)) |                           |
| 77 | [TCV_Service = C_SpchData_300]                                                                                                                                                                                                                         |                           |
| 78 | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_ChModb.mode := C_ChMod_3k,<br>TCV_Bcap1 := Bcap_Speech)                                                                                                                                                           |                           |
| 79 | [TSPX_BS_81_300_1_S]                                                                                                                                                                                                                                   | synchronous Data service  |
| 80 | (TCV_Bcap2 := Bcap_Bs3('010'B, '11'B,<br>'00'B, '001'B, TSPX_BS_81_300_S_1_ur,<br>TSPX_BS_81_300_S_1_ir, '00'B,<br>TSPX_BS_81_300_S_1_modemt),<br>TCV_Setup_mt := Setup_21('11010011'B,<br>TCV_Bcap1, TCV_Bcap2))                                      |                           |
| 81 | [NOT TSPX_BS_81_300_1_S]                                                                                                                                                                                                                               | asynchronous Data service |
| 82 | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_81_300_A_1_strc, '00'B,<br>TSPX_BS_81_300_A_1_ur,<br>TSPX_BS_81_300_A_1_ir,<br>TSPX_BS_81_300_A_1_ce,<br>TSPX_BS_81_300_A_1_modemt),<br>TCV_Setup_mt := Setup_21('11010011'B,<br>TCV_Bcap1, TCV_Bcap2))      |                           |
| 83 | [TCV_Service = C_SpchData_1200]                                                                                                                                                                                                                        |                           |
| 84 | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_ChModb.mode := C_ChMod_3k,<br>TCV_Bcap1 := Bcap_Speech)                                                                                                                                                           |                           |
| 85 | [TSPX_BS_81_1200_1_S]                                                                                                                                                                                                                                  | synchronous Data service  |
| 86 | (TCV_Bcap2 := Bcap_Bs3('010'B, '11'B,<br>'00'B, '001'B, TSPX_BS_81_1200_S_1_ur,<br>TSPX_BS_81_1200_S_1_ir, '00'B,<br>TSPX_BS_81_1200_S_1_modemt),<br>TCV_Setup_mt := Setup_21('11010011'B,<br>TCV_Bcap1, TCV_Bcap2))                                   |                           |
| 87 | [NOT TSPX_BS_81_1200_1_S]                                                                                                                                                                                                                              | asynchronous Data service |
| 88 | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_81_1200_A_1_strc, '00'B,<br>TSPX_BS_81_1200_A_1_ur,<br>TSPX_BS_81_1200_A_1_ir,<br>TSPX_BS_81_1200_A_1_ce,<br>TSPX_BS_81_1200_A_1_modemt),<br>TCV_Setup_mt := Setup_21('11010011'B,<br>TCV_Bcap1, TCV_Bcap2)) |                           |
| 89 | [TCV_Service = C_SpchData_2400]                                                                                                                                                                                                                        |                           |
| 90 | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_ChModb.mode := C_ChMod_3k,<br>TCV_Bcap1 := Bcap_Speech)                                                                                                                                                           |                           |
| 91 | [TSPX_BS_81_2400_1_S]                                                                                                                                                                                                                                  | synchronous Data service  |
| 92 | (TCV_Bcap2 := Bcap_Bs3('010'B, '11'B,<br>'00'B, '001'B, TSPX_BS_81_2400_S_1_ur,<br>TSPX_BS_81_2400_S_1_ir, '00'B,<br>TSPX_BS_81_2400_S_1_modemt),<br>TCV_Setup_mt := Setup_21('11010011'B,<br>TCV_Bcap1, TCV_Bcap2))                                   |                           |

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |   |                           |
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| 93  | [NOT TSPX_BS_81_2400_1_S]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |   | asynchronous Data service |
| 94  | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_81_2400_A_1_strc, '00'B,<br>TSPX_BS_81_2400_A_1_ur,<br>TSPX_BS_81_2400_A_1_ir,<br>TSPX_BS_81_2400_A_1_ce,<br>TSPX_BS_81_2400_A_1_modemt),<br>TCV_Setup_mt := Setup_21('11010011'B,<br>TCV_Bcap1, TCV_Bcap2))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |                           |
| 95  | [TCV_Service = C_SpchData_4800]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |   |                           |
| 96  | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_ChModb.mode := C_ChMod_6k,<br>TCV_Bcap1 := Bcap_Speech)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |                           |
| 97  | [TSPX_BS_81_4800_1_S]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   | synchronous Data service  |
| 98  | (TCV_Bcap2 := Bcap_Bs3('010'B, '11'B,<br>'00'B, '001'B, TSPX_BS_81_4800_S_1_ur,<br>TSPX_BS_81_4800_S_1_ir, '00'B,<br>TSPX_BS_81_4800_S_1_modemt),<br>TCV_Setup_mt := Setup_21('11010011'B,<br>TCV_Bcap1, TCV_Bcap2))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |   |                           |
| 99  | [NOT TSPX_BS_81_4800_1_S]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |   | asynchronous Data service |
| 100 | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_81_4800_A_1_strc, '00'B,<br>TSPX_BS_81_4800_A_1_ur,<br>TSPX_BS_81_4800_A_1_ir,<br>TSPX_BS_81_4800_A_1_ce,<br>TSPX_BS_81_4800_A_1_modemt),<br>TCV_Setup_mt := Setup_21('11010011'B,<br>TCV_Bcap1, TCV_Bcap2))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |                           |
| 101 | [TCV_Service = C_SpchData_9600]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |   |                           |
| 102 | (TCV_ChMod.mode := C_ChMod_r,<br>TCV_ChModb.mode := C_ChMod_12k,<br>TCV_Bcap1 := Bcap_Speech)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |                           |
| 103 | [TSPX_BS_81_9600_1_S]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   | synchronous Data service  |
| 104 | (TCV_Bcap2 := Bcap_Bs3('010'B, '11'B,<br>'00'B, '001'B, TSPX_BS_81_9600_S_1_ur,<br>TSPX_BS_81_9600_S_1_ir, '00'B,<br>TSPX_BS_81_9600_S_1_modemt),<br>TCV_Setup_mt := Setup_21('11010011'B,<br>TCV_Bcap1, TCV_Bcap2))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |   |                           |
| 105 | [NOT TSPX_BS_81_9600_1_S]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |   | asynchronous Data service |
| 106 | (TCV_Bcap2 := Bcap_Bs2('010'B,<br>TSPX_BS_81_9600_A_1_strc, '00'B,<br>TSPX_BS_81_9600_A_1_ur,<br>TSPX_BS_81_9600_A_1_ir,<br>TSPX_BS_81_9600_A_1_ce,<br>TSPX_BS_81_9600_A_1_modemt),<br>TCV_Setup_mt := Setup_21('11010011'B,<br>TCV_Bcap1, TCV_Bcap2))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |                           |
| 107 | [(TCV_Service <> C_Telephony) AND(TCV_Service<br><> C_AltSpchG3_2400) AND(TCV_Service <><br>C_AltSpchG3_4800) AND(TCV_Service <><br>C_AltSpchG3_9600) AND(TCV_Service <><br>C_AutoG3_T_2400) AND(TCV_Service <><br>C_AutoG3_T_4800) AND(TCV_Service <><br>C_AutoG3_T_9600) AND(TCV_Service <><br>C_300cda) AND(TCV_Service <> C_1200cda)<br>AND(TCV_Service <> C_2400cda)<br>AND(TCV_Service <> C_4800cda)<br>AND(TCV_Service <> C_9600cda)<br>AND(TCV_Service <> C_1200cda)<br>AND(TCV_Service <> C_2400cda)<br>AND(TCV_Service <> C_4800cda)<br>AND(TCV_Service <> C_9600cda)<br>AND(TCV_Service <> C_AltSpchData_300)<br>AND(TCV_Service <> C_AltSpchData_1200)<br>AND(TCV_Service <> C_AltSpchData_2400)<br>AND(TCV_Service <> C_AltSpchData_4800)<br>AND(TCV_Service <> C_AltSpchData_9600)<br>AND(TCV_Service <> C_SpchData_300)<br>AND(TCV_Service <> C_SpchData_1200)<br>AND(TCV_Service <> C_SpchData_2400) | I |                           |



|                           |  |                                                                             |  |  |  |
|---------------------------|--|-----------------------------------------------------------------------------|--|--|--|
|                           |  | AND(TCV_Service <> C_SpchData_4800)<br>AND(TCV_Service <> C_SpchData_9600)] |  |  |  |
| <b>Detailed Comments:</b> |  |                                                                             |  |  |  |

| <b>Test Step Dynamic Behaviour</b>                                                           |       |                                                  |      |   |          |
|----------------------------------------------------------------------------------------------|-------|--------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> BasicServiceMTorTelephony(svc:MTSERVICES; rate:RATE; Immconn:BOOLEAN) |       |                                                  |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Preambles/                                                     |       |                                                  |      |   |          |
| <b>Objective:</b> To get a MT SETUP message with right BC IE.                                |       |                                                  |      |   |          |
| <b>Default:</b> OtherEvents                                                                  |       |                                                  |      |   |          |
| <b>Comments:</b> Used for CC tests                                                           |       |                                                  |      |   |          |
| Nr                                                                                           | Label | Behaviour Description                            | CRef | V | Comments |
| 1                                                                                            |       | [TSPC_Serv_TS11]                                 |      |   |          |
| 2                                                                                            |       | +BasicServiceMT(svc,rate,TSPX_Telephony_Immconn) |      |   |          |
| 3                                                                                            |       | [NOT TSPC_Serv_TS11]                             |      |   |          |
| 4                                                                                            |       | +BasicServiceMT(svc,rate,Immconn)                |      |   |          |
| <b>Detailed Comments:</b>                                                                    |       |                                                  |      |   |          |

| <b>Test Step Dynamic Behaviour</b>                                             |       |                                         |      |   |          |
|--------------------------------------------------------------------------------|-------|-----------------------------------------|------|---|----------|
| <b>Test Step Name:</b> BasicServiceMTNICorTelephony(svc:MTSERVICES; rate:RATE) |       |                                         |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Preambles/                                       |       |                                         |      |   |          |
| <b>Objective:</b> To get a MT SETUP message with right BC IE.                  |       |                                         |      |   |          |
| <b>Default:</b> OtherEvents                                                    |       |                                         |      |   |          |
| <b>Comments:</b> Used for CC tests                                             |       |                                         |      |   |          |
| Nr                                                                             | Label | Behaviour Description                   | CRef | V | Comments |
| 1                                                                              |       | [TSPX_Telephony_Immconn]                |      |   |          |
| 2                                                                              |       | +BasicServiceMT(C_Telephony,rate,FALSE) |      |   |          |
| 3                                                                              |       | [NOT TSPX_Telephony_Immconn]            |      |   |          |
| 4                                                                              |       | +BasicServiceMT(svc,rate,FALSE)         |      |   |          |
| <b>Detailed Comments:</b>                                                      |       |                                         |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                      |                                                               |   |                         |
|-----------------------------|-------|--------------------------------------------------------------------------------------|---------------------------------------------------------------|---|-------------------------|
| <b>Test Step Name:</b>      |       | EstMsOrigFullRateCall(ta:TA)                                                         |                                                               |   |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                           |                                                               |   |                         |
| <b>Objective:</b>           |       | To establish a full rate mobile station originating call (speech call or data call). |                                                               |   |                         |
| <b>Default:</b>             |       | OtherEvents                                                                          |                                                               |   |                         |
| Nr                          | Label | Behaviour Description                                                                | CRef                                                          | V | Comments                |
| 1                           |       | +AttmpFullRateCall                                                                   |                                                               |   |                         |
| 2                           |       | +BasicServiceMO(TSPX_MO_BscSvc_FRCall, C_Full)                                       |                                                               |   |                         |
| 3                           |       | L?DL_RaclnChRq (TCV_Rr := DL_RaclnChRq.msg.ecau_rrf, TCV_Fn := DL_RaclnChRq.fn)      | ChReq_17                                                      |   |                         |
| 4                           |       | ACTIVATE(OtherEvents_02)                                                             |                                                               |   | To match ChReq retrans. |
| 5                           |       | L!DL_UdatRqImmss                                                                     | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, ta) |   |                         |
| 6                           |       | L?DL_EstInCmsRq                                                                      | CmserReq_01                                                   |   |                         |
| 7                           |       | ACTIVATE(OtherEvents)                                                                |                                                               |   | Restore Normal default  |
| 8                           |       | +Authentication(TCV_ch, TCV_cks)                                                     |                                                               |   |                         |
| 9                           |       | +Cipherring_on(TCV_ch)                                                               |                                                               |   |                         |
| 10                          |       | +SetupRcvMo(SetupInd_01)                                                             |                                                               |   |                         |
| 11                          |       | L!DL_DatRqCallProc                                                                   | CallProc(TCV_ch, TCV_CallProc)                                |   |                         |
| 12                          |       | L!DL_DatRqAlert                                                                      | Alert_01(TCV_TI, TCV_ch)                                      |   |                         |
| 13                          |       | +AssCmdGenMO( C_Full)                                                                |                                                               |   |                         |
| 14                          |       | +AssCh_complete(TCV_ch, TCV_chTch, TCV_AssCmd)                                       |                                                               |   |                         |
| 15                          |       | L!DL_DatRqConn                                                                       | Conn_01(TCV_TI, TCV_chTch)                                    |   |                         |
| 16                          |       | L?DL_DatInConnAck                                                                    | ConnAckRcv_01(TCV_TI0)                                        |   |                         |
| <b>Detailed Comments:</b>   |       |                                                                                      |                                                               |   |                         |

| Test Step Dynamic Behaviour |       |                                                                                                                                         |                                                                       |   |                         |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|---|-------------------------|
| <b>Test Step Name:</b>      |       | EstMsOrigTCHF_init(par1: OCTETSTRING; par_sub: INTEGER; ta:TA)                                                                          |                                                                       |   |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                              |                                                                       |   |                         |
| <b>Objective:</b>           |       | To initiate a mobile originating full rate call for the supported bearer capability. The channel in use is frequency hopping channel.   |                                                                       |   |                         |
| <b>Default:</b>             |       | OtherEvents                                                                                                                             |                                                                       |   |                         |
| <b>Comments:</b>            |       | The test case variable TCV_TI0 holds the transaction ID used by the MS and the TCV_TI holds the transaction ID used by the test system. |                                                                       |   |                         |
| Nr                          | Label | Behaviour Description                                                                                                                   | CRef                                                                  | V | Comments                |
| 1                           |       | +AttmpFullRateCall                                                                                                                      |                                                                       |   |                         |
| 2                           |       | +BasicServiceMO(TSPX_MO_BscSvc_FRCall, C_Full)                                                                                          |                                                                       |   |                         |
| 3                           |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                         | ChReq_17                                                              |   |                         |
| 4                           |       | ACTIVATE(OtherEvents_02)                                                                                                                |                                                                       |   | To match ChReq retrans. |
| 5                           |       | +localtree_ia(par1)                                                                                                                     |                                                                       |   |                         |
| 6                           |       | L?DL_EstInCmsRq                                                                                                                         | CmsrReq_01                                                            |   |                         |
| 7                           |       | ACTIVATE(OtherEvents)                                                                                                                   |                                                                       |   | Restore Normal default  |
| 8                           |       | +Cipherring_on(TCV_ch)                                                                                                                  |                                                                       |   |                         |
|                             |       | <b>localtree_ia(par_chn: OCTETSTRING)</b>                                                                                               |                                                                       |   |                         |
| 9                           |       | [par_chn = C_CHTCHH_FH]                                                                                                                 |                                                                       |   |                         |
| 10                          |       | [par_sub =1]                                                                                                                            |                                                                       |   |                         |
| 11                          |       | LIDL_UdatRqImmss                                                                                                                        | ImmAss_242(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, ta)                   |   |                         |
| 12                          |       | [par_sub =2]                                                                                                                            |                                                                       |   |                         |
| 13                          |       | LIDL_UdatRqImmss                                                                                                                        | ImmAss_243(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, ta)                   |   |                         |
| 14                          |       | [par_chn = C_CHTCHF_FH]                                                                                                                 |                                                                       |   |                         |
| 15                          |       | LIDL_UdatRqImmss                                                                                                                        | ImmAss_221(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, ta)                   |   |                         |
| 16                          |       | [par_chn = C_CHTCHF_NonFH]                                                                                                              |                                                                       |   |                         |
| 17                          |       | LIDL_UdatRqImmss                                                                                                                        | ImmAss_21(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, ta) |   |                         |
| 18                          |       | [par_chn = C_CHSDCCH4_NonFH]                                                                                                            |                                                                       |   |                         |
| 19                          |       | LIDL_UdatRqImmss                                                                                                                        | ImmAss_25(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, ta) |   |                         |
| 20                          |       | [par_chn = C_CHSDCCH8_NonFH]                                                                                                            |                                                                       |   |                         |
| 21                          |       | LIDL_UdatRqImmss                                                                                                                        | ImmAss_27(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, ta) |   |                         |
| 22                          |       | [par_chn = C_CHSDCCH8_FH]                                                                                                               |                                                                       |   |                         |
| 23                          |       | [par_sub =1]                                                                                                                            |                                                                       |   |                         |
| 24                          |       | [TSPC_PGSM = TRUE]                                                                                                                      |                                                                       |   |                         |
| 25                          |       | LIDL_UdatRqImmss                                                                                                                        | ImmAss_281(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, ta)                   |   |                         |
| 26                          |       | [TSPC_DCS = TRUE]                                                                                                                       |                                                                       |   |                         |
| 27                          |       | LIDL_UdatRqImmss                                                                                                                        | ImmAss_281d(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, ta)                  |   |                         |
| 28                          |       | [TSPC_EGSM = TRUE]                                                                                                                      |                                                                       |   |                         |
| 29                          |       | LIDL_UdatRqImmss                                                                                                                        | ImmAss_281e2(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, ta)                 |   |                         |
| 30                          |       | [par_sub = 2]                                                                                                                           |                                                                       |   |                         |

|                           |  |                    |                                                      |  |
|---------------------------|--|--------------------|------------------------------------------------------|--|
| 31                        |  | [TSPC_PGSM = TRUE] |                                                      |  |
| 32                        |  | LIDL_UdatRqImm     | ImmAss_282(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, ta)  |  |
| 33                        |  | [TSPC_DCS = TRUE]  |                                                      |  |
| 34                        |  | LIDL_UdatRqImm     | ImmAss_282d(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, ta) |  |
| 35                        |  | [par_sub = 3]      |                                                      |  |
| 36                        |  | [TSPC_PGSM = TRUE] |                                                      |  |
| 37                        |  | LIDL_UdatRqImm     | ImmAss_283(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, ta)  |  |
| 38                        |  | [TSPC_DCS = TRUE]  |                                                      |  |
| 39                        |  | LIDL_UdatRqImm     | ImmAss_283d(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, ta) |  |
| <b>Detailed Comments:</b> |  |                    |                                                      |  |

| Test Step Dynamic Behaviour |       |                                                                                     |                                                               |   |                         |
|-----------------------------|-------|-------------------------------------------------------------------------------------|---------------------------------------------------------------|---|-------------------------|
| <b>Test Step Name:</b>      |       | EstMsOrigHalfRateCall(ta:TA)                                                        |                                                               |   |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                          |                                                               |   |                         |
| <b>Objective:</b>           |       | To establish a half rate mobile station originating call.                           |                                                               |   |                         |
| <b>Default:</b>             |       | OtherEvents                                                                         |                                                               |   |                         |
| Nr                          | Label | Behaviour Description                                                               | CRef                                                          | V | Comments                |
| 1                           |       | +AttmpHalfRateCall                                                                  |                                                               |   |                         |
| 2                           |       | +BasicServiceMO(TSPX_MO_BscSvc_HRCall, C_Full)                                      |                                                               |   |                         |
| 3                           |       | L?DL_RaclnChRq (TCV_Rr := DL_RaclnChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaclnChRq.fn) | ChReq_17                                                      |   |                         |
| 4                           |       | ACTIVATE(OtherEvents_02)                                                            |                                                               |   | To match ChReq retrans. |
| 5                           |       | LIDL_UdatRqImm                                                                      | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, ta) |   |                         |
| 6                           |       | L?DL_EstInCmsRq                                                                     | CmsReq_01                                                     |   |                         |
| 7                           |       | ACTIVATE(OtherEvents)                                                               |                                                               |   | Restore Normal default  |
| 8                           |       | +Authentication(TCV_ch, TCV_cks)                                                    |                                                               |   |                         |
| 9                           |       | +Cipherring_on(TCV_ch)                                                              |                                                               |   |                         |
| 10                          |       | +SetupRcvMo(SetupInd_01)                                                            |                                                               |   |                         |
| 11                          |       | LIDL_DatRqCallProc                                                                  | CallProc(TCV_ch, TCV_CallProc)                                |   |                         |
| 12                          |       | LIDL_DatRqAlert                                                                     | Alert_01(TCV_TI, TCV_ch)                                      |   |                         |
| 13                          |       | +AssCmdGenMO( C_Half)                                                               |                                                               |   |                         |
| 14                          |       | +AssCh_complete(TCV_ch, TCV_chTch, TCV_AssCmd)                                      |                                                               |   |                         |
| 15                          |       | LIDL_DatRqConn                                                                      | Conn_01(TCV_TI, TCV_chTch)                                    |   |                         |
| 16                          |       | L?DL_DatInConnAck                                                                   | ConnAckRcv_01(TCV_TI)                                         |   |                         |
| <b>Detailed Comments:</b>   |       |                                                                                     |                                                               |   |                         |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                  |                        |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---|----------|
| <b>Test Step Name:</b>      |       | EstMsTermFullRateCallFH(ta:TA)                                                                                                                                                                                                                                                                                   |                        |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                       |                        |   |          |
| <b>Objective:</b>           |       | To establish a full rate mobile station terminating call with hopping channel (speech or data call).                                                                                                                                                                                                             |                        |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                                      |                        |   |          |
| <b>Comments:</b>            |       | used var's:<br>TCV_cellid, TCV_Bcap1, TCV_ch                                                                                                                                                                                                                                                                     |                        |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                            | CRef                   | V | Comments |
| 1                           |       | +RRmtcallprepare(ta)                                                                                                                                                                                                                                                                                             |                        |   |          |
| 2                           |       | L!DL_DatRqSetup (TCV_TI.ti_f := '0'B, TCV_TI.ti_v := '000'B)                                                                                                                                                                                                                                                     | SetupRq_20(TCV_ch)     |   |          |
| 3                           |       | L?DL_DatInCallCo                                                                                                                                                                                                                                                                                                 | CallCfm_20             |   | 1)       |
| 4                           |       | L?DL_DatInConn                                                                                                                                                                                                                                                                                                   | ConnRcv_01             |   |          |
| 5                           |       | +localtree                                                                                                                                                                                                                                                                                                       |                        |   |          |
| 6                           |       | L?DL_DatInAlert                                                                                                                                                                                                                                                                                                  | AlertRcv_01            |   |          |
| 7                           |       | (TCV_Null := OO_HookOff())                                                                                                                                                                                                                                                                                       |                        |   |          |
| 8                           |       | L?DL_DatInConn                                                                                                                                                                                                                                                                                                   | ConnRcv_01             |   |          |
| 9                           |       | +localtree                                                                                                                                                                                                                                                                                                       |                        |   |          |
| 10                          |       | L!DL_DatRqConnAck                                                                                                                                                                                                                                                                                                | ConnAck_20(TCV_ch Tch) |   |          |
|                             |       | <b>localtree</b>                                                                                                                                                                                                                                                                                                 |                        |   |          |
| 11                          |       | [TCV_cellid = C_CellA]                                                                                                                                                                                                                                                                                           |                        |   |          |
| 12                          |       | +localtreeA                                                                                                                                                                                                                                                                                                      |                        |   |          |
| 13                          |       | [TCV_cellid = C_CellB]                                                                                                                                                                                                                                                                                           |                        |   |          |
| 14                          |       | +localtreeB                                                                                                                                                                                                                                                                                                      |                        |   |          |
|                             |       | <b>localtreeA</b>                                                                                                                                                                                                                                                                                                |                        |   |          |
| 15                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                         |                        |   |          |
| 16                          |       | (TCV_AssCmd := AsgnCmd_22(TCV_asscmd_ts, TSPX_TscDef, TSPX_MAIO, TSPX_HSN, Frql_20_A))                                                                                                                                                                                                                           |                        |   |          |
| 17                          |       | +AssCh_complete(TCV_ch,TCV_chTch,TCV_AssCmd)                                                                                                                                                                                                                                                                     |                        |   |          |
| 18                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                       |                        |   |          |
| 19                          |       | (TCV_AssCmd := AsgnCmd_22d(TCV_asscmd_ts, TSPX_TscDef, TSPX_MAIO, TSPX_HSN, Frql_20_Ad))                                                                                                                                                                                                                         |                        |   |          |
| 20                          |       | +AssCh_complete(TCV_ch,TCV_chTch,TCV_AssCmd)                                                                                                                                                                                                                                                                     |                        |   |          |
|                             |       | <b>localtreeB</b>                                                                                                                                                                                                                                                                                                |                        |   |          |
| 21                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                         |                        |   |          |
| 22                          |       | (TCV_AssCmd := AsgnCmd_22(TCV_asscmd_ts, TSPX_TscDef, TSPX_MAIO, TSPX_HSN, Frql_20_B1))                                                                                                                                                                                                                          |                        |   |          |
| 23                          |       | +AssCh_complete(TCV_ch,TCV_chTch,TCV_AssCmd)                                                                                                                                                                                                                                                                     |                        |   |          |
| 24                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                       |                        |   |          |
| 25                          |       | (TCV_AssCmd := AsgnCmd_22d(TCV_asscmd_ts, TSPX_TscDef, TSPX_MAIO, TSPX_HSN, Frql_20_B8d))                                                                                                                                                                                                                        |                        |   |          |
| 26                          |       | +AssCh_complete(TCV_ch,TCV_chTch,TCV_AssCmd)                                                                                                                                                                                                                                                                     |                        |   | 2)       |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. If the MS supports the bearer capabilities, which are given in the Setup message, it has to accept them. Therefor, they are no bearer capabilities expected in Call Confirm message.</li> <li>2. TCH/F with hopping in selected cell for DCS1800 or GSM900.</li> </ol> |                        |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                          |                       |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---|----------|
| <b>Test Step Name:</b>      |       | EstMsTermFullRateCallNonFH(ta:TA)                                                                                                                                                                                                                                                        |                       |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                               |                       |   |          |
| <b>Objective:</b>           |       | To establish a full rate mobile station terminating call with non hopping channel (speech or data call).                                                                                                                                                                                 |                       |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                              |                       |   |          |
| <b>Comments:</b>            |       | used var's:<br>TCV_cellid, TCV_chdescr_arfcn, TCV_Bcap1, TCV_ch                                                                                                                                                                                                                          |                       |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                    | CRef                  | V | Comments |
| 1                           |       | +RRmtcallprepare(ta)                                                                                                                                                                                                                                                                     |                       |   |          |
| 2                           |       | LIDL_DatRqSetup (TCV_Tl.ti_f := '0'B, TCV_Tl.ti_v := '000'B)                                                                                                                                                                                                                             | SetupRq_20(TCV_ch)    |   |          |
| 3                           |       | L?DL_DatInCallCo                                                                                                                                                                                                                                                                         | CallCfm_20            |   | 1)       |
| 4                           |       | L?DL_DatInConn                                                                                                                                                                                                                                                                           | ConnRcv_01            |   |          |
| 5                           |       | +localtree                                                                                                                                                                                                                                                                               |                       |   |          |
| 6                           |       | L?DL_DatInAlert                                                                                                                                                                                                                                                                          | AlertRcv_01           |   |          |
| 7                           |       | (TCV_Null := OO_HookOff())                                                                                                                                                                                                                                                               |                       |   |          |
| 8                           |       | L?DL_DatInConn                                                                                                                                                                                                                                                                           | ConnRcv_01            |   |          |
| 9                           |       | +localtree                                                                                                                                                                                                                                                                               |                       |   |          |
| 10                          |       | <b>localtree</b><br>(TCV_AssCmd :=<br>AsgnCmd_21(TCV_asscmd_ts,TCV_chdescr_arfcn))                                                                                                                                                                                                       |                       |   |          |
| 11                          |       | +AssCh_complete(TCV_ch,TCV_chTch,TCV_AssCmd)                                                                                                                                                                                                                                             |                       |   |          |
| 12                          |       | LIDL_DatRqConnAck                                                                                                                                                                                                                                                                        | ConnAck_20(TCV_chTch) |   |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. If the MS supports the bearer capabilities, which are give in Setup message, it has to accept them. Therefor, they are no bearer capabilites expected in Call Confirm message.</li> <li>2. TCH/F with non hopping in selected cell.</li> </ol> |                       |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                            |                        |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---|----------|
| <b>Test Step Name:</b>      |       | EstMsTermHalfRateCallFH(ta:TA)                                                                                                                                                                                                                                                             |                        |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                 |                        |   |          |
| <b>Objective:</b>           |       | To establish a half rate mobile station terminating call with hopping channel (speech or data call).                                                                                                                                                                                       |                        |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                |                        |   |          |
| <b>Comments:</b>            |       | used var's:<br>TCV_cellid, TCV_chdescr_arfcn, TCV_Bcap1, TCV_ch                                                                                                                                                                                                                            |                        |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                      | CRef                   | V | Comments |
| 1                           |       | +RRmtcallprepare( ta)                                                                                                                                                                                                                                                                      |                        |   |          |
| 2                           |       | L!DL_DatRqSetup (TCV_TI.ti_f := '0'B, TCV_TI.ti_v := '000'B)                                                                                                                                                                                                                               | SetupRq_20(TCV_ch)     |   |          |
| 3                           |       | L?DL_DatInCallCo                                                                                                                                                                                                                                                                           | CallCfm_20             |   | 1)       |
| 4                           |       | L?DL_DatInConn                                                                                                                                                                                                                                                                             | ConnRcv_01             |   |          |
| 5                           |       | +localtree                                                                                                                                                                                                                                                                                 |                        |   |          |
| 6                           |       | L!DL_DatRqConnAck                                                                                                                                                                                                                                                                          | ConnAck_20(TCV_ch Tch) |   |          |
| 7                           |       | L?DL_DatInAlert                                                                                                                                                                                                                                                                            | AlertRcv_01            |   |          |
| 8                           |       | (TCV_Null := OO_HookOff())                                                                                                                                                                                                                                                                 |                        |   |          |
| 9                           |       | L?DL_DatInConn                                                                                                                                                                                                                                                                             | ConnRcv_01             |   |          |
|                             |       | <b>localtree</b>                                                                                                                                                                                                                                                                           |                        |   |          |
| 10                          |       | [TCV_cellid = C_CellA]                                                                                                                                                                                                                                                                     |                        |   |          |
| 11                          |       | +localtreeA                                                                                                                                                                                                                                                                                |                        |   |          |
| 12                          |       | [TCV_cellid = C_CellB]                                                                                                                                                                                                                                                                     |                        |   |          |
| 13                          |       | +localtreeB                                                                                                                                                                                                                                                                                |                        |   |          |
|                             |       | <b>localtreeA</b>                                                                                                                                                                                                                                                                          |                        |   |          |
| 14                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                   |                        |   |          |
| 15                          |       | (TCV_AssCmd := AsgnCmd_24(TCV_asscmd_ts, TSPX_TscDef, TSPX_MAIO, TSPX_HSN, Frql_20_A0))                                                                                                                                                                                                    |                        |   |          |
| 16                          |       | +AssCh_complete(TCV_ch,TCV_chTch,TCV_Ass Cmd)                                                                                                                                                                                                                                              |                        |   | 2)       |
| 17                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                 |                        |   |          |
| 18                          |       | (TCV_AssCmd := AsgnCmd_24d(TCV_asscmd_ts, TSPX_TscDef, TSPX_MAIO, TSPX_HSN, Frql_20_A0d))                                                                                                                                                                                                  |                        |   |          |
| 19                          |       | +AssCh_complete(TCV_ch,TCV_chTch,TCV_Ass Cmd)                                                                                                                                                                                                                                              |                        |   | 2)       |
|                             |       | <b>localtreeB</b>                                                                                                                                                                                                                                                                          |                        |   |          |
| 20                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                   |                        |   |          |
| 21                          |       | (TCV_AssCmd := AsgnCmd_24(TCV_asscmd_ts, TSPX_TscDef, TSPX_MAIO, TSPX_HSN, Frql_20_B3))                                                                                                                                                                                                    |                        |   | 2)       |
| 22                          |       | +AssCh_complete(TCV_ch,TCV_chTch,TCV_Ass Cmd)                                                                                                                                                                                                                                              |                        |   |          |
| 23                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                 |                        |   |          |
| 24                          |       | (TCV_AssCmd := AsgnCmd_24d(TCV_asscmd_ts, TSPX_TscDef, TSPX_MAIO, TSPX_HSN, Frql_20_B3d))                                                                                                                                                                                                  |                        |   | 2)       |
| 25                          |       | +AssCh_complete(TCV_ch,TCV_chTch,TCV_Ass Cmd)                                                                                                                                                                                                                                              |                        |   |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. If the MS supports the bearer capabilities, which are given in the Setup message, it has to accept them. Therefor, they are no bearer capabilities expected in Call Confirm message.</li> <li>2. TCH/H with hopping in selected cell.</li> </ol> |                        |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                          |                       |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---|----------|
| <b>Test Step Name:</b>      |       | EstMsTermHalfRateCallNonFH(ta:TA)                                                                                                                                                                                                                                                        |                       |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                               |                       |   |          |
| <b>Objective:</b>           |       | To establish a half rate mobile station terminating call with non hopping channel (speech or data call).                                                                                                                                                                                 |                       |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                              |                       |   |          |
| <b>Comments:</b>            |       | used var's:<br>TCV_cellid, TCV_chdescr_arfcn, TCV_Bcap1, TCV_chTch, TCV_asscmd_ts                                                                                                                                                                                                        |                       |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                    | CRef                  | V | Comments |
| 1                           |       | +RRmtcallprepare(ta)                                                                                                                                                                                                                                                                     |                       |   |          |
| 2                           |       | LIDL_DatRqSetup (TCV_TI.ti_f := '0'B, TCV_TI.ti_v := '000'B)                                                                                                                                                                                                                             | SetupRq_20(TCV_ch)    |   |          |
| 3                           |       | L?DL_DatInCallCo                                                                                                                                                                                                                                                                         | CallCfm_20            |   | 1)       |
| 4                           |       | L?DL_DatInConn                                                                                                                                                                                                                                                                           | ConnRcv_01            |   |          |
| 5                           |       | +localtree_tchhalfrate                                                                                                                                                                                                                                                                   |                       |   |          |
| 6                           |       | L?DL_DatInAlert                                                                                                                                                                                                                                                                          | AlertRcv_01           |   |          |
| 7                           |       | (TCV_Null := OO_HookOff())                                                                                                                                                                                                                                                               |                       |   |          |
| 8                           |       | L?DL_DatInConn                                                                                                                                                                                                                                                                           | ConnRcv_01            |   |          |
| 9                           |       | +localtree_tchhalfrate                                                                                                                                                                                                                                                                   |                       |   |          |
| 10                          |       | <b>localtree_tchhalfrate</b><br>(TCV_AssCmd := AsgnCmd_23(TCV_asscmd_ts, TCV_chdescr_arfcn))                                                                                                                                                                                             |                       |   |          |
| 11                          |       | +Adjust_gsmanddcs_powerlvl(0,15,TCV_AssCmd)                                                                                                                                                                                                                                              |                       |   |          |
| 12                          |       | +AssCh_complete(TCV_ch,TCV_chTch,TCV_AssCmd)                                                                                                                                                                                                                                             |                       |   | 2)       |
| 13                          |       | LIDL_DatRqConnAck                                                                                                                                                                                                                                                                        | ConnAck_20(TCV_chTch) |   |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. If the MS supports the bearer capabilities, which are given in the Setup message, it has to accept them. Therefor, they are no bearer capabilites expected in Call Confirm message.</li> <li>2. TCH/H non hopping in selected cell.</li> </ol> |                       |   |          |



| Test Step Dynamic Behaviour |       |                                                                                                                                                            |                   |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---|----------|
| <b>Test Step Name:</b>      |       | IdleUpdated2(activ_cell: CellID; acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                    |                   |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                 |                   |   |          |
| <b>Objective:</b>           |       | To ensure that the SIM is updated to the initial conditions and the MS with CKSN valid, TMSI valid and idle updated in cell A.                             |                   |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                |                   |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                      | CRef              | V | Comments |
| 1                           |       | (TCV_Res:=OO_SwitchOff())                                                                                                                                  |                   |   |          |
| 2                           |       | +Varinit_fixA                                                                                                                                              |                   |   |          |
| 3                           |       | +CombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, acttype,slot,tsc, ta, babr, cch_con, bpm)                                                                  |                   |   |          |
| 4                           |       | LIDL_UdatRqSchinfo                                                                                                                                         | SyncInfo(C_SCH_A) |   |          |
| 5                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                   |                   |   |          |
| 6                           |       | +SysInfoSending_MM_A(BcchFreqLst_45, C_ci_cellA, LocAreald_01, CntrlChDscrp(0, babr, cch_con, bpm, t3212), CellSelPara_01, CellChDes_02, RachCntrlPara_01) |                   |   |          |
| 7                           |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                               |                   |   |          |
| 8                           |       | +localtree1                                                                                                                                                |                   |   |          |
| 9                           |       | [TSPC_DCS]                                                                                                                                                 |                   |   |          |
| 10                          |       | +SysInfoSending_MM_A(BcchFreqLst_03, C_ci_cellA, LocAreald_01, CntrlChDscrp(0, babr, cch_con, bpm, t3212), CellSelPara_04, CellChDes_03, RachCntrlPara_01) |                   |   |          |
| 11                          |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                               |                   |   |          |
| 12                          |       | +localtree1                                                                                                                                                |                   |   |          |
|                             |       | <b>localtree1</b>                                                                                                                                          |                   |   |          |
| 13                          |       | (TCV_Res:=OO_SwitchOn())                                                                                                                                   |                   |   |          |
| 14                          |       | (TCV_Cnt:=0, TCV_Upd:=FALSE)                                                                                                                               |                   |   |          |
| 15                          |       | (TCV_Res:=OO_PressKeyWhenInService())                                                                                                                      |                   |   |          |
| 16                          |       | REPEAT localtree2 UNTIL [(TCV_Cnt=60) OR (TCV_Upd=TRUE)]                                                                                                   |                   |   |          |
| 17                          |       | [TCV_Upd=TRUE]                                                                                                                                             |                   |   |          |
| 18                          |       | [TCV_Upd=FALSE]                                                                                                                                            |                   |   |          |
| 19                          |       | (TCV_Res:=OO_SwitchOff())                                                                                                                                  |                   |   |          |
| 20                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                   |                   |   |          |
| 21                          |       | +SysInfoSending_MM_A(BcchFreqLst_45, C_ci_cellA, LocAreald_01, CntrlChDscrp(1, babr, cch_con, bpm, t3212), CellSelPara_01, CellChDes_02, RachCntrlPara_01) |                   |   | ATT='1'B |
| 22                          |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                               |                   |   |          |
| 23                          |       | +localtree3                                                                                                                                                |                   |   |          |
| 24                          |       | [TSPC_DCS]                                                                                                                                                 |                   |   |          |
| 25                          |       | +SysInfoSending_MM_A(BcchFreqLst_03, C_ci_cellA, LocAreald_01, CntrlChDscrp(1, babr, cch_con, bpm, t3212), CellSelPara_04, CellChDes_03, RachCntrlPara_01) |                   |   | ATT='1'B |
| 26                          |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                               |                   |   |          |
| 27                          |       | +localtree3                                                                                                                                                |                   |   |          |
|                             |       | <b>localtree2</b>                                                                                                                                          |                   |   |          |
| 28                          |       | (TCV_Res:=OO_Key())                                                                                                                                        |                   |   |          |
| 29                          |       | [TCV_Res=TRUE]                                                                                                                                             |                   |   |          |
| 30                          |       | (TCV_Upd:=TRUE)                                                                                                                                            |                   |   |          |
| 31                          |       | [TCV_Res=FALSE]                                                                                                                                            |                   |   |          |

|                           |                                                                                                                                                                     |                                                                                            |                          |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------|
| 32                        | START T_dly(1000)                                                                                                                                                   |                                                                                            |                          |
| 33                        | ?TIMEOUT T_dly                                                                                                                                                      |                                                                                            |                          |
| 34                        | (TCV_Cnt:=TCV_Cnt+1)                                                                                                                                                |                                                                                            |                          |
| 35                        | +localtree_Lup_Auth(MiTmsi_01iei, C_lacellA)                                                                                                                        |                                                                                            |                          |
|                           | <b>localtree3</b>                                                                                                                                                   |                                                                                            |                          |
| 36                        | (TCV_Res:=OO_SwitchOn())                                                                                                                                            |                                                                                            |                          |
| 37                        | +localtree_Lup_Auth(MiTmsi_01iei, C_lacellA)                                                                                                                        |                                                                                            |                          |
| 38                        | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                            |                                                                                            |                          |
| 39                        | +SysInfoSending_MM_A(BcchFreqLst_45,<br>C_ci_cellA, LocAreald_01, CntrlChDscrp(0,<br>babr, cch_con, bpm, t3212), CellSelPara_01,<br>CellChDes_02, RachCntrlPara_01) |                                                                                            |                          |
| 40                        | +SysInfo_SacchSending(TCV_sacch,<br>TCV_sysinfo5, TCV_sysinfo6)                                                                                                     |                                                                                            |                          |
| 41                        | +localtree4                                                                                                                                                         |                                                                                            |                          |
| 42                        | [TSPC_DCS]                                                                                                                                                          |                                                                                            |                          |
| 43                        | +SysInfoSending_MM_A(BcchFreqLst_03,<br>C_ci_cellA, LocAreald_01, CntrlChDscrp(0,<br>babr, cch_con, bpm, t3212), CellSelPara_04,<br>CellChDes_03, RachCntrlPara_01) |                                                                                            |                          |
| 44                        | +SysInfo_SacchSending(TCV_sacch,<br>TCV_sysinfo5, TCV_sysinfo6)                                                                                                     |                                                                                            |                          |
| 45                        | +localtree4                                                                                                                                                         |                                                                                            |                          |
|                           | <b>localtree4</b>                                                                                                                                                   |                                                                                            |                          |
| 46                        | (TCV_Null:=OM_PgFill(C_CellA, PgReqTp1Reorg))                                                                                                                       |                                                                                            |                          |
| 47                        | START T_dly(10000)                                                                                                                                                  |                                                                                            |                          |
| 48                        | ?TIMEOUT T_dly                                                                                                                                                      |                                                                                            |                          |
| 49                        | (TCV_Null:=OM_PgFill(C_CellA,<br>PgReqTp1Norm))                                                                                                                     |                                                                                            |                          |
|                           | <b>localtree_Lup_Auth(newtmsi: MI;<br/>lac:OCTETSTRING)</b>                                                                                                         |                                                                                            |                          |
| 50                        | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                 | ChReq_02                                                                                   | Any channel request PDU  |
| 51                        | ACTIVATE(OtherEvents_02)                                                                                                                                            |                                                                                            | To match ChReq retrans.  |
| 52                        | LIDL_UdatRqImmss                                                                                                                                                    | ImmAss_01(TCV_agc<br>h, TCV_Rr, TCV_Fn,<br>TCV_slot, TCV_tsc,<br>ta,<br>TCV_chdescr_arfcn) |                          |
| 53                        | L?DL_EstInLupRq                                                                                                                                                     | LocUp_36                                                                                   | Any location update type |
| 54                        | ACTIVATE(OtherEvents)                                                                                                                                               |                                                                                            | Restore Normal default   |
| 55                        | +CCAuthenticate(TCV_ch)                                                                                                                                             |                                                                                            |                          |
| 56                        | LIDL_DatRqLupAcp                                                                                                                                                    | LocAcp_30(newtmsi,<br>TCV_ch, lac)                                                         |                          |
| 57                        | L?DL_DatInTmsireCom                                                                                                                                                 | TmsiReallocCmp_02(<br>TCV_ch)                                                              | (P)                      |
| 58                        | +PostMainLinkRel(TCV_ch)                                                                                                                                            |                                                                                            | Release Channel          |
| <b>Detailed Comments:</b> |                                                                                                                                                                     |                                                                                            |                          |

| Test Step Dynamic Behaviour |       |                                                                                                                                        |                   |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------|---|----------|
| <b>Test Step Name:</b>      |       | IdleUpdated(activ_cell: CellID; acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                 |                   |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                             |                   |   |          |
| <b>Objective:</b>           |       | To ensure that the SIM is updated to the initial conditions and the MS with CKSN valid, TMSI valid and idle updated in cell A, B or C. |                   |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                            |                   |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                  | CRef              | V | Comments |
| 1                           |       | [activ_cell = C_CellA]                                                                                                                 |                   |   |          |
| 2                           |       | +cellA                                                                                                                                 |                   |   |          |
| 3                           |       | [activ_cell = C_CellB]                                                                                                                 |                   |   |          |
| 4                           |       | +cellB                                                                                                                                 |                   |   |          |
| 5                           |       | [activ_cell = C_CellC]                                                                                                                 |                   |   |          |
| 6                           |       | +cellC                                                                                                                                 |                   |   |          |
| <b>cellA</b>                |       |                                                                                                                                        |                   |   |          |
| 7                           |       | (TCV_Res := OO_SwitchOff())                                                                                                            |                   |   |          |
| 8                           |       | +Varinit_fixA                                                                                                                          |                   |   |          |
| 9                           |       | +CombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, acttype,slot,tsc, ta, babr, cch_con, bpm)                                              |                   |   |          |
| 10                          |       | LIDL_UdatRqSchinfo                                                                                                                     | SyncInfo(C_SCH_A) |   |          |
| 11                          |       | +ltree_sysinfo(0)                                                                                                                      |                   |   | ATT='0'B |
| 12                          |       | +localtree1                                                                                                                            |                   |   |          |
| <b>cellB</b>                |       |                                                                                                                                        |                   |   |          |
| 13                          |       | (TCV_Res := OO_SwitchOff())                                                                                                            |                   |   |          |
| 14                          |       | +Varinit_fixB                                                                                                                          |                   |   |          |
| 15                          |       | +CombinedBCCH_B(63, FreqBCCHb_rg, FreqBCCHb_rd, acttype,slot,tsc, ta, babr, cch_con, bpm)                                              |                   |   |          |
| 16                          |       | LIDL_UdatRqSchinfo                                                                                                                     | SyncInfo(C_SCH_B) |   |          |
| 17                          |       | +ltree_sysinfo(0)                                                                                                                      |                   |   | ATT='0'B |
| 18                          |       | +localtree1                                                                                                                            |                   |   |          |
| <b>cellC</b>                |       |                                                                                                                                        |                   |   |          |
| 19                          |       | (TCV_Res := OO_SwitchOff())                                                                                                            |                   |   |          |
| 20                          |       | +Varinit_fixC                                                                                                                          |                   |   |          |
| 21                          |       | +CombinedBCCH_C(63, FreqBCCHc, FreqBCCHc_d, acttype,slot,tsc, ta, babr, cch_con, bpm)                                                  |                   |   |          |
| 22                          |       | LIDL_UdatRqSchinfo                                                                                                                     | SyncInfo(C_SCH_C) |   |          |
| 23                          |       | +ltree_sysinfo(0)                                                                                                                      |                   |   | ATT='0'B |
| 24                          |       | +localtree1                                                                                                                            |                   |   |          |
| <b>localtree1</b>           |       |                                                                                                                                        |                   |   |          |
| 25                          |       | (TCV_Res:=OO_SwitchOn(), TCV_Cnt:=0, TCV_Upd:=FALSE, TCV_Res:=OO_PressKeyWhenInService())                                              |                   |   |          |
| 26                          |       | REPEAT localtree2 UNTIL [(TCV_Cnt=60) OR (TCV_Upd=TRUE)]                                                                               |                   |   |          |
| 27                          |       | [TCV_Upd=TRUE]                                                                                                                         |                   |   |          |
| 28                          |       | [TCV_Upd=FALSE]                                                                                                                        |                   |   |          |
| 29                          |       | (TCV_Res:=OO_SwitchOff())                                                                                                              |                   |   |          |
| 30                          |       | +ltree_sysinfo(1)                                                                                                                      |                   |   | ATT='1'B |
| 31                          |       | (TCV_Res:=OO_SwitchOn())                                                                                                               |                   |   |          |
| 32                          |       | +localtree_Lup_Auth( MiTmsi_01iei)                                                                                                     |                   |   |          |
| <b>localtree2</b>           |       |                                                                                                                                        |                   |   |          |
| 33                          |       | (TCV_Res:=OO_Key())                                                                                                                    |                   |   |          |
| 34                          |       | [TCV_Res=TRUE]                                                                                                                         |                   |   |          |
| 35                          |       | (TCV_Upd:=TRUE)                                                                                                                        |                   |   |          |
| 36                          |       | [TCV_Res=FALSE]                                                                                                                        |                   |   |          |
| 37                          |       | START T_dly(1000)                                                                                                                      |                   |   |          |
| 38                          |       | ?TIMEOUT T_dly                                                                                                                         |                   |   |          |
| 39                          |       | (TCV_Cnt:=TCV_Cnt+1)                                                                                                                   |                   |   |          |

|    |                                                                                                                                                                                      |                                                                                 |                          |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------|
| 40 | +localtree_Lup_Auth( MiTmsi_01iei)                                                                                                                                                   |                                                                                 |                          |
|    | <b>localtree_Lup_Auth(newtmsi: MI)</b>                                                                                                                                               |                                                                                 |                          |
| 41 | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                                  | ChReq_02                                                                        | Any channel request PDU  |
| 42 | ACTIVATE(OtherEvents_02)                                                                                                                                                             |                                                                                 | To match ChReq retrans.  |
| 43 | LIDL_UdatRqImm                                                                                                                                                                       | ImmAss_01(TCV_agc<br>h, TCV_Rr, TCV_Fn,<br>slot, tsc, ta,<br>TCV_chdescr_arfcn) |                          |
| 44 | L?DL_EstInLupRq                                                                                                                                                                      | LocUp_36                                                                        | Any location update type |
| 45 | ACTIVATE(OtherEvents)                                                                                                                                                                |                                                                                 | Restore Normal default   |
| 46 | +CCAAuthenticate(TCV_ch)                                                                                                                                                             |                                                                                 |                          |
| 47 | LIDL_DatRqLupAcp                                                                                                                                                                     | LocAcp_30(newtmsi,<br>TCV_ch, TCV_lac)                                          |                          |
| 48 | L?DL_DatInTmsireCom                                                                                                                                                                  | TmsiReallocCmp_02(<br>TCV_ch)                                                   | (P)                      |
| 49 | +PostMainLinkRel(TCV_ch)                                                                                                                                                             |                                                                                 | Release Channel          |
|    | <b>ltree_sysinfo(attach:INTEGER)</b>                                                                                                                                                 |                                                                                 |                          |
| 50 | [activ_cell = C_CellA]                                                                                                                                                               |                                                                                 |                          |
| 51 | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                             |                                                                                 |                          |
| 52 | +SysInfoSending_MM_A(BcchFreqLst_45,<br>C_ci_cellA, LocAreald_01, CntrlChDscrp(attach,<br>babr, cch_con, bpm, t3212), CellSelPara_01,<br>CellChDes_02, RachCntrlPara_01)             |                                                                                 |                          |
| 53 | +SysInfo_SacchSending(TCV_sacch,<br>TCV_sysinfo5, TCV_sysinfo6)                                                                                                                      |                                                                                 |                          |
| 54 | [TSPC_DCS]                                                                                                                                                                           |                                                                                 |                          |
| 55 | +SysInfoSending_MM_A(BcchFreqLst_03,<br>C_ci_cellA, LocAreald_01, CntrlChDscrp(attach,<br>babr, cch_con, bpm, t3212), CellSelPara_04,<br>CellChDes_03, RachCntrlPara_01)             |                                                                                 |                          |
| 56 | +SysInfo_SacchSending(TCV_sacch,<br>TCV_sysinfo5, TCV_sysinfo6)                                                                                                                      |                                                                                 |                          |
| 57 | [activ_cell = C_CellB]                                                                                                                                                               |                                                                                 |                          |
| 58 | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                             |                                                                                 |                          |
| 59 | +SysInfoSending_MM_B(BcchFreqLst_45,<br>C_ci_cellB, LocAreald_02, CntrlChDscrp(attach,<br>babr, cch_con, bpm, t3212), CellSelPara_01,<br>CellChDes_04, RachCntrlPara_01)             |                                                                                 |                          |
| 60 | +SysInfo_SacchSending(TCV_sacch_B,<br>TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                                                                |                                                                                 |                          |
| 61 | [TSPC_DCS]                                                                                                                                                                           |                                                                                 |                          |
| 62 | +SysInfoSending_MM_B(BcchFreqLst_03,<br>C_ci_cellB, LocAreald_02, CntrlChDscrp(attach,<br>babr, cch_con, bpm, t3212), CellSelPara_04,<br>CellChDes_03, RachCntrlPara_01)             |                                                                                 |                          |
| 63 | +SysInfo_SacchSending(TCV_sacch_B,<br>TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                                                                |                                                                                 |                          |
| 64 | [activ_cell = C_CellC]                                                                                                                                                               |                                                                                 |                          |
| 65 | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                             |                                                                                 |                          |
| 66 | +SysInfoSending_MM_C(BcchFreqLst_45,<br>C_ci_cellC, LocAreald_30(TCV_lac),<br>CntrlChDscrp(attach, babr, cch_con, bpm, t3212),<br>CellSelPara_01, CellChDes_02,<br>RachCntrlPara_01) |                                                                                 |                          |
| 67 | +SysInfo_SacchSending(TCV_sacch_C,<br>TCV_sysinfo5_C, TCV_sysinfo6_C)                                                                                                                |                                                                                 |                          |
| 68 | [TSPC_DCS]                                                                                                                                                                           |                                                                                 |                          |
| 69 | +SysInfoSending_MM_C(BcchFreqLst_03,<br>C_ci_cellC, LocAreald_30(TCV_lac),<br>CntrlChDscrp(attach, babr, cch_con, bpm, t3212),<br>CellSelPara_04, CellChDes_03,<br>RachCntrlPara_01) |                                                                                 |                          |
| 70 | +SysInfo_SacchSending(TCV_sacch_C,<br>TCV_sysinfo5_C, TCV_sysinfo6_C)                                                                                                                |                                                                                 |                          |

Detailed Comments:

| Test Step Dynamic Behaviour                                                                                                                      |       |                                                                                                                                                                        |      |   |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> PreCCSetup(acttype:BITSTRING; slot:SN; tsc:TSC; t, retr, att:INTEGER; ta:TA; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)   |       |                                                                                                                                                                        |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Preambles/                                                                                                         |       |                                                                                                                                                                        |      |   |          |
| <b>Objective:</b> Setup tester and MS for CC testing                                                                                             |       |                                                                                                                                                                        |      |   |          |
| <b>Default:</b> OtherEvents                                                                                                                      |       |                                                                                                                                                                        |      |   |          |
| Nr                                                                                                                                               | Label | Behaviour Description                                                                                                                                                  | CRef | V | Comments |
| 1                                                                                                                                                |       | +IdleUpdated(C_CellA, acttype,slot,tsc, ta, '000'B, '001'B, '011'B, '00'O)                                                                                             |      |   | 1.       |
| 2                                                                                                                                                |       | (TCV_ch := OC_SubchOfSdcch4(TSPX_SDCCH4SubDef, C_CellA), TCV_sacch := OC_SubchOfSacch4(TSPX_SDCCH4SubDef, C_CellA), TCV_CphKey := OC_CphKeyGen(TSPX_Ki, TSPX_RANDDef)) |      |   | 4.       |
| 3                                                                                                                                                |       | +CombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, acttype,slot,tsc, ta, babr, cch_con, bpm)                                                                              |      |   | 2.       |
| 4                                                                                                                                                |       | +SysInfoSending_01(t, retr, att, 0, babr, cch_con, bpm, t3212)                                                                                                         |      |   | 3.       |
| 5                                                                                                                                                |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                           |      |   |          |
| 6                                                                                                                                                |       | +WaitForInService                                                                                                                                                      |      |   |          |
| <b>Detailed Comments:</b>                                                                                                                        |       |                                                                                                                                                                        |      |   |          |
| 1. Set SS default parameters (Cell A, combined BCCH and SDCCH/4) and MS initial condition (Idle updated on Cell A with allocated TMSI and CKSN). |       |                                                                                                                                                                        |      |   |          |
| 2. CCCH combined with SDCCH/4.                                                                                                                   |       |                                                                                                                                                                        |      |   |          |
| 3. Tc-integer = 5, Max-retrans = 7, ATT = 0                                                                                                      |       |                                                                                                                                                                        |      |   |          |
| 4. Get SDCCH/4 channel identifier and ciphering key                                                                                              |       |                                                                                                                                                                        |      |   |          |

| Test Step Dynamic Behaviour                                                                                                                      |       |                                                                              |      |   |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> PreCCSetupMO(acttype:BITSTRING; slot:SN; tsc:TSC; t, retr, att:INTEGER; ta:TA; babr, cch_con, bpm:B_3; t3212:OCTETSTRING) |       |                                                                              |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Preambles/                                                                                                         |       |                                                                              |      |   |          |
| <b>Objective:</b> Setup tester for CC testing, mobile originated call establishment                                                              |       |                                                                              |      |   |          |
| <b>Default:</b> OtherEvents                                                                                                                      |       |                                                                              |      |   |          |
| Nr                                                                                                                                               | Label | Behaviour Description                                                        | CRef | V | Comments |
| 1                                                                                                                                                |       | +PreCCSetup(acttype, slot, tsc, t, retr, att, ta, babr, cch_con, bpm, t3212) |      |   |          |
| 2                                                                                                                                                |       | +InitCall(TCV_Service)                                                       |      |   |          |
| 3                                                                                                                                                |       | +BasicServiceMO(TCV_Service, TCV_ChRate)                                     |      |   |          |
| <b>Detailed Comments:</b>                                                                                                                        |       |                                                                              |      |   |          |

| Test Step Dynamic Behaviour                                                                                                                                                                                                                                              |       |                                                                                              |      |   |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> PreEnterIdleState_02(acttype:BITSTRING; slot:SN; tsc:TSC; t, retr, att:INTEGER; ta:TA; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                                 |       |                                                                                              |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                 |       |                                                                                              |      |   |          |
| <b>Objective:</b> To set one physical channel used as FCHH_SCH_BCCH_CCCH for cell A and broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters, except CCCH not combined with SDCCH, then wait for the SUT (MS) entering the Idle updated state. |       |                                                                                              |      |   |          |
| <b>Default:</b> OtherEvents                                                                                                                                                                                                                                              |       |                                                                                              |      |   |          |
| <b>Comments:</b> CCCH not combined with SDCCH.                                                                                                                                                                                                                           |       |                                                                                              |      |   |          |
| Nr                                                                                                                                                                                                                                                                       | Label | Behaviour Description                                                                        | CRef | V | Comments |
| 1                                                                                                                                                                                                                                                                        |       | +NonCombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, acttype,slot,tsc, ta, babr, cch_con, bpm) |      |   |          |
| 2                                                                                                                                                                                                                                                                        |       | +SysInfoSending_01(t, retr, att, 0, babr, cch_con, bpm, t3212)                               |      |   | 1.       |
| 3                                                                                                                                                                                                                                                                        |       | +WaitForInService                                                                            |      |   |          |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                |       |                                                                                              |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                  |      |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterIdleState_03(actype:BITSTRING; slot:SN; tsc:TSC; t, retr, att:INTEGER; ta:TA; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                                                                 |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                       |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell A, then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters for cell A, and wait for the SUT (MS) entering the Idle updated state. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                      |      |   |          |
| <b>Comments:</b>            |       | IMSI attach/detach not allowed (ATT=0). used for initial testing.                                                                                                                                                                                                                |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                            | CRef | V | Comments |
| 1                           |       | +CombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, actype,slot,tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                         |      |   | 1.       |
| 2                           |       | +SysInfoSending_01(t, retr, att, 0, babr, cch_con, bpm, t3212)                                                                                                                                                                                                                   |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                                                                                                                                     |      |   |          |
| 4                           |       | +WaitForInService                                                                                                                                                                                                                                                                |      |   |          |
| <b>Detailed Comments:</b>   |       | 1. CCCH combined with SDCCH                                                                                                                                                                                                                                                      |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                  |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterIdleState_04(actype:BITSTRING; slot:SN; tsc:TSC; t, retr, att:INTEGER; actypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                                          |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                       |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel used as full rate traffic channel for cell A and a physical channel used as combined BCCH then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 containing default parameters except Max-Retrans = 7. and wait for the SUT (MS) entering the Idle updated state. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                      |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                            | CRef | V | Comments |
| 1                           |       | +CombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, actype,slot,tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                         |      |   | 1.       |
| 2                           |       | +SysInfoSending_01(t, retr, att, 0, babr, cch_con, bpm, t3212)                                                                                                                                                                                                                                   |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                                                                                                                                                     |      |   |          |
| 4                           |       | +FullRateCh_A_def(actypeT,slotT,tscT, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                    |      |   |          |
| 5                           |       | +WaitForInService                                                                                                                                                                                                                                                                                |      |   |          |
| <b>Detailed Comments:</b>   |       | 1. CCCH combined with SDCCH, Tx-integer=5, Max-retrns=7, ATT=0.                                                                                                                                                                                                                                  |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                  |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterIdleState_05(actype:BITSTRING; slot:SN; tsc:TSC; t, retr, att:INTEGER; actypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                                          |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                       |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel used as half rate traffic channel for cell A and a physical channel used as combined BCCH then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 containing default parameters except Max-Retrans = 7. and wait for the SUT (MS) entering the Idle updated state. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                      |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                            | CRef | V | Comments |
| 1                           |       | +CombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, actype,slot,tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                         |      |   | 1.       |
| 2                           |       | +SysInfoSending_01(t, retr, att, 0, babr, cch_con, bpm, t3212)                                                                                                                                                                                                                                   |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                                                                                                                                                     |      |   |          |
| 4                           |       | +HalfRateCh_A_def(actypeT,slotT,tscT, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                    |      |   |          |
| 5                           |       | +WaitForInService                                                                                                                                                                                                                                                                                |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                                                                                  |      |   |          |

| Test Step Dynamic Behaviour                                                                                                                                                                                                                |       |                                                                       |      |   |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> PreEnterIdleState_07(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                            |       |                                                                       |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                   |       |                                                                       |      |   |          |
| <b>Objective:</b> To setup a physical channel as combined BCCH, CCCH and SDCCH4, then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters in cell B, and wait for the SUT (MS) entering the Idle updated state. |       |                                                                       |      |   |          |
| <b>Default:</b> OtherEvents                                                                                                                                                                                                                |       |                                                                       |      |   |          |
| Nr                                                                                                                                                                                                                                         | Label | Behaviour Description                                                 | CRef | V | Comments |
| 1                                                                                                                                                                                                                                          |       | +StartCellB_1(acttype, slot, tsc, ta, att, babr, cch_con, bpm, t3212) |      |   |          |
| 2                                                                                                                                                                                                                                          |       | +WaitForInService                                                     |      |   |          |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                  |       |                                                                       |      |   |          |

| Test Step Dynamic Behaviour                                                                                                                                                                                                                                                                                                     |       |                                                                                             |      |   |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> PreEnterIdleState_11(acttype:BITSTRING; slot:SN; tsc:TSC; acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                                                         |       |                                                                                             |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                        |       |                                                                                             |      |   |          |
| <b>Objective:</b> To set a physical channel used as full rate traffic channel for cell A and a physical channel used as combined BCCH then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 containing default parameters except Cell-Reselect-Hysteresis = 0, and wait for the SUT (MS) entering the Idle updated state. |       |                                                                                             |      |   |          |
| <b>Default:</b> OtherEvents                                                                                                                                                                                                                                                                                                     |       |                                                                                             |      |   |          |
| Nr                                                                                                                                                                                                                                                                                                                              | Label | Behaviour Description                                                                       | CRef | V | Comments |
| 1                                                                                                                                                                                                                                                                                                                               |       | +CombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, acttype, slot, tsc, ta, babr, cch_con, bpm) |      |   |          |
| 2                                                                                                                                                                                                                                                                                                                               |       | +SysInfoSending_19('0'B, att, babr, cch_con, bpm, t3212)                                    |      |   |          |
| 3                                                                                                                                                                                                                                                                                                                               |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                |      |   |          |
| 4                                                                                                                                                                                                                                                                                                                               |       | +FullRateCh_A_def(acttypeT,slotT,tscT, ta, babr, cch_con, bpm)                              |      |   |          |
| 5                                                                                                                                                                                                                                                                                                                               |       | +WaitForInService                                                                           |      |   |          |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                       |       |                                                                                             |      |   |          |

| Test Step Dynamic Behaviour                                                                                                                                                                                                                                                                                                                      |       |                                                                                           |      |   |          |
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| <b>Test Step Name:</b> PreEnterIdleState_12(acttype:BITSTRING; slot:SN; tsc:TSC; acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                                                                          |       |                                                                                           |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                                         |       |                                                                                           |      |   |          |
| <b>Objective:</b> To set a physical channel used as full rate traffic channel for cell A and a physical channel used as combined BCCH then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 containing default parameters except Max-Retrans = 7, Cell-Reselect-Hysteresis = 0, and wait for the SUT (MS) entering the Idle updated state. |       |                                                                                           |      |   |          |
| <b>Default:</b> OtherEvents                                                                                                                                                                                                                                                                                                                      |       |                                                                                           |      |   |          |
| <b>Comments:</b> call re-establishment is not allowed.                                                                                                                                                                                                                                                                                           |       |                                                                                           |      |   |          |
| Nr                                                                                                                                                                                                                                                                                                                                               | Label | Behaviour Description                                                                     | CRef | V | Comments |
| 1                                                                                                                                                                                                                                                                                                                                                |       | +CombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, acttype,slot,tsc, ta, babr, cch_con, bpm) |      |   |          |
| 2                                                                                                                                                                                                                                                                                                                                                |       | +SysInfoSending_19('1'B, att, babr, cch_con, bpm, t3212)                                  |      |   |          |
| 3                                                                                                                                                                                                                                                                                                                                                |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                              |      |   |          |
| 4                                                                                                                                                                                                                                                                                                                                                |       | +FullRateCh_A_def(acttypeT,slotT,tscT, ta, babr, cch_con, bpm)                            |      |   |          |
| 5                                                                                                                                                                                                                                                                                                                                                |       | +WaitForInService                                                                         |      |   |          |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                        |       |                                                                                           |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                  |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterIdleState_13(acttype:BITSTRING; slot:SN; tsc:TSC; t, retr, att:INTEGER; acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                                        |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                       |      |   |          |
| <b>Objective:</b>           |       | To set a physical channel used as full rate traffic channel for cell A and a physical channel used as combined BCCH then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 containing default parameters except Max-Retrans = 1. and wait for the SUT (MS) entering the Idle updated state. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                      |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                            | CRef | V | Comments |
| 1                           |       | +CombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, acttype,slot,tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                        |      |   |          |
| 2                           |       | +SysInfoSending_01(t, retr, att, 0, babr, cch_con, bpm, t3212)                                                                                                                                                                                                                                   |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                                                                                                                                                     |      |   |          |
| 4                           |       | +FullRateCh_A_1sp(acttypeT,slotT,tscT, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                   |      |   |          |
| 5                           |       | +WaitForInService                                                                                                                                                                                                                                                                                |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                                                                                  |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
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| <b>Test Step Name:</b>      |       | PreEnterIdleState_r01(acttype:BITSTRING; slot:SN; tsc:TSC; tx, retrans, att:INTEGER; ta:TA; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                                                                                                                                                                                |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                                                                                                            |      |   |          |
| <b>Objective:</b>           |       | To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 containing RR testing default parameters in cell A with the following exceptions :<br><ul style="list-style-type: none"> <li>- channel configuration can set to combined or not,</li> <li>- max retransmission and tx-integer can be assigned;</li> </ul> The test system is then waiting for the SUT (MS) entering the Idle updated state. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                                                                                                                           |      |   |          |
| <b>Comments:</b>            |       | The preamble is used for the RR tests.                                                                                                                                                                                                                                                                                                                                                                |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                 | CRef | V | Comments |
| 1                           |       | +NonCombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                                                                                        |      |   |          |
| 2                           |       | +SysInfoSending_r1(tx, retrans, att, babr, cch_con, bpm, t3212)                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 3                           |       | +WaitForInService                                                                                                                                                                                                                                                                                                                                                                                     |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |



| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
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| <b>Test Step Name:</b>      |       | PreEnterIdleState_Comb01(acttype:BITSTRING; slot:SN; tsc:TSC; tx, retrans, att:INTEGER; ta:TA; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                                                                                                                                                                             |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                                                                                                            |      |   |          |
| <b>Objective:</b>           |       | To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 containing RR testing default parameters in cell A with the following exceptions :<br><ul style="list-style-type: none"> <li>- channel configuration can set to combined or not,</li> <li>- max retransmission and tx-integer can be assigned;</li> </ul> The test system is then waiting for the SUT (MS) entering the Idle updated state. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                                                                                                                           |      |   |          |
| <b>Comments:</b>            |       | The preamble is used for the RR tests.                                                                                                                                                                                                                                                                                                                                                                |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                 | CRef | V | Comments |
| 1                           |       | +CombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                                                                                           |      |   |          |
| 2                           |       | +SysInfoSending_r1(tx, retrans, att, babr, cch_con, bpm, t3212)                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                                                                                                                                                                                                                                                          |      |   |          |
| 4                           |       | +WaitForInService                                                                                                                                                                                                                                                                                                                                                                                     |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                  |      |   |          |
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| <b>Test Step Name:</b>      |       | PreEnterIdleState_r02(acttype:BITSTRING; slot:SN; tsc:TSC; tx, retrans:INTEGER; slot2:SN; slot3:SN; slot4:SN; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                                                                                                                     |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| <b>Objective:</b>           |       | To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 containing default parameters in cell A with the following exceptions :<br>- legal combination of CCCH-CONF, BS-AG-BLKS-RES, BS-PA-MFRMS are specified by parameter `ccd`<br>- max retransmission and tx-integer can be assigned,<br>The test system is then waiting for the SUT (MS) entering the Idle updated state. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                                                                                                      |      |   |          |
| <b>Comments:</b>            |       | The preamble is used for the RR tests.                                                                                                                                                                                                                                                                                                                                           |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                            | CRef | V | Comments |
| 1                           |       | [cch_con = '001'B]                                                                                                                                                                                                                                                                                                                                                               |      |   |          |
| 2                           |       | +CombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, acttype,slot,tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                                                                        |      |   |          |
| 3                           |       | +SysInfoSending_r2(tx, retrans, C_BCCH_A_1, att, babr, cch_con, bpm, t3212)                                                                                                                                                                                                                                                                                                      |      |   |          |
| 4                           |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                                                                                                                                                                                                                                     |      |   |          |
| 5                           |       | +WaitForInService                                                                                                                                                                                                                                                                                                                                                                |      |   |          |
| 6                           |       | [cch_con = '000'B]                                                                                                                                                                                                                                                                                                                                                               |      |   |          |
| 7                           |       | +localtree                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 8                           |       | [cch_con = '010'B]                                                                                                                                                                                                                                                                                                                                                               |      |   |          |
| 9                           |       | +NonCombinedBCCH_A_2(acttype,slot2,tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                                                                                                  |      |   |          |
| 10                          |       | +SysInfoSending_r2(tx, retrans, C_BCCH_A_2, att, babr, cch_con, bpm, t3212)                                                                                                                                                                                                                                                                                                      |      |   |          |
| 11                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 12                          |       | [cch_con = '100'B]                                                                                                                                                                                                                                                                                                                                                               |      |   |          |
| 13                          |       | +NonCombinedBCCH_A_2(acttype,slot2,tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                                                                                                  |      |   |          |
| 14                          |       | +NonCombinedBCCH_A_3(acttype,slot3,tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                                                                                                  |      |   |          |
| 15                          |       | +SysInfoSending_r2(tx, retrans, C_BCCH_A_2, att, babr, cch_con, bpm, t3212)                                                                                                                                                                                                                                                                                                      |      |   |          |
| 16                          |       | +SysInfoSending_r2(tx, retrans, C_BCCH_A_3, att, babr, cch_con, bpm, t3212)                                                                                                                                                                                                                                                                                                      |      |   |          |
| 17                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 18                          |       | [cch_con = '110'B]                                                                                                                                                                                                                                                                                                                                                               |      |   |          |
| 19                          |       | +NonCombinedBCCH_A_2(acttype,slot2,tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                                                                                                  |      |   |          |
| 20                          |       | +NonCombinedBCCH_A_3(acttype,slot3,tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                                                                                                  |      |   |          |
| 21                          |       | +NonCombinedBCCH_A_4(acttype,slot4,tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                                                                                                  |      |   |          |
| 22                          |       | +SysInfoSending_r2(tx, retrans, C_BCCH_A_2, att, babr, cch_con, bpm, t3212)                                                                                                                                                                                                                                                                                                      |      |   |          |
| 23                          |       | +SysInfoSending_r2(tx, retrans, C_BCCH_A_3, att, babr, cch_con, bpm, t3212)                                                                                                                                                                                                                                                                                                      |      |   |          |
| 24                          |       | +SysInfoSending_r2(tx, retrans, C_BCCH_A_4, att, babr, cch_con, bpm, t3212)                                                                                                                                                                                                                                                                                                      |      |   |          |
| 25                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 26                          |       | <b>localtree</b><br>+NonCombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, acttype,slot,tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                                                 |      |   |          |
| 27                          |       | +SysInfoSending_r2(tx, retrans, C_BCCH_A_1, att, babr, cch_con, bpm, t3212)                                                                                                                                                                                                                                                                                                      |      |   |          |
| 28                          |       | +SDCCH8_A_def(acttype,slot,tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                                                                                                          |      |   |          |
| 29                          |       | +WaitForInService                                                                                                                                                                                                                                                                                                                                                                |      |   |          |

Detailed Comments:

**Test Step Dynamic Behaviour**

**Test Step Name:** PreEnterIdleState\_r03(actype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch\_con, bpm:B\_3; t3212:OCTETSTRING)  
**Group:** GSM\_L3\_MS\_v4160/Preambles/  
**Objective:** To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 containing default parameters in cell A with the following exception :  
 - radio-link-timeout = 64.  
 The test system is then waiting for the SUT (MS) entering the Idle updated state.  
**Default:** OtherEvents  
**Comments:** The preamble is used for the RR tests.

| Nr | Label | Behaviour Description                                                                      | CRef | V | Comments |
|----|-------|--------------------------------------------------------------------------------------------|------|---|----------|
| 1  |       | +CombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, actype, slot, tsc, ta, babr, cch_con, bpm) |      |   |          |
| 2  |       | +SysInfoSending_9(5, 1, att, babr, cch_con, bpm, t3212)                                    |      |   |          |
| 3  |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                               |      |   |          |
| 4  |       | +WaitForInService                                                                          |      |   |          |

Detailed Comments:

**Test Step Dynamic Behaviour**

**Test Step Name:** PreEnterIdleState\_r03\_1(actype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch\_con, bpm:B\_3; t3212:OCTETSTRING)  
**Group:** GSM\_L3\_MS\_v4160/Preambles/  
**Objective:** To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 containing default parameters in cell A with the following exception :  
 - radio-link-timeout = 64.  
 The test system is then waiting for the SUT (MS) entering the Idle updated state.  
**Default:** OtherEvents  
**Comments:** The preamble is used for the RR tests.

| Nr | Label | Behaviour Description                                                                       | CRef | V | Comments |
|----|-------|---------------------------------------------------------------------------------------------|------|---|----------|
| 1  |       | +CombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd1, actype, slot, tsc, ta, babr, cch_con, bpm) |      |   |          |
| 2  |       | +SysInfoSending_9(5, 1, att, babr, cch_con, bpm, t3212)                                     |      |   |          |
| 3  |       | +SysInfo_SacchSending( TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                               |      |   |          |
| 4  |       | +WaitForInService                                                                           |      |   |          |

Detailed Comments:

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterIdleState_Comb04(acttype:BITSTRING; slot:SN; tsc:TSC; tx, retrans, att:INTEGER; acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                                                                                                                                                                                                                                                           |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |   |          |
| <b>Objective:</b>           |       | <p>To setup a physical channel as full rate traffic channel and a physical channel as BCCH, CCCH and SDCCH4 then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 containing RR testing default parameters in cell A with the following exceptions :</p> <ul style="list-style-type: none"> <li>- channel configuration can set to combined or not,</li> <li>- max retransmission and tx-integer can be assigned;</li> </ul> <p>The test system is then waiting for the SUT (MS) entering the Idle updated state.</p> |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |   |          |
| <b>Comments:</b>            |       | The preamble is used for the RR tests.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CRef | V | Comments |
| 1                           |       | +CombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |   |          |
| 2                           |       | +SysInfoSending_r1(tx, retrans, att, babr, cch_con, bpm, t3212)                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |   |          |
| 4                           |       | +FullRateCh_A_im_def(acttypeT, slotT, tscT, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |   |          |
| 5                           |       | +SysInfo_SacchSending( TCV_sacchTch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |   |          |
| 6                           |       | +WaitForInService                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |   |          |

| Test Step Dynamic Behaviour                                                                                                                                                                                                                                                                                      |       |                                                                                                                    |                                                                                                                                                               |   |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b> PreEnterIdleState_r06(Ca:CCHD; actype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                                                                         |       |                                                                                                                    |                                                                                                                                                               |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                         |       |                                                                                                                    |                                                                                                                                                               |   |          |
| <b>Objective:</b> To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 containing RR testing default parameters in cell A with the following exceptions :<br>- cell allocation is controlled by formal parameter `Ca`;<br>The test system is then waiting for the SUT (MS) entering the Idle updated state. |       |                                                                                                                    |                                                                                                                                                               |   |          |
| <b>Default:</b> OtherEvents                                                                                                                                                                                                                                                                                      |       |                                                                                                                    |                                                                                                                                                               |   |          |
| <b>Comments:</b> The preamble is used for the RR tests.                                                                                                                                                                                                                                                          |       |                                                                                                                    |                                                                                                                                                               |   |          |
| Nr                                                                                                                                                                                                                                                                                                               | Label | Behaviour Description                                                                                              | CRef                                                                                                                                                          | V | Comments |
| 1                                                                                                                                                                                                                                                                                                                |       | (TCV_Tx := '0010'B, TCV_Max := '00'B, TCV_Neci := '0'B, TCV_Ccd0A := CntrlChDscrp(att, babr, cch_con, bpm, t3212)) |                                                                                                                                                               |   |          |
| 2                                                                                                                                                                                                                                                                                                                |       | +NonCombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, actype, slot, tsc, ta, babr, cch_con, bpm)                      |                                                                                                                                                               |   |          |
| 3                                                                                                                                                                                                                                                                                                                |       | LIDL_UdatRqSchinfo                                                                                                 | Synclnfo(C_SCH_A)                                                                                                                                             |   | 1.       |
| 4                                                                                                                                                                                                                                                                                                                |       | (TCV_sysinfo6 := SysInf6(C_ci_cellA, C_PLMN_1, C_lacellA, CellOpt_01))                                             |                                                                                                                                                               |   |          |
| 5                                                                                                                                                                                                                                                                                                                |       | +gsmOrDcs                                                                                                          |                                                                                                                                                               |   |          |
| 6                                                                                                                                                                                                                                                                                                                |       | +WaitForInService                                                                                                  |                                                                                                                                                               |   |          |
| <b>gsmOrDcs</b>                                                                                                                                                                                                                                                                                                  |       |                                                                                                                    |                                                                                                                                                               |   |          |
| 7                                                                                                                                                                                                                                                                                                                |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                           |                                                                                                                                                               |   | 4.       |
| 8                                                                                                                                                                                                                                                                                                                |       | LIDL_UdatRqSysinfo4                                                                                                | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvlG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 9                                                                                                                                                                                                                                                                                                                |       | LIDL_UdatRqSysinfo1                                                                                                | SysInfo1(C_BCCH_A_1, Ca, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                                 |   |          |
| 10                                                                                                                                                                                                                                                                                                               |       | LIDL_UdatRqSysinfo2                                                                                                | SysInfo2(C_BCCH_A_1, BchFreqLst_01, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                      |   |          |
| 11                                                                                                                                                                                                                                                                                                               |       | (TCV_sysinfo5 := SysInf5(BcchFreqLst_01))                                                                          |                                                                                                                                                               |   |          |
| 12                                                                                                                                                                                                                                                                                                               |       | LIDL_UdatRqSysinfo3                                                                                                | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvlG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| 13                                                                                                                                                                                                                                                                                                               |       | [TSPC_DCS]                                                                                                         |                                                                                                                                                               |   | 5.       |
| 14                                                                                                                                                                                                                                                                                                               |       | LIDL_UdatRqSysinfo4                                                                                                | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvlD, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 15                                                                                                                                                                                                                                                                                                               |       | LIDL_UdatRqSysinfo1                                                                                                | SysInfo1(C_BCCH_A_1, Ca, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                                 |   |          |
| 16                                                                                                                                                                                                                                                                                                               |       | LIDL_UdatRqSysinfo2                                                                                                | SysInfo2(C_BCCH_A_1, BchFreqLst_48, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                      |   |          |
| 17                                                                                                                                                                                                                                                                                                               |       | (TCV_sysinfo5 := SysInf5(BcchFreqLst_48))                                                                          |                                                                                                                                                               |   |          |

|                           |  |                     |                                                                                                                                                                |  |
|---------------------------|--|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 18                        |  | L!DL_UdatRqSysinfo3 | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noReestablishment) |  |
| <b>Detailed Comments:</b> |  |                     |                                                                                                                                                                |  |

### Test Step Dynamic Behaviour

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Step Name:</b> | PreEnterIdleState_r07(acttype:BITSTRING; slot:SN; tsc:TSC; tx, retrans:INTEGER; slot2:SN; slot3:SN; slot4:SN; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Group:</b>          | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Objective:</b>      | To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 containing default parameters in cell A with the following exceptions : <ul style="list-style-type: none"> <li>- legal combination of CCCH-CONF, BS-AG-BLKS-RES, BS-PA-MFRMS are specified by parameter `ccd`,</li> <li>- max retransmission and tx-integer can be assigned,</li> <li>- system information messages are transmitted only on time slot 0 and the time slot which is the CCCH_GROUP of the MS.</li> </ul> <p>The test system is then waiting for the SUT (MS) entering the Idle updated state.</p> |
| <b>Default:</b>        | OtherEvents                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Comments:</b>       | The preamble is used for the RR tests.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

| Nr | Label | Behaviour Description                                                                     | CRef | V | Comments |
|----|-------|-------------------------------------------------------------------------------------------|------|---|----------|
| 1  |       | [cch_con = '001'B]                                                                        |      |   |          |
| 2  |       | +CombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, acttype,slot,tsc, ta, babr, cch_con, bpm) |      |   |          |
| 3  |       | +SysInfoSending_r2(tx, retrans, C_BCCH_A_1, att, babr, cch_con, bpm, t3212)               |      |   |          |
| 4  |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                              |      |   |          |
| 5  |       | +WaitForInService                                                                         |      |   |          |
| 6  |       | [cch_con = '000'B]                                                                        |      |   |          |
| 7  |       | +localtree                                                                                |      |   |          |
| 8  |       | [cch_con = '010'B]                                                                        |      |   |          |
| 9  |       | +NonCombinedBCCH_A_2(acttype,slot2,tsc, ta, babr, cch_con, bpm)                           |      |   |          |
| 10 |       | [TCV_Ccchg = 1]                                                                           |      |   |          |
| 11 |       | +SysInfoSending_r2(tx, retrans, C_BCCH_A_2, att, babr, cch_con, bpm, t3212)               |      |   |          |
| 12 |       | +localtree                                                                                |      |   |          |
| 13 |       | [TCV_Ccchg <> 1]                                                                          |      |   |          |
| 14 |       | +localtree                                                                                |      |   |          |
| 15 |       | [cch_con = '100'B]                                                                        |      |   |          |
| 16 |       | +NonCombinedBCCH_A_2(acttype,slot2,tsc, ta, babr, cch_con, bpm)                           |      |   |          |
| 17 |       | +NonCombinedBCCH_A_3(acttype,slot3,tsc, ta, babr, cch_con, bpm)                           |      |   |          |
| 18 |       | [TCV_Ccchg = 1]                                                                           |      |   |          |
| 19 |       | +SysInfoSending_r2(tx, retrans, C_BCCH_A_2, att, babr, cch_con, bpm, t3212)               |      |   |          |
| 20 |       | +localtree                                                                                |      |   |          |
| 21 |       | [TCV_Ccchg = 2]                                                                           |      |   |          |
| 22 |       | +SysInfoSending_r2(tx, retrans, C_BCCH_A_3, att, babr, cch_con, bpm, t3212)               |      |   |          |
| 23 |       | +localtree                                                                                |      |   |          |
| 24 |       | +localtree                                                                                |      |   |          |
| 25 |       | [cch_con = '110'B]                                                                        |      |   |          |
| 26 |       | +NonCombinedBCCH_A_2(acttype,slot2,tsc, ta, babr, cch_con, bpm)                           |      |   |          |
| 27 |       | +NonCombinedBCCH_A_3(acttype,slot3,tsc, ta, babr, cch_con, bpm)                           |      |   |          |
| 28 |       | +NonCombinedBCCH_A_4(acttype,slot4,tsc, ta, babr, cch_con, bpm)                           |      |   |          |
| 29 |       | [TCV_Ccchg = 1]                                                                           |      |   |          |
| 30 |       | +SysInfoSending_r2(tx, retrans, C_BCCH_A_2, att, babr, cch_con, bpm, t3212)               |      |   |          |
| 31 |       | +localtree                                                                                |      |   |          |
| 32 |       | [TCV_Ccchg = 2]                                                                           |      |   |          |
| 33 |       | +SysInfoSending_r2(tx, retrans, C_BCCH_A_3, att, babr, cch_con, bpm, t3212)               |      |   |          |
| 34 |       | +localtree                                                                                |      |   |          |

|    |                                                                                                      |  |  |  |
|----|------------------------------------------------------------------------------------------------------|--|--|--|
| 35 | [TCV_Ccchg = 3]                                                                                      |  |  |  |
| 36 | +SysInfoSending_r2(tx, retrans,<br>C_BCCH_A_4, att, babr, cch_con, bpm,<br>t3212)                    |  |  |  |
| 37 | +localtree                                                                                           |  |  |  |
| 38 | +localtree                                                                                           |  |  |  |
|    | <b>localtree</b>                                                                                     |  |  |  |
| 39 | +NonCombinedBCCH_A(63, FreqBCCHa_rg,<br>FreqBCCHa_rd, acttype, slot, tsc, ta, babr, cch_con,<br>bpm) |  |  |  |
| 40 | +SysInfoSending_r2(tx, retrans, C_BCCH_A_1, att,<br>babr, cch_con, bpm, t3212)                       |  |  |  |
| 41 | +SDCCH8_A_def(acttype, slot, tsc, ta, babr,<br>cch_con, bpm)                                         |  |  |  |
| 42 | +WaitForInService                                                                                    |  |  |  |

Detailed Comments:

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                     |      |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterIdleState_20(acttype:BITSTRING; slot:SN; tsc:TSC; tx, retrans, att:INTEGER; ta:TA; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                                                                                                                               |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                                                          |      |   |          |
| <b>Objective:</b>           |       | To broadcast SYSTEM INFORMATION messages 1, 2, 3, 4, 5 and 6 containing RR testing default parameters in cell A with the following exceptions :<br>- channel configuration can set to combined or not,<br>- max retransmission and tx-integer can be assigned;<br>The test system is then waiting for the SUT (MS) entering the Idle updated state. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                                                                         |      |   |          |
| <b>Comments:</b>            |       | IMSI attach/detach not allowed (ATT=0). The preamble used in HO cases.                                                                                                                                                                                                                                                                              |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                               | CRef | V | Comments |
| 1                           |       | +NonCombinedBCCH_A(63, FreqBCCHa_rg,<br>FreqBCCHa_rd, acttype, slot, tsc, ta, babr, cch_con,<br>bpm)                                                                                                                                                                                                                                                |      |   |          |
| 2                           |       | +SysInfoSending_20(tx, retrans, att, babr, cch_con,<br>bpm, t3212)                                                                                                                                                                                                                                                                                  |      |   |          |
| 3                           |       | +WaitForInService                                                                                                                                                                                                                                                                                                                                   |      |   |          |

Detailed Comments:



| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                             |      |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterIdleState_201(comb_a:BOOLEAN; comb_b:BOOLEAN; acttype:BITSTRING; slot:SN; tsc:TSC; tx, retrans, att:INTEGER; ta:TA; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                                                                                                                                                      |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                                                                                                                  |      |   |          |
| <b>Objective:</b>           |       | To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 containing RR testing default parameters in cell A and B with the following exceptions :<br><ul style="list-style-type: none"> <li>- channel configuration can set to combined or not,</li> <li>- max retransmission and tx-integer can be assigned;</li> </ul> The test system is then waiting for the SUT (MS) entering the Idle updated state. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                                                                                                                                 |      |   |          |
| <b>Comments:</b>            |       | IMSI attach/detach not allowed (ATT=0). The preamble used in HO cases.<br>Cell Allocation for DCS1800 coded using range 256 format.                                                                                                                                                                                                                                                                         |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                       | CRef | V | Comments |
| 1                           |       | +ltree_chconfig_a                                                                                                                                                                                                                                                                                                                                                                                           |      |   |          |
| 2                           |       | +ltree_chconfig_b                                                                                                                                                                                                                                                                                                                                                                                           |      |   |          |
| 3                           |       | +WaitForInService                                                                                                                                                                                                                                                                                                                                                                                           |      |   |          |
|                             |       | <b>ltree_chconfig_a</b>                                                                                                                                                                                                                                                                                                                                                                                     |      |   |          |
| 4                           |       | [comb_a = C_Combined]                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 5                           |       | +CombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                                                                                                 |      |   |          |
| 6                           |       | +SysInfoSending_201(tx, retrans, att, babr, cch_con, bpm, t3212)                                                                                                                                                                                                                                                                                                                                            |      |   |          |
| 7                           |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                                                                                                                                                                                                                                                                |      |   |          |
| 8                           |       | [comb_a = C_NotCombined]                                                                                                                                                                                                                                                                                                                                                                                    |      |   |          |
| 9                           |       | +NonCombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                                                                                              |      |   |          |
| 10                          |       | +SysInfoSending_201(tx, retrans, att, babr, cch_con, bpm, t3212)                                                                                                                                                                                                                                                                                                                                            |      |   |          |
|                             |       | <b>ltree_chconfig_b</b>                                                                                                                                                                                                                                                                                                                                                                                     |      |   |          |
| 11                          |       | [comb_b = C_Combined]                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
| 12                          |       | +CombinedBCCH_B(53, FreqBCCHb_ho, FreqBCCHb_hod, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                                                                                                |      |   |          |
| 13                          |       | +SysInfoSending_211(tx, retrans, att, babr, cch_con, bpm, t3212)                                                                                                                                                                                                                                                                                                                                            |      |   |          |
| 14                          |       | +SysInfo_SacchSending( TCV_sacch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                                                                                                                                                                                                                                                                                         |      |   |          |
| 15                          |       | [comb_b = C_NotCombined]                                                                                                                                                                                                                                                                                                                                                                                    |      |   |          |
| 16                          |       | +NonCombinedBCCH_B(53, FreqBCCHb_ho, FreqBCCHb_hod, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                                                                                             |      |   |          |
| 17                          |       | +SysInfoSending_211(tx, retrans, att, babr, cch_con, bpm, t3212)                                                                                                                                                                                                                                                                                                                                            |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                                                                                                                                                                                             |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterIdleState_202(comb_a:BOOLEAN; comb_b:BOOLEAN; acttype:BITSTRING; slot:SN; tsc:TSC; tx, retrans, att:INTEGER; ta:TA; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                                                                                                                                                |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                                                                                                            |      |   |          |
| <b>Objective:</b>           |       | To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 containing RR testing default parameters in cell A with the following exceptions :<br><ul style="list-style-type: none"> <li>- channel configuration can set to combined or not,</li> <li>- max retransmission and tx-integer can be assigned;</li> </ul> The test system is then waiting for the SUT (MS) entering the Idle updated state. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                                                                                                                           |      |   |          |
| <b>Comments:</b>            |       | IMSI attach/detach not allowed (ATT=0). The preamble used in HO cases.<br>Cell Allocation for DCS1800 coded using range 512 format.                                                                                                                                                                                                                                                                   |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                 | CRef | V | Comments |
| 1                           |       | +ltree_chconfig_a                                                                                                                                                                                                                                                                                                                                                                                     |      |   |          |
| 2                           |       | +ltree_chconfig_b                                                                                                                                                                                                                                                                                                                                                                                     |      |   |          |
| 3                           |       | +WaitForInService                                                                                                                                                                                                                                                                                                                                                                                     |      |   |          |
|                             |       | <b>ltree_chconfig_a</b>                                                                                                                                                                                                                                                                                                                                                                               |      |   |          |
| 4                           |       | [comb_a = C_Combined]                                                                                                                                                                                                                                                                                                                                                                                 |      |   |          |
| 5                           |       | +CombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                                                                                           |      |   |          |
| 6                           |       | +SysInfoSending_202(BcchFreqLst_01, BcchFreqLst_48, tx, retrans, att, babr, cch_con, bpm, t3212)                                                                                                                                                                                                                                                                                                      |      |   |          |
| 7                           |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                                                                                                                                                                                                                                                          |      |   |          |
| 8                           |       | [comb_a = C_NotCombined]                                                                                                                                                                                                                                                                                                                                                                              |      |   |          |
| 9                           |       | +NonCombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                                                                                        |      |   |          |
| 10                          |       | +SysInfoSending_202(BcchFreqLst_01, BcchFreqLst_48, tx, retrans, att, babr, cch_con, bpm, t3212)                                                                                                                                                                                                                                                                                                      |      |   |          |
|                             |       | <b>ltree_chconfig_b</b>                                                                                                                                                                                                                                                                                                                                                                               |      |   |          |
| 11                          |       | [comb_b = C_Combined]                                                                                                                                                                                                                                                                                                                                                                                 |      |   |          |
| 12                          |       | +CombinedBCCH_B(53, FreqBCCHb_ho, FreqBCCHb_hod, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                                                                                          |      |   |          |
| 13                          |       | +SysInfoSending_212(tx, retrans, att, babr, cch_con, bpm, t3212)                                                                                                                                                                                                                                                                                                                                      |      |   |          |
| 14                          |       | +SysInfo_SacchSending( TCV_sacch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                                                                                                                                                                                                                                                                                   |      |   |          |
| 15                          |       | [comb_b = C_NotCombined]                                                                                                                                                                                                                                                                                                                                                                              |      |   |          |
| 16                          |       | +NonCombinedBCCH_B(53, FreqBCCHb_ho, FreqBCCHb_hod, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                                                                                       |      |   |          |
| 17                          |       | +SysInfoSending_212(tx, retrans, att, babr, cch_con, bpm, t3212)                                                                                                                                                                                                                                                                                                                                      |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                                                                                                                                                                                       |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                  |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterIdleState_202e(comb_a:BOOLEAN; comb_b:BOOLEAN; acttype:BITSTRING; slot:SN; tsc:TSC; tx, retrans, att:INTEGER; ta:TA; babr, cch_con1, cch_con2, bpm:B_3; t3212:OCTETSTRING)                                                                                                                                                               |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                                                       |      |   |          |
| <b>Objective:</b>           |       | To broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 containing RR testing default parameters in cell A with the following exceptions :<br>- channel configuration can set to combined or not,<br>- max retransmission and tx-integer can be assigned;<br>The test system is then waiting for the SUT (MS) entering the Idle updated state. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                                                                      |      |   |          |
| <b>Comments:</b>            |       | IMSI attach/detach not allowed (ATT=0). The preamble used in EGSM cases.<br>Cell Allocation for DCS1800 coded using range 512 format.                                                                                                                                                                                                            |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                            | CRef | V | Comments |
| 1                           |       | +ltree_chconfig_a                                                                                                                                                                                                                                                                                                                                |      |   |          |
| 2                           |       | +ltree_chconfig_b                                                                                                                                                                                                                                                                                                                                |      |   |          |
| 3                           |       | +WaitForInService                                                                                                                                                                                                                                                                                                                                |      |   |          |
|                             |       | <b>ltree_chconfig_a</b>                                                                                                                                                                                                                                                                                                                          |      |   |          |
| 4                           |       | [comb_a = C_Combined]                                                                                                                                                                                                                                                                                                                            |      |   |          |
| 5                           |       | +CombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, acttype, slot, tsc, ta, babr, cch_con1, bpm)                                                                                                                                                                                                                                                     |      |   |          |
| 6                           |       | +SysInfoSending_202(BcchFreqLst_01, BcchFreqLst_48, tx, retrans, att, babr, cch_con1, bpm, t3212)                                                                                                                                                                                                                                                |      |   |          |
| 7                           |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                                                                                                                                                                                                     |      |   |          |
| 8                           |       | [comb_a = C_NotCombined]                                                                                                                                                                                                                                                                                                                         |      |   |          |
| 9                           |       | +NonCombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, acttype, slot, tsc, ta, babr, cch_con1, bpm)                                                                                                                                                                                                                                                  |      |   |          |
| 10                          |       | +SysInfoSending_202(BcchFreqLst_01, BcchFreqLst_48, tx, retrans, att, babr, cch_con1, bpm, t3212)                                                                                                                                                                                                                                                |      |   |          |
|                             |       | <b>ltree_chconfig_b</b>                                                                                                                                                                                                                                                                                                                          |      |   |          |
| 11                          |       | [comb_b = C_Combined]                                                                                                                                                                                                                                                                                                                            |      |   |          |
| 12                          |       | +CombinedBCCH_B(53, FreqBCCHb_rg, FreqBCCHb_rd, acttype, slot, tsc, ta, babr, cch_con2, bpm)                                                                                                                                                                                                                                                     |      |   |          |
| 13                          |       | +SysInfoSending_212(tx, retrans, att, babr, cch_con2, bpm, t3212)                                                                                                                                                                                                                                                                                |      |   |          |
| 14                          |       | +SysInfo_SacchSending( TCV_sacch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                                                                                                                                                                                                                              |      |   |          |
| 15                          |       | [comb_b = C_NotCombined]                                                                                                                                                                                                                                                                                                                         |      |   |          |
| 16                          |       | +NonCombinedBCCH_B(53, FreqBCCHb_rg, FreqBCCHb_rd, acttype, slot, tsc, ta, babr, cch_con2, bpm)                                                                                                                                                                                                                                                  |      |   |          |
| 17                          |       | +SysInfoSending_212(tx, retrans, att, babr, cch_con2, bpm, t3212)                                                                                                                                                                                                                                                                                |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                                                                                                                                  |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterIdleState_22(acttype:BITSTRING; slot:SN; tsc:TSC; tx, retrans, att:INTEGER; ta:TA; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                                                          |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                     |      |   |          |
| <b>Objective:</b>           |       | To broadcast SYSTEM INFORMATION messages 1, 2, 3, 4, 5 and 6 for test case TC_26_10_2_2 in cell A with the following exceptions :<br>- max retransmission and tx-integer can be assigned;<br>The test system is then waiting for the SUT (MS) entering the Idle updated state. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                    |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                          | CRef | V | Comments |
| 1                           |       | +NonCombinedBCCH_A(63, FreqBCCHa_E, FreqBCCHa_E, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                   |      |   |          |
| 2                           |       | +SysInfoSending_22(tx, retrans, att, babr, cch_con, bpm, t3212)                                                                                                                                                                                                                |      |   |          |
| 3                           |       | +WaitForInService                                                                                                                                                                                                                                                              |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                                                                |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                       |      |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterIdleState_23(acttype:BITSTRING; slot:SN; tsc:TSC; tx, retrans, att:INTEGER; ta:TA; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                                                                                                                                 |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                                                            |      |   |          |
| <b>Objective:</b>           |       | To broadcast SYSTEM INFORMATION messages 1, 2, 3, 4, 5 and 6 containing EGSM testing default parameters in cell A with the following exceptions :<br>- channel configuration can set to combined or not,<br>- max retransmission and tx-integer can be assigned;<br>The test system is then waiting for the SUT (MS) entering the Idle updated state. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                                                                           |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                 | CRef | V | Comments |
| 1                           |       | +CombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                                           |      |   |          |
| 2                           |       | +SysInfoSending_23(tx, retrans, att, babr, cch_con, bpm, t3212)                                                                                                                                                                                                                                                                                       |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                                                                                                                                                                                                          |      |   |          |
| 4                           |       | +SysInfo_5bisSending(TCV_sacch, TCV_sysinfo5bis)                                                                                                                                                                                                                                                                                                      |      |   |          |
| 5                           |       | +WaitForInService                                                                                                                                                                                                                                                                                                                                     |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                                                                                                                                       |      |   |          |

| Test Step Dynamic Behaviour                            |       |                                                                                                  |                               |   |                             |
|--------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------|-------------------------------|---|-----------------------------|
| <b>Test Step Name:</b>                                 |       | PreEnterCCstateU01_21(ta:TA)                                                                     |                               |   |                             |
| <b>Group:</b>                                          |       | GSM_L3_MS_v4160/Preambles/                                                                       |                               |   |                             |
| <b>Objective:</b>                                      |       | To bring the MS into CC state U0.1 by procedure in table 26.8.1.2/1. This is used in CC testing. |                               |   |                             |
| <b>Default:</b>                                        |       | OtherEvents                                                                                      |                               |   |                             |
| Nr                                                     | Label | Behaviour Description                                                                            | CRef                          | V | Comments                    |
| 1                                                      |       | +CCEstablishMO_SDCCH4(ta)                                                                        |                               |   | 1.                          |
| 2                                                      |       | ACTIVATE(OtherEvents_02)                                                                         |                               |   | To match ChReq retrans.     |
| 3                                                      |       | L?DL_EstInCmsRq                                                                                  | CMSErReq(CMServic<br>eReq_04) |   |                             |
| 4                                                      |       | ACTIVATE(OtherEvents)                                                                            |                               |   | Restore Normal default tree |
| <b>Detailed Comments:</b> 1. To assign SDCCH4 channel. |       |                                                                                                  |                               |   |                             |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                  |      |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU1_21(ta:TA)                                                                                                                                                                                                                                                                                      |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                       |      |   |          |
| <b>Objective:</b>           |       | To bring the MS into CC state U1 by procedure in table 26.8.1.2/1. This is used in CC testing.                                                                                                                                                                                                                   |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                                      |      |   |          |
| <b>Comments:</b>            |       | TCV_TI0 contains the transaction identifier from the MS, and TCV_TI contains the transaction identifier for test system to send CC message. The values of them are used in test body. The calling tree shall prepare two variables for the step: TCV_ch for the SDCCH4 subchannel; TCV_CphKey for ciphering key. |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                            | CRef | V | Comments |
| 1                           |       | +PreEnterCCstateU01_21(ta)                                                                                                                                                                                                                                                                                       |      |   |          |
| 2                           |       | +CCStartCipher(TCV_ch)                                                                                                                                                                                                                                                                                           |      |   |          |
| 3                           |       | +SetupRcvMo(SetupInd_01)                                                                                                                                                                                                                                                                                         |      |   |          |
| 4                           |       | +CCstatuschk_02(TCV_ch, C_U1, TCV_TI, TCV_TI0)                                                                                                                                                                                                                                                                   |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                                                                                                  |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                       |                             |   |                         |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---|-------------------------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU1_22(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                              |                             |   |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                            |                             |   |                         |
| <b>Objective:</b>           |       | To bring the MS into CC state U1 by procedure in table 26.8.1.2/2. This is used in CC testing.                                                                                        |                             |   |                         |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                           |                             |   |                         |
| <b>Comments:</b>            |       | TCV_TI0 contains the transaction identifier from the MS, and TCV_TI contains the transaction identifier for test system to send CC message. The values of them are used in test body. |                             |   |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                 | CRef                        | V | Comments                |
| 1                           |       | +CCEstablishMO_TCH(acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                        |                             |   | 1.                      |
| 2                           |       | ACTIVATE(OtherEvents_02)                                                                                                                                                              |                             |   | To match ChReq retrans. |
| 3                           |       | L?DL_EstInCmsRq (TCV_Fn :=DL_EstInCmsRq.fn)                                                                                                                                           | CMSSerReq(CMSServiceReq_04) |   |                         |
| 4                           |       | ACTIVATE(OtherEvents)                                                                                                                                                                 |                             |   | Restore Normal default  |
| 5                           |       | +CCModifyTCH(slot, tsc)                                                                                                                                                               |                             |   |                         |
| 6                           |       | +CCStartCipher(TCV_chTch)                                                                                                                                                             |                             |   |                         |
| 7                           |       | L?DL_DatInSetup (TCV_TI := DL_DatInSetup.msg.ti, TCV_Setup_mo := DL_DatInSetup.msg, TCV_TI0 := TCV_TI, TCV_TI.ti_f := '1'B)                                                           | SetupRcv(SetupInd_01)       |   |                         |
| 8                           |       | +CCstatuschk_02(TCV_chTch, C_U1, TCV_TI, TCV_TI0)                                                                                                                                     |                             |   | 2.                      |
| <b>Detailed Comments:</b>   |       | 1. To assign TCH/F channel or TCH/H channel.<br>2. Check that CC is now state U1                                                                                                      |                             |   |                         |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                       |                       |   |                         |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---|-------------------------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU1_22Timer(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                         |                       |   |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                            |                       |   |                         |
| <b>Objective:</b>           |       | To bring the MS into CC state U1 by procedure in table 26.8.1.2/2. This is used in CC testing.                                                                                        |                       |   |                         |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                           |                       |   |                         |
| <b>Comments:</b>            |       | TCV_TI0 contains the transaction identifier from the MS, and TCV_TI contains the transaction identifier for test system to send CC message. The values of them are used in test body. |                       |   |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                 | CRef                  | V | Comments                |
| 1                           |       | +CCEstablishMO_TCH(acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                        |                       |   | 1.                      |
| 2                           |       | ACTIVATE(OtherEvents_02)                                                                                                                                                              |                       |   | To match ChReq retrans. |
| 3                           |       | L?DL_EstInCmsRq (TCV_Fn :=DL_EstInCmsRq.fn) START T_dly(45000)                                                                                                                        | CMSerReq(CMSerReq_04) |   |                         |
| 4                           |       | ACTIVATE(OtherEvents)                                                                                                                                                                 |                       |   | Restore Normal default  |
| 5                           |       | +CCModifyTCH(slot, tsc)                                                                                                                                                               |                       |   |                         |
| 6                           |       | +CCStartCipher(TCV_chTch)                                                                                                                                                             |                       |   |                         |
| 7                           |       | L?DL_DatInSetup (TCV_TI :=DL_DatInSetup.msg.ti, TCV_Setup_mo := DL_DatInSetup.msg, TCV_TI0 := TCV_TI, TCV_TI.ti_f := '1'B)                                                            | SetupRcv(SetupInd_01) |   |                         |
| 8                           |       | +CCstatuschk_02(TCV_chTch, C_U1, TCV_TI, TCV_TI0)                                                                                                                                     |                       |   | 2.                      |
| <b>Detailed Comments:</b>   |       | 1. To assign TCH/F channel or TCH/H channel.<br>2. Check that CC is now state U1                                                                                                      |                       |   |                         |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                       |                                         |   |                         |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---|-------------------------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU1_24(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                              |                                         |   |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                            |                                         |   |                         |
| <b>Objective:</b>           |       | To bring the MS into CC state U1 by procedure in table 26.8.1.2/4. This is used in CC testing.                                                                                        |                                         |   |                         |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                           |                                         |   |                         |
| <b>Comments:</b>            |       | TCV_TI contains the transaction identifier from the MS, and TCV_TI0 contains the transaction identifier for test system to send CC message. The values of them are used in test body. |                                         |   |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                 | CRef                                    | V | Comments                |
| 1                           |       | +CCEstablishMO_TCH(acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                        |                                         |   | 1.                      |
| 2                           |       | ACTIVATE(OtherEvents_02)                                                                                                                                                              |                                         |   | To match ChReq retrans. |
| 3                           |       | L?DL_EstInCmsRq                                                                                                                                                                       | CMSerReq(CMSerReq_04)                   |   |                         |
| 4                           |       | ACTIVATE(OtherEvents)                                                                                                                                                                 |                                         |   | Restore Normal default  |
| 5                           |       | L!DL_DatRqIdRq                                                                                                                                                                        | IDReq(TCV_chTch, IDRequest_01('0001'B)) |   | IMSI.                   |
| 6                           |       | L?DL_DatInIdRes                                                                                                                                                                       | IDRes(IDResponse_30(Milmsi_01))         |   |                         |
| 7                           |       | +CCStartCipher(TCV_chTch)                                                                                                                                                             |                                         |   |                         |
| 8                           |       | +SetupRcvMo(SetupInd_01)                                                                                                                                                              |                                         |   |                         |
| 9                           |       | +CCstatuschk_02(TCV_chTch, C_U1, TCV_TI, TCV_TI0)                                                                                                                                     |                                         |   |                         |
| <b>Detailed Comments:</b>   |       | 1. To assign TCH/F channel or TCH/H channel.                                                                                                                                          |                                         |   |                         |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                |                                                                         |   |                         |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|---|-------------------------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU1(ta:TA)                                                                                                                                                                                                       |                                                                         |   |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                     |                                                                         |   |                         |
| <b>Objective:</b>           |       | To establish a mobile originating call and put the MS under test in the CC state U1.                                                                                                                                           |                                                                         |   |                         |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                    |                                                                         |   |                         |
| <b>Comments:</b>            |       | test case variable TCV_TI0 holds the transaction ID used by the MS, and TCV_TI used by test system. The calling tree shall prepare two variables for the step: TCV_ch for the SDCCH4 subchannel; TCV_CphKey for ciphering key. |                                                                         |   |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                          | CRef                                                                    | V | Comments                |
| 1                           |       | +AttmpCall                                                                                                                                                                                                                     |                                                                         |   | 1.                      |
| 2                           |       | +BasicServiceMO(TSPX_MO_BscSvc_AnyCall,<br>TSPX_MO_rate_AnyCall)                                                                                                                                                               |                                                                         |   |                         |
| 3                           |       | L?DL_RacInChRq (TCV_Rr := DL_RacInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                                                                                            | ChReq_04                                                                |   |                         |
| 4                           |       | ACTIVATE(OtherEvents_02)                                                                                                                                                                                                       |                                                                         |   | To match ChReq retrans. |
| 5                           |       | L!DL_UdatRqImmss                                                                                                                                                                                                               | ImmAss_01Def(TCV_<br>agch, TCV_Rr,<br>TCV_Fn, TCV_slot,<br>TCV_tsc, ta) |   |                         |
| 6                           |       | L?DL_EstInCmsRq                                                                                                                                                                                                                | CmserReq_01                                                             |   |                         |
| 7                           |       | ACTIVATE(OtherEvents)                                                                                                                                                                                                          |                                                                         |   | Restore Normal default  |
| 8                           |       | L!DL_DatRqAuthRq                                                                                                                                                                                                               | AuthReq_01(TCV_ch)                                                      |   |                         |
| 9                           |       | L?DL_DatInAuthRes                                                                                                                                                                                                              | AuthRes_01                                                              |   |                         |
| 10                          |       | (TCV_Null :=<br>OM_CphMdChg(TCV_ch,<br>CphMod_01, TCV_CphKey))                                                                                                                                                                 |                                                                         |   |                         |
| 11                          |       | L!DL_DatRqCphmCmd                                                                                                                                                                                                              | CphCmd_01(TCV_ch)                                                       |   |                         |
| 12                          |       | L?DL_DatInCphmCom                                                                                                                                                                                                              | CphCmp_01                                                               |   |                         |
| 13                          |       | L?DL_DatInSetup (TCV_TI0<br>:= DL_DatInSetup.msg.ti,<br>TCV_TI := TCV_TI0,<br>TCV_TI.ti_f := '1'B)                                                                                                                             | SetupIn_01                                                              |   | 2.                      |
| 14                          |       | +CCstatuschk_02(TCV_ch,<br>C_U1, TCV_TI, TCV_TI0)                                                                                                                                                                              |                                                                         |   |                         |
| <b>Detailed Comments:</b>   |       | 1. To attempt a outgoing call at the MS.<br>2. In the state U1 now.                                                                                                                                                            |                                                                         |   |                         |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                              |                                                                         |   |                         |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|---|-------------------------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU3(ta:TA)                                                                                                                                                                                                                                                     |                                                                         |   |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                   |                                                                         |   |                         |
| <b>Objective:</b>           |       | To establish a mobile originating call and put the MS under test in the CC state U3.                                                                                                                                                                                         |                                                                         |   |                         |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                  |                                                                         |   |                         |
| <b>Comments:</b>            |       | test case variable TCV_TI0 holds the transaction ID used by the MS, and TCV_TI is used by test system. The calling tree shall prepare two variables for the step: TCV_ch for the SDCCH4 subchannel; TCV_CphKey for ciphering key. The call setup is generic setup procedure. |                                                                         |   |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                        | CRef                                                                    | V | Comments                |
| 1                           |       | +AttmpCall                                                                                                                                                                                                                                                                   |                                                                         |   | 1.                      |
| 2                           |       | +BasicServiceMO(TSPX_MO_BscSvc_AnyCall,<br>TSPX_MO_rate_AnyCall)                                                                                                                                                                                                             |                                                                         |   |                         |
| 3                           |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.<br>msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn)                                                                                                                                                                                             | ChReq_04                                                                |   |                         |
| 4                           |       | ACTIVATE(OtherEvents_02)                                                                                                                                                                                                                                                     |                                                                         |   | To match ChReq retrans. |
| 5                           |       | L!DL_UdatRqImmss                                                                                                                                                                                                                                                             | ImmAss_01Def(TCV_<br>agch, TCV_Rr,<br>TCV_Fn, TCV_slot,<br>TCV_tsc, ta) |   |                         |
| 6                           |       | L?DL_EstInCmsRq                                                                                                                                                                                                                                                              | CmserReq_01                                                             |   |                         |
| 7                           |       | ACTIVATE(OtherEvents)                                                                                                                                                                                                                                                        |                                                                         |   | Restore Normal default  |
| 8                           |       | L!DL_DatRqAuthRq                                                                                                                                                                                                                                                             | AuthReq_01(TCV_ch)                                                      |   |                         |
| 9                           |       | L?DL_DatInAuthRes                                                                                                                                                                                                                                                            | AuthRes_01                                                              |   |                         |
| 10                          |       | (TCV_Null :=<br>OM_CphMdChg(TCV_ch,<br>CphMod_01, TCV_CphKey))                                                                                                                                                                                                               |                                                                         |   |                         |
| 11                          |       | L!DL_DatRqCphmCmd                                                                                                                                                                                                                                                            | CphCmd_01(TCV_ch)                                                       |   |                         |
| 12                          |       | L?DL_DatInCphmCom                                                                                                                                                                                                                                                            | CphCmp_01                                                               |   |                         |
| 13                          |       | +SetupRcvMo(SetupInd_01)                                                                                                                                                                                                                                                     |                                                                         |   |                         |
| 14                          |       | L!DL_DatRqCallProc                                                                                                                                                                                                                                                           | CallProc(TCV_ch,<br>TCV_CallProc)                                       |   |                         |
| 15                          |       | +CCstatuschk_02(TCV_c<br>h, C_U3, TCV_TI,<br>TCV_TI0)                                                                                                                                                                                                                        |                                                                         |   |                         |
| <b>Detailed Comments:</b>   |       | 1. To initiate a mobile originating call at the MS.<br>2. Now in the state U3.                                                                                                                                                                                               |                                                                         |   |                         |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                 |                                   |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU3_21(ta:TA)                                                                                                                                                                                                                                                                                     |                                   |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                      |                                   |   |          |
| <b>Objective:</b>           |       | To bring the MS into CC state U3 by procedure in table 26.8.1.2/1. This is used in CC testing.                                                                                                                                                                                                                  |                                   |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                                     |                                   |   |          |
| <b>Comments:</b>            |       | TCV_TI0 contains the transaction identifier from the MS, and TCV_TI contains the transaction identifier for test system to send CC message. The values of them are used in test body. The calling tree shall prepare two variables for the step: TCV_ch for the SDCCH4 subchannel; TCV_CphKey for ciphering key |                                   |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                           | CRef                              | V | Comments |
| 1                           |       | +PreEnterCCstateU1_21(ta)                                                                                                                                                                                                                                                                                       |                                   |   |          |
| 2                           |       | L!DL_DatRqCallProc                                                                                                                                                                                                                                                                                              | CallProc(TCV_ch,<br>TCV_CallProc) |   |          |
| 3                           |       | +CCstatuschk_02(TCV_ch, C_U3, TCV_TI,<br>TCV_TI0)                                                                                                                                                                                                                                                               |                                   |   |          |
| <b>Detailed Comments:</b>   |       | 1. To assign SDCCH4 channel.                                                                                                                                                                                                                                                                                    |                                   |   |          |



| Test Step Dynamic Behaviour                                                                                                                                                                            |       |                                                                                          |                                   |   |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------|-----------------------------------|---|----------|
| <b>Test Step Name:</b> PreEnterCCstateU3_22(actype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                         |       |                                                                                          |                                   |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Preambles/                                                                                                                                                               |       |                                                                                          |                                   |   |          |
| <b>Objective:</b> To bring the MS into CC state U3 by procedure in table 26.8.1.2/2. This is used in CC testing.                                                                                       |       |                                                                                          |                                   |   |          |
| <b>Default:</b> OtherEvents                                                                                                                                                                            |       |                                                                                          |                                   |   |          |
| <b>Comments:</b> TCV_TI0 contains the transaction identifier from the MS, and TCV_TI contains the transaction identifier for test system to send CC message. The values of them are used in test body. |       |                                                                                          |                                   |   |          |
| Nr                                                                                                                                                                                                     | Label | Behaviour Description                                                                    | CRef                              | V | Comments |
| 1                                                                                                                                                                                                      |       | +PreEnterCCstateU1_22(actype, slot, tsc, ta, babr, cch_con, bpm)                         |                                   |   |          |
| 2                                                                                                                                                                                                      |       | (TCV_CallProc := OC_CallProcGen(TCV_Setup_mo, CallProced_03), TCV_CallProc.ti := TCV_TI) |                                   |   |          |
| 3                                                                                                                                                                                                      |       | LIDL_DatRqCallProc                                                                       | CallProc(TCV_chTch, TCV_CallProc) |   |          |
| 4                                                                                                                                                                                                      |       | +CCstatuschk_02(TCV_chTch, C_U3, TCV_TI, TCV_TI0)                                        |                                   |   |          |
| <b>Detailed Comments:</b>                                                                                                                                                                              |       |                                                                                          |                                   |   |          |

| Test Step Dynamic Behaviour                                                                                                                                                                                                                                                                                                 |       |                                                |                                |   |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------|--------------------------------|---|-----------------------------|
| <b>Test Step Name:</b> PreEnterCCstateU3_23(ta:TA)                                                                                                                                                                                                                                                                          |       |                                                |                                |   |                             |
| <b>Group:</b> GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                    |       |                                                |                                |   |                             |
| <b>Objective:</b> To bring the MS into CC state U3 by procedure in table 26.8.1.2/3. This is used in CC testing.                                                                                                                                                                                                            |       |                                                |                                |   |                             |
| <b>Default:</b> OtherEvents                                                                                                                                                                                                                                                                                                 |       |                                                |                                |   |                             |
| <b>Comments:</b> TCV_TI0 contains the transaction identifier from the MS, and TCV_TI contains the transaction identifier for test system to send CC message. Their values are used in test body. The calling tree shall prepare two variables for the step: TCV_ch for the SDCCH4 subchannel; TCV_CphKey for ciphering key. |       |                                                |                                |   |                             |
| Nr                                                                                                                                                                                                                                                                                                                          | Label | Behaviour Description                          | CRef                           | V | Comments                    |
| 1                                                                                                                                                                                                                                                                                                                           |       | +CCEstablishMO_SDCCH4(ta)                      |                                |   |                             |
| 2                                                                                                                                                                                                                                                                                                                           |       | ACTIVATE(OtherEvents_02)                       |                                |   | To match ChReq retrans.     |
| 3                                                                                                                                                                                                                                                                                                                           |       | L?DL_EstInCmsRq                                | CMSerReq(CMServic eReq_04)     |   |                             |
| 4                                                                                                                                                                                                                                                                                                                           |       | ACTIVATE(OtherEvents)                          |                                |   | Restore Normal default tree |
| 5                                                                                                                                                                                                                                                                                                                           |       | +CCStartCipher(TCV_ch)                         |                                |   |                             |
| 6                                                                                                                                                                                                                                                                                                                           |       | +SetupRcvMo(SetupInd_01)                       |                                |   |                             |
| 7                                                                                                                                                                                                                                                                                                                           |       | +CCAAuthenticate(TCV_ch)                       |                                |   |                             |
| 8                                                                                                                                                                                                                                                                                                                           |       | LIDL_DatRqCallProc                             | CallProc(TCV_ch, TCV_CallProc) |   |                             |
| 9                                                                                                                                                                                                                                                                                                                           |       | +CCstatuschk_02(TCV_ch, C_U3, TCV_TI, TCV_TI0) |                                |   |                             |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                   |       |                                                |                                |   |                             |

| Test Step Dynamic Behaviour                                                                                                                                                                            |       |                                                                  |                                   |   |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------|-----------------------------------|---|----------|
| <b>Test Step Name:</b> PreEnterCCstateU3_24(actype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                         |       |                                                                  |                                   |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Preambles/                                                                                                                                                               |       |                                                                  |                                   |   |          |
| <b>Objective:</b> To bring the MS into CC state U3 by procedure in table 26.8.1.2/4. This is used in CC testing.                                                                                       |       |                                                                  |                                   |   |          |
| <b>Default:</b> OtherEvents                                                                                                                                                                            |       |                                                                  |                                   |   |          |
| <b>Comments:</b> TCV_TI0 contains the transaction identifier from the MS, and TCV_TI contains the transaction identifier for test system to send CC message. The values of them are used in test body. |       |                                                                  |                                   |   |          |
| Nr                                                                                                                                                                                                     | Label | Behaviour Description                                            | CRef                              | V | Comments |
| 1                                                                                                                                                                                                      |       | +PreEnterCCstateU1_24(actype, slot, tsc, ta, babr, cch_con, bpm) |                                   |   |          |
| 2                                                                                                                                                                                                      |       | +CCModifyTCH(slot, tsc)                                          |                                   |   |          |
| 3                                                                                                                                                                                                      |       | LIDL_DatRqCallProc                                               | CallProc(TCV_chTch, TCV_CallProc) |   |          |
| 4                                                                                                                                                                                                      |       | +CCstatuschk_02(TCV_chTch, C_U3, TCV_TI, TCV_TI0)                |                                   |   |          |
| <b>Detailed Comments:</b>                                                                                                                                                                              |       |                                                                  |                                   |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                       |                                          |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU4_21(ta:TA)                                                                                                                                                           |                                          |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                            |                                          |   |          |
| <b>Objective:</b>           |       | To bring the MS into CC state U4 by procedure in table 26.8.1.2/1. This is used in CC testing.                                                                                        |                                          |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                           |                                          |   |          |
| <b>Comments:</b>            |       | TCV_TI contains the transaction identifier from the MS, and TCV_TI0 contains the transaction identifier for test system to send CC message. The values of them are used in test body. |                                          |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                 | CRef                                     | V | Comments |
| 1                           |       | +PreEnterCCstateU3_21(ta)                                                                                                                                                             |                                          |   |          |
| 2                           |       | LIDL_DatRqAlert                                                                                                                                                                       | AlertSnd(TCV_ch,<br>Alerting_01(TCV_TI)) |   |          |
| 3                           |       | +CCstatuschk_02(TCV_ch, C_U4, TCV_TI,<br>TCV_TI0)                                                                                                                                     |                                          |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                       |                                          |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                       |                                             |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU4_22(actype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                               |                                             |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                            |                                             |   |          |
| <b>Objective:</b>           |       | To bring the MS into CC state U4 by procedure in table 26.8.1.2/2. This is used in CC testing.                                                                                        |                                             |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                           |                                             |   |          |
| <b>Comments:</b>            |       | TCV_TI0 contains the transaction identifier from the MS, and TCV_TI contains the transaction identifier for test system to send CC message. The values of them are used in test body. |                                             |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                 | CRef                                        | V | Comments |
| 1                           |       | +PreEnterCCstateU3_22(actype, slot, tsc, ta, babr,<br>cch_con, bpm)                                                                                                                   |                                             |   |          |
| 2                           |       | LIDL_DatRqAlert                                                                                                                                                                       | AlertSnd(TCV_chTch,<br>Alerting_01(TCV_TI)) |   |          |
| 3                           |       | +CCstatuschk_02(TCV_chTch, C_U4, TCV_TI,<br>TCV_TI0)                                                                                                                                  |                                             |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                       |                                             |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                  |                                             |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU4_23(actype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                                                                                                                                                          |                                             |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                       |                                             |   |          |
| <b>Objective:</b>           |       | To bring the MS into CC state U4 by procedure in table 26.8.1.2/3. This is used in CC testing.                                                                                                                                                                                                                   |                                             |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                                      |                                             |   |          |
| <b>Comments:</b>            |       | TCV_TI0 contains the transaction identifier from the MS, and TCV_TI contains the transaction identifier for test system to send CC message. The values of them are used in test body. The calling tree shall prepare two variables for the step: TCV_ch for the SDCCH4 subchannel; TCV_CphKey for ciphering key. |                                             |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                            | CRef                                        | V | Comments |
| 1                           |       | +PreEnterCCstateU3_23(ta)                                                                                                                                                                                                                                                                                        |                                             |   |          |
| 2                           |       | +CCAssignTCH(actype, slot, tsc, ta, babr,<br>cch_con, bpm)                                                                                                                                                                                                                                                       |                                             |   |          |
| 3                           |       | LIDL_DatRqAlert                                                                                                                                                                                                                                                                                                  | AlertSnd(TCV_chTch,<br>Alerting_01(TCV_TI)) |   |          |
| 4                           |       | +CCstatuschk_02(TCV_chTch, C_U4, TCV_TI,<br>TCV_TI0)                                                                                                                                                                                                                                                             |                                             |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                                                                                                  |                                             |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                       |                                          |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU4_24(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                              |                                          |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                            |                                          |   |          |
| <b>Objective:</b>           |       | To bring the MS into CC state U4 by procedure in table 26.8.1.2/4. This is used in CC testing.                                                                                        |                                          |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                           |                                          |   |          |
| <b>Comments:</b>            |       | TCV_TI0 contains the transaction identifier from the MS, and TCV_TI contains the transaction identifier for test system to send CC message. The values of them are used in test body. |                                          |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                 | CRef                                     | V | Comments |
| 1                           |       | +PreEnterCCstateU3_24(acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                     |                                          |   |          |
| 2                           |       | L!DL_DatRqAlert                                                                                                                                                                       | AlertSnd(TCV_chTch, Alerting_01(TCV_TI)) |   |          |
| 3                           |       | +CCstatuschk_02(TCV_chTch, C_U4, TCV_TI, TCV_TI0)                                                                                                                                     |                                          |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                       |                                          |   |          |

| Test Step Dynamic Behaviour                            |       |                                                                                                |                                |   |          |
|--------------------------------------------------------|-------|------------------------------------------------------------------------------------------------|--------------------------------|---|----------|
| <b>Test Step Name:</b>                                 |       | PreEnterCCstateU6_32(ta:TA)                                                                    |                                |   |          |
| <b>Group:</b>                                          |       | GSM_L3_MS_v4160/Preambles/                                                                     |                                |   |          |
| <b>Objective:</b>                                      |       | To bring the MS into CC state U6 by procedure in table 26.8.1.3/2. This is used in CC testing. |                                |   |          |
| <b>Default:</b>                                        |       | OtherEvents                                                                                    |                                |   |          |
| <b>Comments:</b>                                       |       | State U6 is a transient state.                                                                 |                                |   |          |
| Nr                                                     | Label | Behaviour Description                                                                          | CRef                           | V | Comments |
| 1                                                      |       | (TCV_Setup_mt.sig :=Signal_01)                                                                 |                                |   |          |
| 2                                                      |       | +CCEstablishMT_SDCCH4(ta)                                                                      |                                |   | 1.       |
| 3                                                      |       | +CCStartCipher(TCV_ch)                                                                         |                                |   |          |
| 4                                                      |       | L!DL_DatRqSetup                                                                                | SetupSnd(TCV_ch, TCV_Setup_mt) |   |          |
| <b>Detailed Comments:</b> 1. To assign SDCCH4 channel. |       |                                                                                                |                                |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                       |                                 |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU7_31(ta:TA)                                                                                                                                                                                                                                           |                                 |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                            |                                 |   |          |
| <b>Objective:</b>           |       | To bring the MS into CC state U7 by procedure in table 26.8.1.3/1. This is used in CC testing.                                                                                                                                                                        |                                 |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                           |                                 |   |          |
| <b>Comments:</b>            |       | used only for the MS not support immediate connection. State U7 is transient state if the MS supports automatic connect after a specific time. The calling tree shall prepare two variables for the step: TCV_ch for SDCCH4 subchannel, TCV_CphKey for ciphering key. |                                 |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                 | CRef                            | V | Comments |
| 1                           |       | +PreEnterCCstateU9_31(ta)                                                                                                                                                                                                                                             |                                 |   |          |
| 2                           |       | L?DL_DatInAlert                                                                                                                                                                                                                                                       | AlertRcv(AlertingInd_02(TI_01)) |   |          |
| 3                           |       | +CCstatuschk_02(TCV_ch, C_U7, TI_02, TI_01)                                                                                                                                                                                                                           |                                 |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                                                       |                                 |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                      |                                 |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU7_32(ta:TA)                                                                                                                                                                                                                                          |                                 |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                           |                                 |   |          |
| <b>Objective:</b>           |       | To bring the MS into CC state U7 by procedure in table 26.8.1.3/2. This is used in CC testing.                                                                                                                                                                       |                                 |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                          |                                 |   |          |
| <b>Comments:</b>            |       | used only for the MS not support immediate connection. State U7 is transiet state if the MS supports automatic connect after a specific time. The calling tree shall prepare two variables for the step: TCV_ch for SDCCH4 subchannel, TCV_CphKey for ciphering key. |                                 |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                | CRef                            | V | Comments |
| 1                           |       | +PreEnterCCstateU9_32(ta)                                                                                                                                                                                                                                            |                                 |   |          |
| 2                           |       | L?DL_DatInAlert                                                                                                                                                                                                                                                      | AlertRcv(AlertingInd_02(TI_01)) |   |          |
| 3                           |       | +CCstatuschk_02(TCV_ch, C_U7, TI_02, TI_01)                                                                                                                                                                                                                          |                                 |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                                                      |                                 |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                       |                                 |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU7_33(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                                                                                                              |                                 |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                            |                                 |   |          |
| <b>Objective:</b>           |       | To bring the MS into CC state U7 by procedure in table 26.8.1.3/3. This is used in CC testing.                                                                                                                                                                        |                                 |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                           |                                 |   |          |
| <b>Comments:</b>            |       | used only for the MS not support immediate connection. State U7 is transiet state if the MS supports automatic connect after a specific time. The calling tree shall prepare two variables for the step: TCV_chTch for traffic channel, TCV_CphKey for ciphering key. |                                 |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                 | CRef                            | V | Comments |
| 1                           |       | +PreEnterCCstateU9_33(acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                     |                                 |   |          |
| 2                           |       | L?DL_DatInAlert                                                                                                                                                                                                                                                       | AlertRcv(AlertingInd_02(TI_01)) |   |          |
| 3                           |       | +CCstatuschk_02(TCV_chTch, C_U7, TI_02, TI_01)                                                                                                                                                                                                                        |                                 |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                                                       |                                 |   |          |

| Test Step Dynamic Behaviour                                     |       |                                                                                                                        |                                 |   |          |
|-----------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------|---------------------------------|---|----------|
| <b>Test Step Name:</b>                                          |       | PreEnterCCstateU8_31(ta:TA)                                                                                            |                                 |   |          |
| <b>Group:</b>                                                   |       | GSM_L3_MS_v4160/Preambles/                                                                                             |                                 |   |          |
| <b>Objective:</b>                                               |       | To bring the MS into CC state U8 by procedure in table 26.8.1.3/1. This is used in CC testing.                         |                                 |   |          |
| <b>Default:</b>                                                 |       | OtherEvents                                                                                                            |                                 |   |          |
| <b>Comments:</b>                                                |       | The calling tree shall prepare two variables for the step: TCV_ch for SDCCH4 subchannel, TCV_CphKey for ciphering key. |                                 |   |          |
| Nr                                                              | Label | Behaviour Description                                                                                                  | CRef                            | V | Comments |
| 1                                                               |       | +PreEnterCCstateU9_31(ta)                                                                                              |                                 |   |          |
| 2                                                               |       | [TCV_ImmConn = FALSE]                                                                                                  |                                 |   |          |
| 3                                                               |       | L?DL_DatInAlert                                                                                                        | AlertRcv(AlertingInd_02(TI_01)) |   |          |
| 4                                                               |       | (TCV_Null := OO_HookOff())                                                                                             |                                 |   | 1.       |
| 5                                                               |       | L?DL_DatInConn                                                                                                         | ConnRcv(Connect_01)             |   |          |
| 6                                                               |       | +CCstatuschk_02(TCV_ch, C_U8, TI_02, TI_01)                                                                            |                                 |   | 2.       |
| 7                                                               |       | [TCV_ImmConn = TRUE]                                                                                                   |                                 |   |          |
| 8                                                               |       | L?DL_DatInConn                                                                                                         | ConnRcv(Connect_01)             |   |          |
| 9                                                               |       | +CCstatuschk_02(TCV_ch, C_U8, TI_02, TI_01)                                                                            |                                 |   | 2.       |
| <b>Detailed Comments:</b>                                       |       |                                                                                                                        |                                 |   |          |
| 1. To accept the call by operator.                              |       |                                                                                                                        |                                 |   |          |
| 2. To check whether the MS is in the expected initial state U8. |       |                                                                                                                        |                                 |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                      |                                 |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU8_32(actype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                                                                                                                              |                                 |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                           |                                 |   |          |
| <b>Objective:</b>           |       | To bring the MS into CC state U8 by procedure in table 26.8.1.3/2. This is used in CC testing.                                                                                                                                                                                       |                                 |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                          |                                 |   |          |
| <b>Comments:</b>            |       | The calling tree shall prepare three variables for the step: TCV_ch for SDCCH4 subchannel, TCV_chTch for traffic channel, TCV_CphKey for ciphering key, TCV_AssCmd for ASSIGNMENT message.                                                                                           |                                 |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                | CRef                            | V | Comments |
| 1                           |       | +PreEnterCCstateU9_32(ta)                                                                                                                                                                                                                                                            |                                 |   |          |
| 2                           |       | [TCV_ImmConn = TRUE]                                                                                                                                                                                                                                                                 |                                 |   | 1.       |
| 3                           |       | L?DL_DatInConn                                                                                                                                                                                                                                                                       | ConnRcv(Connect_01)             |   |          |
| 4                           |       | +CCstatuschk_02(TCV_ch, C_U8, TI_02, TI_01)                                                                                                                                                                                                                                          |                                 |   | 4.       |
| 5                           |       | [TCV_ImmConn = FALSE]                                                                                                                                                                                                                                                                |                                 |   | 2.       |
| 6                           |       | L?DL_DatInAlert                                                                                                                                                                                                                                                                      | AlertRcv(AlertingInd_02(TI_01)) |   |          |
| 7                           |       | +CCAssignTCH(actype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                                              |                                 |   |          |
| 8                           |       | (TCV_Null := OO_HookOff())                                                                                                                                                                                                                                                           |                                 |   | 3.       |
| 9                           |       | L?DL_DatInConn                                                                                                                                                                                                                                                                       | ConnRcv(Connect_01)             |   |          |
| 10                          |       | +CCstatuschk_02(TCV_chTch, C_U8, TI_02, TI_01)                                                                                                                                                                                                                                       |                                 |   | 4.       |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. Immediate connection is supported by the MS.</li> <li>2. Immediate connection is not supported by the MS.</li> <li>3. To accept the call by operator.</li> <li>4. To verify whether the MS is in the expected initial state U8.</li> </ol> |                                 |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                      |                                 |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU8_33(actype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                                                              |                                 |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                           |                                 |   |          |
| <b>Objective:</b>           |       | To bring the MS into CC state U8 by procedure in table 26.8.1.3/3. This is used in CC testing.                                                                                                                       |                                 |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                          |                                 |   |          |
| <b>Comments:</b>            |       | The calling tree shall prepare three variables for the step: TCV_ch for SDCCH4 subchannel, TCV_chTch for traffic channel, TCV_CphKey for ciphering key.                                                              |                                 |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                | CRef                            | V | Comments |
| 1                           |       | +PreEnterCCstateU9_33(actype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                                     |                                 |   |          |
| 2                           |       | [TCV_ImmConn = FALSE]                                                                                                                                                                                                |                                 |   | 1.       |
| 3                           |       | L?DL_DatInAlert                                                                                                                                                                                                      | AlertRcv(AlertingInd_02(TI_01)) |   |          |
| 4                           |       | (TCV_Null := OO_HookOff())                                                                                                                                                                                           |                                 |   |          |
| 5                           |       | L?DL_DatInConn                                                                                                                                                                                                       | ConnRcv(Connect_01)             |   |          |
| 6                           |       | +CCstatuschk_02(TCV_chTch, C_U8, TI_02, TI_01)                                                                                                                                                                       |                                 |   | 3.       |
| 7                           |       | [TCV_ImmConn = TRUE]                                                                                                                                                                                                 |                                 |   | 2.       |
| 8                           |       | L?DL_DatInConn                                                                                                                                                                                                       | ConnRcv(Connect_01)             |   |          |
| 9                           |       | +CCstatuschk_02(TCV_chTch, C_U8, TI_02, TI_01)                                                                                                                                                                       |                                 |   | 3.       |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. Immediate connection is not supported.</li> <li>2. Immediate connection is supported.</li> <li>3. To verify whether the MS is in the expected initial state U8.</li> </ol> |                                 |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                       |                                   |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU9_31(ta:TA)                                                                                                                                                                                                                                           |                                   |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                            |                                   |   |          |
| <b>Objective:</b>           |       | To bring the MS into CC state U9 by procedure in table 26.8.1.3/1. This is used in CC testing.                                                                                                                                                                        |                                   |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                           |                                   |   |          |
| <b>Comments:</b>            |       | The state U9 is a transient state when the signal IE is included in the SETUP message. The calling tree shall prepare three variables for the test step: TCV_ChRate for the type of the channel, TCV_CphKey for the ciphering key and TCV_ChMod for the channel mode. |                                   |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                 | CRef                              | V | Comments |
| 1                           |       | (TCV_Setup_mt.sig := Signal_01)                                                                                                                                                                                                                                       |                                   |   |          |
| 2                           |       | +CCEstablishMT_SDCCH4(ta)                                                                                                                                                                                                                                             |                                   |   | 1.       |
| 3                           |       | +CCAuthenticate(TCV_ch)                                                                                                                                                                                                                                               |                                   |   | 2.       |
| 4                           |       | +CCStartCipher(TCV_ch)                                                                                                                                                                                                                                                |                                   |   | 3.       |
| 5                           |       | L!DL_DatRqSetup                                                                                                                                                                                                                                                       | SetupSnd(TCV_ch,<br>TCV_Setup_mt) |   |          |
| 6                           |       | L?DL_DatInCallCo                                                                                                                                                                                                                                                      | CallCfm(CallConfirm_01)           |   |          |
| <b>Detailed Comments:</b>   |       | 1. To establish a MT SDCCH/4.<br>2. To initiate authentication procedure.<br>3. To start ciphering on the traffic channel.                                                                                                                                            |                                   |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                             |                         |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU9_32(ta:TA)                                                                                                                                 |                         |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                  |                         |   |          |
| <b>Objective:</b>           |       | To bring the MS into CC state U9 by procedure in table 26.8.1.3/2. This is used in CC testing.                                                              |                         |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                 |                         |   |          |
| <b>Comments:</b>            |       | The state U9 in the test step is a transient state. The calling tree shall prepare two variables for the test step TCV_ch of SDCCH4 subchannel, TCV_CphKey. |                         |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                       | CRef                    | V | Comments |
| 1                           |       | +PreEnterCCstateU6_32(ta)                                                                                                                                   |                         |   |          |
| 2                           |       | L?DL_DatInCallCo                                                                                                                                            | CallCfm(CallConfirm_01) |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                             |                         |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                       |                                      |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU9_33(actype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                                                                                                               |                                      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                            |                                      |   |          |
| <b>Objective:</b>           |       | To bring the MS into CC state U9 by procedure in table 26.8.1.3/3. This is used in CC testing.                                                                                                                                                                        |                                      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                           |                                      |   |          |
| <b>Comments:</b>            |       | The state U9 is a transient state when the signal IE is included in the SETUP message. The calling tree shall prepare three variables for the test step: TCV_ChRate for the type of the channel, TCV_CphKey for the ciphering key and TCV_ChMod for the channel mode. |                                      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                 | CRef                                 | V | Comments |
| 1                           |       | (TCV_Setup_mt.sig := Signal_01)                                                                                                                                                                                                                                       |                                      |   |          |
| 2                           |       | +CCEstablishMT_TCH(actype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                         |                                      |   | 1.       |
| 3                           |       | +CCAuthenticate(TCV_chTch)                                                                                                                                                                                                                                            |                                      |   | 2.       |
| 4                           |       | +CCStartCipher(TCV_chTch)                                                                                                                                                                                                                                             |                                      |   | 3.       |
| 5                           |       | +CCModifyTCH(slot, tsc)                                                                                                                                                                                                                                               |                                      |   | 4.       |
| 6                           |       | L!DL_DatRqSetup                                                                                                                                                                                                                                                       | SetupSnd(TCV_chTch,<br>TCV_Setup_mt) |   |          |
| 7                           |       | L?DL_DatInCallCo                                                                                                                                                                                                                                                      | CallCfm(CallConfirm_01)              |   |          |
| <b>Detailed Comments:</b>   |       | 1. To establish a MT TCH/F or TCH/H.<br>2. To initiate authentication procedure.<br>3. To start ciphering on the traffic channel.<br>4. To modify the channel mode.                                                                                                   |                                      |   |          |

| Test Step Dynamic Behaviour                                                                                                                                                                                                                                                                                                     |       |                                             |                                   |   |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------|-----------------------------------|---|----------|
| <b>Test Step Name:</b> PreEnterCCstateU9_34(ta:TA)                                                                                                                                                                                                                                                                              |       |                                             |                                   |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                        |       |                                             |                                   |   |          |
| <b>Objective:</b> To bring the MS into CC state U9 by procedure in table 26.8.1.3/4. This is used in CC testing.                                                                                                                                                                                                                |       |                                             |                                   |   |          |
| <b>Default:</b> OtherEvents                                                                                                                                                                                                                                                                                                     |       |                                             |                                   |   |          |
| <b>Comments:</b> The supported bearer capability is specified in the input partameter setup.The calling tree shall prepare two variables for the step: TCV_ch for SDCCH4 subchannel, TCV_CphKey for ciphering key. The `setup` shall contain no signal IE. The test step is used for the MS does not support immediate connect. |       |                                             |                                   |   |          |
| Nr                                                                                                                                                                                                                                                                                                                              | Label | Behaviour Description                       | CRef                              | V | Comments |
| 1                                                                                                                                                                                                                                                                                                                               |       | +CCEstablishMT_SDCCH4(ta)                   |                                   |   | 1.       |
| 2                                                                                                                                                                                                                                                                                                                               |       | +CCStartCipher(TCV_ch)                      |                                   |   |          |
| 3                                                                                                                                                                                                                                                                                                                               |       | L!DL_DatRqSetup                             | SetupSnd(TCV_ch,<br>TCV_Setup_mt) |   | 2.       |
| 4                                                                                                                                                                                                                                                                                                                               |       | L?DL_DatInCallCo                            | CallCfm(CallConfirm_01)           |   |          |
| 5                                                                                                                                                                                                                                                                                                                               |       | +CCstatuschk_02(TCV_ch, C_U9, TI_02, TI_01) |                                   |   | 3.       |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                       |       |                                             |                                   |   |          |
| 1. To assign SDCCH4 channel.                                                                                                                                                                                                                                                                                                    |       |                                             |                                   |   |          |
| 2. SETUP message without SIGNAL IE.                                                                                                                                                                                                                                                                                             |       |                                             |                                   |   |          |
| 3. To check whether the MS is in the initial state U9, if no the test step ends with inconclusive verdict in the default tree.                                                                                                                                                                                                  |       |                                             |                                   |   |          |

| Test Step Dynamic Behaviour                                                                                                                                                                                                                                                                                                                                                                                          |       |                                                                 |                                    |     |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------|------------------------------------|-----|----------|
| <b>Test Step Name:</b> PreEnterCCstateU10(setup:SETUP_MT_PDU; acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                                                                                                                                                                                                                    |       |                                                                 |                                    |     |          |
| <b>Group:</b> GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                                                                                                             |       |                                                                 |                                    |     |          |
| <b>Objective:</b> To establish a mobile terminating call for the supported bearer capability and put the MS under test in the CC state U10.                                                                                                                                                                                                                                                                          |       |                                                                 |                                    |     |          |
| <b>Default:</b> OtherEvents                                                                                                                                                                                                                                                                                                                                                                                          |       |                                                                 |                                    |     |          |
| <b>Comments:</b> The supported bearer capability is specified in the input partameter setup, test case variable TCV_TI holds the transaction ID and the transaction ID =0. This is generic call set up procedure. The calling tree shall prepare three variables for the step: TCV_ch for SDCCH4 subchannel, TCV_chTch for traffic channel, TCV_CphKey for ciphering key. This test step is used for non RR testing. |       |                                                                 |                                    |     |          |
| Nr                                                                                                                                                                                                                                                                                                                                                                                                                   | Label | Behaviour Description                                           | CRef                               | V   | Comments |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                    |       | +CCEstablishMT_SDCCH4(ta)                                       |                                    |     |          |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                    |       | L!DL_DatRqAuthRq                                                | AuthReq(TCV_ch,<br>AuthRequest_01) |     |          |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                    |       | L?DL_DatInAuthRes (TCV_Sres :=<br>DL_DatInAuthRes.msg.sres)     | AuthRes(AuthRespon<br>se_01)       |     |          |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                    |       | (TCV_Res := OC_ChkSRES(TCV_Sres,<br>TSPX_Ki, TSPX_RANDDef))     |                                    |     |          |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                    |       | [TCV_Res = FALSE]                                               |                                    | (I) | 1.       |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                    |       | +PostMainLinkRel(TCV_ch)                                        |                                    |     |          |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                    |       | [TCV_Res = TRUE]                                                |                                    |     |          |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                    |       | +CCStartCipher(TCV_ch)                                          |                                    |     |          |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                    |       | L!DL_DatRqSetup (TCV_TI.ti_f := '0'B,<br>TCV_TI.ti_v := '000'B) | SetupSnd(TCV_ch,<br>setup)         |     |          |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                   |       | L?DL_DatInCallCo(TCV_CallCfm:=DL_<br>DatInCallCo.msg)           | CallCfm(CallConfirm_01)            |     |          |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                   |       | +CCAssignTCH(acttype, slot, tsc, ta,<br>babr, cch_con, bpm)     |                                    |     |          |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                   |       | L?DL_DatInConn                                                  | ConnRcv(Connect_01<br>)            |     |          |
| 13                                                                                                                                                                                                                                                                                                                                                                                                                   |       | +CCstatuschk_02(TCV_chTch,<br>C_U10, TI_02, TI_01)              |                                    |     |          |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                   |       | L?DL_DatInAlert                                                 | AlertRcv(AlertingInd_02(TI_01))    |     |          |
| 15                                                                                                                                                                                                                                                                                                                                                                                                                   |       | (TCV_Null := OO_HookOff())                                      |                                    |     |          |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                   |       | L?DL_DatInConn                                                  | ConnRcv(Connect_01<br>)            |     |          |
| 17                                                                                                                                                                                                                                                                                                                                                                                                                   |       | +CCstatuschk_02(TCV_chTc<br>h, C_U10, TI_02, TI_01)             |                                    |     |          |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                                                                                                            |       |                                                                 |                                    |     |          |
| 1. Authentication fails, inconclusive.                                                                                                                                                                                                                                                                                                                                                                               |       |                                                                 |                                    |     |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |     |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----|----------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU10_late(setup:SETUP_MT_PDU; actype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                                                                                                                                                                                                                     |                                 |     |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                                                                                                         |                                 |     |          |
| <b>Objective:</b>           |       | To establish a mobile terminating call for the supported bearer capability and put the MS under test in the CC state U10.                                                                                                                                                                                                                                                                          |                                 |     |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                                                                                                                        |                                 |     |          |
| <b>Comments:</b>            |       | The supported bearer capability is specified in the input parameter setup, test case variable TCV_TI holds the transaction ID and the transaction ID =0. This is generic call set up procedure. The calling tree shall prepare three variables for the step: TCV_ch for SDCCH4 subchannel, TCV_chTch for traffic channel, TCV_CphKey for ciphering key. This test step is used for non RR testing. |                                 |     |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                              | CRef                            | V   | Comments |
| 1                           |       | +CCEstablishMT_SDCCH4(ta)                                                                                                                                                                                                                                                                                                                                                                          |                                 |     |          |
| 2                           |       | L!DL_DatRqAuthRq                                                                                                                                                                                                                                                                                                                                                                                   | AuthReq(TCV_ch, AuthRequest_01) |     |          |
| 3                           |       | L?DL_DatInAuthRes (TCV_Sres := DL_DatInAuthRes.msg.sres)                                                                                                                                                                                                                                                                                                                                           | AuthRes(AuthResponse_01)        |     |          |
| 4                           |       | (TCV_Res := OC_ChksRES(TCV_Sres, TSPX_Ki, TSPX_RANDDef))                                                                                                                                                                                                                                                                                                                                           |                                 |     |          |
| 5                           |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                                                                  |                                 | (I) | 1.       |
| 6                           |       | +PostMainLinkRel(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                           |                                 |     |          |
| 7                           |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                                                   |                                 |     |          |
| 8                           |       | +CCStartCipher(TCV_ch)                                                                                                                                                                                                                                                                                                                                                                             |                                 |     |          |
| 9                           |       | L!DL_DatRqSetup (TCV_TI.ti_f := '0'B, TCV_TI.ti_v := '000'B)                                                                                                                                                                                                                                                                                                                                       | SetupSnd(TCV_ch, setup)         |     |          |
| 10                          |       | L?DL_DatInCallCo(TCV_CallCfm:=DL_DatInCallCo.msg)                                                                                                                                                                                                                                                                                                                                                  | CallCfm(CallConfirm_01)         |     |          |
| 11                          |       | L?DL_DatInConn                                                                                                                                                                                                                                                                                                                                                                                     | ConnRcv(Connect_01)             |     |          |
| 12                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                         |                                 |     |          |
| 13                          |       | L?DL_DatInAlert                                                                                                                                                                                                                                                                                                                                                                                    | AlertRcv(AlertingInd_02(TI_01)) |     |          |
| 14                          |       | (TCV_Null := OO_HookOff())                                                                                                                                                                                                                                                                                                                                                                         |                                 |     |          |
| 15                          |       | L?DL_DatInConn                                                                                                                                                                                                                                                                                                                                                                                     | ConnRcv(Connect_01)             |     |          |
| 16                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                         |                                 |     |          |
| 17                          |       | <b>localtree</b><br>+CCAssignTCH(actype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                                                                                                        |                                 |     |          |
| 18                          |       | +CCstatuschk_02(TCV_chTch, C_U10, TI_02, TI_01)                                                                                                                                                                                                                                                                                                                                                    |                                 |     |          |
| <b>Detailed Comments:</b>   |       | 1. Authentication fails, inconclusive.                                                                                                                                                                                                                                                                                                                                                             |                                 |     |          |



| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                                           |                                                             |   |                         |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|---|-------------------------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU10_r01(Ta:TA; sub:BITSTRING)                                                                                                                                                                                                                                                                                                                                                              |                                                             |   |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                                                                                                                |                                                             |   |                         |
| <b>Objective:</b>           |       | To establish a mobile terminating call for the supported bearer capability and put the MS in the CC state U10.                                                                                                                                                                                                                                                                                            |                                                             |   |                         |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                                                                                                                               |                                                             |   |                         |
| <b>Comments:</b>            |       | The supported bearer capability is specified in the input partameter setup, test case variable TCV_TI holds the transaction ID and the transaction ID =0. This is generic call set up procedure. The calling tree shall prepare three variables for the step: TCV_ch for SDCCH4 subchannel, TCV_chTch for traffic channel, TCV_CphKey for ciphering key. The timing advance is parameter. For RR testing. |                                                             |   |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                                     | CRef                                                        | V | Comments                |
| 1                           |       | +BasicServiceMT(TSPX_MTBscSvcA,TSPX_MTChRateA,TSPX_MT_ImmConnA)                                                                                                                                                                                                                                                                                                                                           |                                                             |   |                         |
| 2                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                                                                                                            |                                                             |   |                         |
| 3                           |       | LIDL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                                                                          | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                      |   |                         |
| 4                           |       | L?DL_RaclnChRq ( TCV_Rr := DL_RaclnChRq.msg.ecau_rrf, TCV_Fn := DL_RaclnChRq.fn)                                                                                                                                                                                                                                                                                                                          | ChReq_01                                                    |   |                         |
| 5                           |       | ACTIVATE(OtherEvents_02)                                                                                                                                                                                                                                                                                                                                                                                  |                                                             |   | To match ChReq retrans. |
| 6                           |       | +gsmOrDcs                                                                                                                                                                                                                                                                                                                                                                                                 |                                                             |   |                         |
| 7                           |       | L?DL_EstlnPgRes                                                                                                                                                                                                                                                                                                                                                                                           | PgRes_01                                                    |   |                         |
| 8                           |       | ACTIVATE(OtherEvents)                                                                                                                                                                                                                                                                                                                                                                                     |                                                             |   | Restore Normal default  |
| 9                           |       | LIDL_DatRqAuthRq                                                                                                                                                                                                                                                                                                                                                                                          | AuthReq_01(TCV_ch)                                          |   |                         |
| 10                          |       | L?DL_DatlnAuthRes (TCV_Sres := DL_DatlnAuthRes.msg.sres)                                                                                                                                                                                                                                                                                                                                                  | AuthRes_01                                                  |   |                         |
| 11                          |       | (TCV_Res := OC_ChkSRES(TCV_Sres, TSPX_Ki, TSPX_RANDDef))                                                                                                                                                                                                                                                                                                                                                  |                                                             |   |                         |
| 12                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                                                                         |                                                             | I | 1.                      |
| 13                          |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                                                          |                                                             |   |                         |
| 14                          |       | (TCV_Null := OM_CphMdChg(TCV_ch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                                                                                                                                                                  |                                                             |   |                         |
| 15                          |       | LIDL_DatRqCphmCmd                                                                                                                                                                                                                                                                                                                                                                                         | CphCmd_01(TCV_ch)                                           |   |                         |
| 16                          |       | L?DL_DatlnCphmCom                                                                                                                                                                                                                                                                                                                                                                                         | CphCmp_01                                                   |   |                         |
| 17                          |       | LIDL_DatRqSetup (TCV_TI.ti_f := '0'B, TCV_TI.ti_v := '000'B)                                                                                                                                                                                                                                                                                                                                              | SetupRq_05(TCV_ch, TCV_Setup_mt)                            |   |                         |
| 18                          |       | L?DL_DatlnCallCo(TCV_CallCfm:=DL_DatlnCallCo.msg)                                                                                                                                                                                                                                                                                                                                                         | CallCfm_01                                                  |   |                         |
| 19                          |       | L?DL_DatlnConn                                                                                                                                                                                                                                                                                                                                                                                            | ConnRcv_01                                                  |   |                         |
| 20                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                |                                                             |   |                         |
| 21                          |       | L?DL_DatlnAlert                                                                                                                                                                                                                                                                                                                                                                                           | AlertRcv_01                                                 |   |                         |
| 22                          |       | (TCV_Null := OO_HookOff())                                                                                                                                                                                                                                                                                                                                                                                |                                                             |   |                         |
| 23                          |       | L?DL_DatlnConn                                                                                                                                                                                                                                                                                                                                                                                            | ConnRcv_01                                                  |   |                         |
| 24                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                                |                                                             |   |                         |
| <b>localtree</b>            |       |                                                                                                                                                                                                                                                                                                                                                                                                           |                                                             |   |                         |
| 25                          |       | +AssCmdGen2MT                                                                                                                                                                                                                                                                                                                                                                                             |                                                             |   |                         |
| 26                          |       | +Adjust_gsmanddcs_powerlvl(0, 3, TCV_AssCmd)                                                                                                                                                                                                                                                                                                                                                              |                                                             |   |                         |
| 27                          |       | +AssCh_complete(TCV_ch, TCV_chTch, TCV_AssCmd)                                                                                                                                                                                                                                                                                                                                                            |                                                             |   |                         |
| 28                          |       | LIDL_DatRqConnAck                                                                                                                                                                                                                                                                                                                                                                                         | ConnAck_01(TCV_ch Tch)                                      |   |                         |
| 29                          |       | +CCstatuschk_02(TCV_chTch, C_U10, TI_02, OC_ReverseTfOfTi(TI_02))                                                                                                                                                                                                                                                                                                                                         |                                                             |   |                         |
| <b>gsmOrDcs</b>             |       |                                                                                                                                                                                                                                                                                                                                                                                                           |                                                             |   |                         |
| 30                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                                                                  |                                                             |   |                         |
| 31                          |       | LIDL_UdatRqImmAss (DL_UdatRqImmAss.msg.chd := ChDescrp_r04(sub, TCV_slot, TCV_tsc))                                                                                                                                                                                                                                                                                                                       | ImmAss_r09(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, Ta) |   |                         |

|                                                                  |                                                                                       |                                                                        |  |
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| 32                                                               | [TSPC_DCS]                                                                            |                                                                        |  |
| 33                                                               | L!DL_UdatRqImmss (DL_UdatRqImmss.msg.chd<br>:= ChDescrp_r04d(sub, TCV_slot, TCV_tsc)) | ImmAss_r09d(TCV_a<br>gch, TCV_Rr,<br>TCV_Fn, TCV_slot,<br>TCV_tsc, Ta) |  |
| <b>Detailed Comments:</b> 1. Authentication fails, inconclusive. |                                                                                       |                                                                        |  |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                                              |                                                         |   |                         |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---|-------------------------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU10_r02(sub:BITSTRING; ta:TA)                                                                                                                                                                                                                                                                                                                                                 |                                                         |   |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                                                                                                   |                                                         |   |                         |
| <b>Objective:</b>           |       | To establish a mobile terminating call for the supported bearer capability and put the MS in the CC state U10.                                                                                                                                                                                                                                                                               |                                                         |   |                         |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                                                                                                                  |                                                         |   |                         |
| <b>Comments:</b>            |       | The supported bearer capability is specified in the input partameter setup, test case variable TCV_TI holds the transaction ID and the transaction ID =0. This is generic call set up procedure. The calling tree shall prepare three variables for the step: TCV_ch for SDCCH4 subchannel, TCV_chTch for traffic channel, TCV_CphKey for ciphering key. The power level is TSPX_MSTxpwrMax. |                                                         |   |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                                        | CRef                                                    | V | Comments                |
| 1                           |       | +BasicServiceMT(TSPX_MTBscSvcA,TSPX_MTChRateA,TSPX_MT_ImmConnA)                                                                                                                                                                                                                                                                                                                              |                                                         |   |                         |
| 2                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                                                                                               |                                                         |   |                         |
| 3                           |       | LIDL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                                                             | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                  |   |                         |
| 4                           |       | L?DL_RaclnChRq ( TCV_Rr := DL_RaclnChRq.msg.ecau_rrf, TCV_Fn := DL_RaclnChRq.fn)                                                                                                                                                                                                                                                                                                             | ChReq_01                                                |   |                         |
| 5                           |       | ACTIVATE(OtherEvents_02)                                                                                                                                                                                                                                                                                                                                                                     |                                                         |   | To match ChReq retrans. |
| 6                           |       | +gsmOrDcs                                                                                                                                                                                                                                                                                                                                                                                    |                                                         |   |                         |
| 7                           |       | L?DL_EstlnPgRes                                                                                                                                                                                                                                                                                                                                                                              | PgRes_01                                                |   |                         |
| 8                           |       | ACTIVATE(OtherEvents)                                                                                                                                                                                                                                                                                                                                                                        |                                                         |   | Restore Normal default  |
| 9                           |       | LIDL_DatRqAuthRq                                                                                                                                                                                                                                                                                                                                                                             | AuthReq_01(TCV_ch)                                      |   |                         |
| 10                          |       | L?DL_DatlnAuthRes (TCV_Sres := DL_DatlnAuthRes.msg.sres)                                                                                                                                                                                                                                                                                                                                     | AuthRes_01                                              |   |                         |
| 11                          |       | (TCV_Res := OC_ChkSRES(TCV_Sres, TSPX_Ki, TSPX_RANDDef))                                                                                                                                                                                                                                                                                                                                     |                                                         |   |                         |
| 12                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                                                            |                                                         | I | 1.                      |
| 13                          |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                                             |                                                         |   |                         |
| 14                          |       | (TCV_Null := OM_CphMdChg(TCV_ch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                                                                                                                                                     |                                                         |   |                         |
| 15                          |       | LIDL_DatRqCphmCmd                                                                                                                                                                                                                                                                                                                                                                            | CphCmd_01(TCV_ch)                                       |   |                         |
| 16                          |       | L?DL_DatlnCphmCom                                                                                                                                                                                                                                                                                                                                                                            | CphCmp_01                                               |   |                         |
| 17                          |       | LIDL_DatRqSetup (TCV_TI.ti_f := '0'B, TCV_TI.ti_v := '000'B)                                                                                                                                                                                                                                                                                                                                 | SetupRq_05(TCV_ch, TCV_Setup_mt)                        |   |                         |
| 18                          |       | L?DL_DatlnCallCo(TCV_CallCfm:=DL_DatlnCallCo.msg)                                                                                                                                                                                                                                                                                                                                            | CallCfm_01                                              |   |                         |
| 19                          |       | L?DL_DatlnConn                                                                                                                                                                                                                                                                                                                                                                               | ConnRcv_01                                              |   |                         |
| 20                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                   |                                                         |   |                         |
| 21                          |       | L?DL_DatlnAlert                                                                                                                                                                                                                                                                                                                                                                              | AlertRcv_01                                             |   |                         |
| 22                          |       | (TCV_Null := OO_HookOff())                                                                                                                                                                                                                                                                                                                                                                   |                                                         |   |                         |
| 23                          |       | L?DL_DatlnConn                                                                                                                                                                                                                                                                                                                                                                               | ConnRcv_01                                              |   |                         |
| 24                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                                                   |                                                         |   |                         |
| <b>localtree</b>            |       |                                                                                                                                                                                                                                                                                                                                                                                              |                                                         |   |                         |
| 25                          |       | +AssCmdGen2MT                                                                                                                                                                                                                                                                                                                                                                                |                                                         |   |                         |
| 26                          |       | +Adjust_gsmanddcs_powerlvl(TSPX_MSTxpwrMax, TSPX_MSTxpwrMax, TCV_AssCmd)                                                                                                                                                                                                                                                                                                                     |                                                         |   |                         |
| 27                          |       | +AssCh_complete(TCV_ch, TCV_chTch, TCV_AssCmd)                                                                                                                                                                                                                                                                                                                                               |                                                         |   |                         |
| 28                          |       | LIDL_DatRqConnAck                                                                                                                                                                                                                                                                                                                                                                            | ConnAck_01(TCV_ch Tch)                                  |   |                         |
| 29                          |       | +CCstatuschk_02(TCV_chTch, C_U10, TCV_Setup_mt.ti, OC_ReverseTfOfTi(TCV_Setup_mt.ti))                                                                                                                                                                                                                                                                                                        |                                                         |   |                         |
| <b>gsmOrDcs</b>             |       |                                                                                                                                                                                                                                                                                                                                                                                              |                                                         |   |                         |
| 30                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                                                     |                                                         |   |                         |
| 31                          |       | LIDL_UdatRqImmss (DL_UdatRqImmss.msg.chd := ChDescrp_r04(sub, TCV_slot, TCV_tsc))                                                                                                                                                                                                                                                                                                            | ImmAss_r09(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, |   |                         |

|                           |  |                                                                                       |                                                                        |  |  |
|---------------------------|--|---------------------------------------------------------------------------------------|------------------------------------------------------------------------|--|--|
| 32                        |  | [TSPC_DCS]                                                                            | ta)                                                                    |  |  |
| 33                        |  | L!DL_UdatRqImmss (DL_UdatRqImmss.msg.chd<br>:= ChDescrp_r04d(sub, TCV_slot, TCV_tsc)) | ImmAss_r09d(TCV_a<br>gch, TCV_Rr,<br>TCV_Fn, TCV_slot,<br>TCV_tsc, ta) |  |  |
| <b>Detailed Comments:</b> |  | 1. Authentication fails, inconclusive.                                                |                                                                        |  |  |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                  |                                                             |   |                         |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|---|-------------------------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU10_r03(ta:TA)                                                                                                                                                                                                                                                                                                                                    |                                                             |   |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                                                                       |                                                             |   |                         |
| <b>Objective:</b>           |       | To establish a mobile terminating call for the supported bearer capability and put the MS in the CC state U10.                                                                                                                                                                                                                                                   |                                                             |   |                         |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                                                                                      |                                                             |   |                         |
| <b>Comments:</b>            |       | The supported bearer capability is specified in the input parameter setup, test case variable TCV_TI holds the transaction ID and the transaction ID =0. This is generic call set up procedure. The calling tree shall prepare three variables for the step: TCV_ch for TSPX_SDCCH4SubA subchannel, TCV_chTch for traffic channel, TCV_CphKey for ciphering key. |                                                             |   |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                            | CRef                                                        | V | Comments                |
| 1                           |       | +BasicServiceMT(TSPX_MTBscSvcA,TSPX_MTChRateA,TSPX_MT_ImmConnA)                                                                                                                                                                                                                                                                                                  |                                                             |   |                         |
| 2                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                                                                   |                                                             |   |                         |
| 3                           |       | LIDL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                                 | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                      |   |                         |
| 4                           |       | L?DL_RaclnChRq ( TCV_Rr := DL_RaclnChRq.msg.ecau_rrf, TCV_Fn := DL_RaclnChRq.fn)                                                                                                                                                                                                                                                                                 | ChReq_01                                                    |   |                         |
| 5                           |       | ACTIVATE(OtherEvents_02)                                                                                                                                                                                                                                                                                                                                         |                                                             |   | To match ChReq retrans. |
| 6                           |       | +gsmOrDcs                                                                                                                                                                                                                                                                                                                                                        |                                                             |   |                         |
| 7                           |       | L?DL_EstlnPgRes                                                                                                                                                                                                                                                                                                                                                  | PgRes_01                                                    |   |                         |
| 8                           |       | ACTIVATE(OtherEvents)                                                                                                                                                                                                                                                                                                                                            |                                                             |   | Restore Normal default  |
| 9                           |       | LIDL_DatRqAuthRq                                                                                                                                                                                                                                                                                                                                                 | AuthReq_01(TCV_ch)                                          |   |                         |
| 10                          |       | L?DL_DatlnAuthRes (TCV_Sres := DL_DatlnAuthRes.msg.sres)                                                                                                                                                                                                                                                                                                         | AuthRes_01                                                  |   |                         |
| 11                          |       | (TCV_Res := OC_ChkSRES(TCV_Sres, TSPX_Ki, TSPX_RANDDef))                                                                                                                                                                                                                                                                                                         |                                                             |   |                         |
| 12                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                                |                                                             | I | 1.                      |
| 13                          |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                 |                                                             |   |                         |
| 14                          |       | (TCV_Null := OM_CphMdChg(TCV_ch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                                                                                                                         |                                                             |   |                         |
| 15                          |       | LIDL_DatRqCphmCmd                                                                                                                                                                                                                                                                                                                                                | CphCmd_01(TCV_ch)                                           |   |                         |
| 16                          |       | L?DL_DatlnCphmCom                                                                                                                                                                                                                                                                                                                                                | CphCmp_01                                                   |   |                         |
| 17                          |       | LIDL_DatRqSetup (TCV_TI.ti_f := '0'B, TCV_TI.ti_v := '000'B)                                                                                                                                                                                                                                                                                                     | SetupRq_05(TCV_ch, TCV_Setup_mt)                            |   |                         |
| 18                          |       | L?DL_DatlnCallCo(TCV_CallCfm:=DL_DatlnCallCo.msg)                                                                                                                                                                                                                                                                                                                | CallCfm_01                                                  |   |                         |
| 19                          |       | L?DL_DatlnConn                                                                                                                                                                                                                                                                                                                                                   | ConnRcv_01                                                  |   |                         |
| 20                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                       |                                                             |   |                         |
| 21                          |       | L?DL_DatlnAlert                                                                                                                                                                                                                                                                                                                                                  | AlertRcv_01                                                 |   |                         |
| 22                          |       | (TCV_Null := OO_HookOff())                                                                                                                                                                                                                                                                                                                                       |                                                             |   |                         |
| 23                          |       | L?DL_DatlnConn                                                                                                                                                                                                                                                                                                                                                   | ConnRcv_01                                                  |   |                         |
| 24                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                       |                                                             |   |                         |
| <b>localtree</b>            |       |                                                                                                                                                                                                                                                                                                                                                                  |                                                             |   |                         |
| 25                          |       | +AssCmdGen2MT                                                                                                                                                                                                                                                                                                                                                    |                                                             |   |                         |
| 26                          |       | +Adjust_gsmanddcs_powerlvl(0, 3, TCV_AssCmd)                                                                                                                                                                                                                                                                                                                     |                                                             |   |                         |
| 27                          |       | +AssCh_complete(TCV_ch, TCV_chTch, TCV_AssCmd)                                                                                                                                                                                                                                                                                                                   |                                                             |   |                         |
| 28                          |       | LIDL_DatRqConnAck                                                                                                                                                                                                                                                                                                                                                | ConnAck_01(TCV_chTch)                                       |   |                         |
| 29                          |       | +CCstatuschk_02(TCV_chTch, C_U10, TCV_Setup_mt.ti, OC_ReverseTfOfTi(TCV_Setup_mt.ti))                                                                                                                                                                                                                                                                            |                                                             |   |                         |
| <b>gsmOrDcs</b>             |       |                                                                                                                                                                                                                                                                                                                                                                  |                                                             |   |                         |
| 30                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                         |                                                             |   |                         |
| 31                          |       | LIDL_UdatRqImmss                                                                                                                                                                                                                                                                                                                                                 | ImmAss_r22(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, ta) |   |                         |

|                           |  |                                        |                                                                       |  |
|---------------------------|--|----------------------------------------|-----------------------------------------------------------------------|--|
| 32                        |  | [TSPC_DCS]                             |                                                                       |  |
| 33                        |  | L!DL_UdatRqImm                         | ImmAss_r24(TCV_ag<br>ch, TCV_Rr, TCV_Fn,<br>TCV_slot, TCV_tsc,<br>ta) |  |
| <b>Detailed Comments:</b> |  | 1. Authentication fails, inconclusive. |                                                                       |  |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                  |                                                             |   |                         |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|---|-------------------------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU10_r04(ta:TA)                                                                                                                                                                                                                                                                                                                                    |                                                             |   |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                                                                       |                                                             |   |                         |
| <b>Objective:</b>           |       | To establish a mobile terminating call for the supported bearer capability in cell N7 and put the MS in the CC state U10.                                                                                                                                                                                                                                        |                                                             |   |                         |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                                                                                      |                                                             |   |                         |
| <b>Comments:</b>            |       | The supported bearer capability is specified in the input parameter setup, test case variable TCV_TI holds the transaction ID and the transaction ID =0. This is generic call set up procedure. The calling tree shall prepare three variables for the step: TCV_ch for TSPX_SDCCH4SubA subchannel, TCV_chTch for traffic channel, TCV_CphKey for ciphering key. |                                                             |   |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                            | CRef                                                        | V | Comments                |
| 1                           |       | +BasicServiceMT(TSPX_MTBscSvcA,TSPX_MTChRateA,TSPX_MT_ImmConnA)                                                                                                                                                                                                                                                                                                  |                                                             |   |                         |
| 2                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                                                                   |                                                             |   |                         |
| 3                           |       | LIDL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                                 | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                      |   |                         |
| 4                           |       | L?DL_RaclnChRq ( TCV_Rr := DL_RaclnChRq.msg.ecau_rrf, TCV_Fn := DL_RaclnChRq.fn)                                                                                                                                                                                                                                                                                 | ChReq_01                                                    |   |                         |
| 5                           |       | ACTIVATE(OtherEvents_02)                                                                                                                                                                                                                                                                                                                                         |                                                             |   | To match ChReq retrans. |
| 6                           |       | +gsmOrDcs                                                                                                                                                                                                                                                                                                                                                        |                                                             |   |                         |
| 7                           |       | L?DL_EstlnPgRes                                                                                                                                                                                                                                                                                                                                                  | PgRes_01                                                    |   |                         |
| 8                           |       | ACTIVATE(OtherEvents)                                                                                                                                                                                                                                                                                                                                            |                                                             |   | Restore Normal default  |
| 9                           |       | LIDL_DatRqAuthRq                                                                                                                                                                                                                                                                                                                                                 | AuthReq_01(TCV_ch)                                          |   |                         |
| 10                          |       | L?DL_DatlnAuthRes (TCV_Sres := DL_DatlnAuthRes.msg.sres)                                                                                                                                                                                                                                                                                                         | AuthRes_01                                                  |   |                         |
| 11                          |       | (TCV_Res := OC_ChkSRES(TCV_Sres, TSPX_Ki, TSPX_RANDDef))                                                                                                                                                                                                                                                                                                         |                                                             |   |                         |
| 12                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                                |                                                             | I | 1.                      |
| 13                          |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                 |                                                             |   |                         |
| 14                          |       | (TCV_Null := OM_CphMdChg(TCV_ch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                                                                                                                         |                                                             |   |                         |
| 15                          |       | LIDL_DatRqCphmCmd                                                                                                                                                                                                                                                                                                                                                | CphCmd_01(TCV_ch)                                           |   |                         |
| 16                          |       | L?DL_DatlnCphmCom                                                                                                                                                                                                                                                                                                                                                | CphCmp_01                                                   |   |                         |
| 17                          |       | LIDL_DatRqSetup (TCV_TI.ti_f := '0'B, TCV_TI.ti_v := '000'B)                                                                                                                                                                                                                                                                                                     | SetupRq_05(TCV_ch, TCV_Setup_mt)                            |   |                         |
| 18                          |       | L?DL_DatlnCallCo(TCV_CallCfm:=DL_DatlnCallCo.msg)                                                                                                                                                                                                                                                                                                                | CallCfm_01                                                  |   |                         |
| 19                          |       | L?DL_DatlnConn                                                                                                                                                                                                                                                                                                                                                   | ConnRcv_01                                                  |   |                         |
| 20                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                       |                                                             |   |                         |
| 21                          |       | L?DL_DatlnAlert                                                                                                                                                                                                                                                                                                                                                  | AlertRcv_01                                                 |   |                         |
| 22                          |       | (TCV_Null := OO_HookOff())                                                                                                                                                                                                                                                                                                                                       |                                                             |   |                         |
| 23                          |       | L?DL_DatlnConn                                                                                                                                                                                                                                                                                                                                                   | ConnRcv_01                                                  |   |                         |
| 24                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                       |                                                             |   |                         |
| <b>localtree</b>            |       |                                                                                                                                                                                                                                                                                                                                                                  |                                                             |   |                         |
| 25                          |       | +AssCmdGen2MT                                                                                                                                                                                                                                                                                                                                                    |                                                             |   |                         |
| 26                          |       | +Adjust_gsmanddcs_powerlvl(0, 3, TCV_AssCmd)                                                                                                                                                                                                                                                                                                                     |                                                             |   |                         |
| 27                          |       | +AssCh_complete(TCV_ch, TCV_chTch, TCV_AssCmd)                                                                                                                                                                                                                                                                                                                   |                                                             |   |                         |
| 28                          |       | LIDL_DatRqConnAck                                                                                                                                                                                                                                                                                                                                                | ConnAck_01(TCV_chTch)                                       |   |                         |
| 29                          |       | +CCstatuschk_02(TCV_chTch, C_U10, TCV_Setup_mt.ti, OC_ReverseTfOfTi(TCV_Setup_mt.ti))                                                                                                                                                                                                                                                                            |                                                             |   |                         |
| <b>gsmOrDcs</b>             |       |                                                                                                                                                                                                                                                                                                                                                                  |                                                             |   |                         |
| 30                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                         |                                                             |   |                         |
| 31                          |       | LIDL_UdatRqImmss                                                                                                                                                                                                                                                                                                                                                 | ImmAss_r23(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, ta) |   |                         |

|                                                                  |                |                                                                       |  |
|------------------------------------------------------------------|----------------|-----------------------------------------------------------------------|--|
| 32                                                               | [TSPC_DCS]     |                                                                       |  |
| 33                                                               | L!DL_UdatRqImm | ImmAss_r26(TCV_ag<br>ch, TCV_Rr, TCV_Fn,<br>TCV_slot, TCV_tsc,<br>ta) |  |
| <b>Detailed Comments:</b> 1. Authentication fails, inconclusive. |                |                                                                       |  |



| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                  |                                                             |   |                         |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|---|-------------------------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU10_r05(ta:TA)                                                                                                                                                                                                                                                                                                                                    |                                                             |   |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                                                                       |                                                             |   |                         |
| <b>Objective:</b>           |       | To establish a mobile terminating call for the supported bearer capability and put the MS in the CC state U10.                                                                                                                                                                                                                                                   |                                                             |   |                         |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                                                                                      |                                                             |   |                         |
| <b>Comments:</b>            |       | The supported bearer capability is specified in the input partameter setup, test case variable TCV_TI holds the transaction ID and the transaction ID = 0. This is generic call set up procedure. The calling tree shall prepare three variables for the step: TCV_ch for TSPX_SDCCH4SubA subchannel, TCV_chTch for traffic channel, TCV_CphKey for ciphing key. |                                                             |   |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                            | CRef                                                        | V | Comments                |
| 1                           |       | +BasicServiceMT(TSPX_MTBscSvcA,TSPX_MTChRateA,TSPX_MT_ImmConnA)                                                                                                                                                                                                                                                                                                  |                                                             |   |                         |
| 2                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                                                                                                                                                                                                                                   |                                                             |   |                         |
| 3                           |       | LIDL_UdatRqPg1Rq                                                                                                                                                                                                                                                                                                                                                 | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                      |   |                         |
| 4                           |       | L?DL_RaclnChRq ( TCV_Rr := DL_RaclnChRq.msg.ecau_rrf, TCV_Fn := DL_RaclnChRq.fn)                                                                                                                                                                                                                                                                                 | ChReq_01                                                    |   |                         |
| 5                           |       | ACTIVATE(OtherEvents_02)                                                                                                                                                                                                                                                                                                                                         |                                                             |   | To match ChReq retrans. |
| 6                           |       | +gsmOrDcs                                                                                                                                                                                                                                                                                                                                                        |                                                             |   |                         |
| 7                           |       | L?DL_EstlnPgRes                                                                                                                                                                                                                                                                                                                                                  | PgRes_01                                                    |   |                         |
| 8                           |       | ACTIVATE(OtherEvents)                                                                                                                                                                                                                                                                                                                                            |                                                             |   | Restore Normal default  |
| 9                           |       | LIDL_DatRqAuthRq                                                                                                                                                                                                                                                                                                                                                 | AuthReq_01(TCV_ch)                                          |   |                         |
| 10                          |       | L?DL_DatlnAuthRes (TCV_Sres := DL_DatlnAuthRes.msg.sres)                                                                                                                                                                                                                                                                                                         | AuthRes_01                                                  |   |                         |
| 11                          |       | (TCV_Res := OC_ChkSRES(TCV_Sres, TSPX_Ki, TSPX_RANDDef))                                                                                                                                                                                                                                                                                                         |                                                             |   |                         |
| 12                          |       | [TCV_Res = FALSE]                                                                                                                                                                                                                                                                                                                                                |                                                             | I | 1.                      |
| 13                          |       | [TCV_Res = TRUE]                                                                                                                                                                                                                                                                                                                                                 |                                                             |   |                         |
| 14                          |       | (TCV_Null := OM_CphMdChg(TCV_ch, CphMod_01, TCV_CphKey))                                                                                                                                                                                                                                                                                                         |                                                             |   |                         |
| 15                          |       | LIDL_DatRqCphmCmd                                                                                                                                                                                                                                                                                                                                                | CphCmd_01(TCV_ch)                                           |   |                         |
| 16                          |       | L?DL_DatlnCphmCom                                                                                                                                                                                                                                                                                                                                                | CphCmp_01                                                   |   |                         |
| 17                          |       | LIDL_DatRqSetup (TCV_TI.ti_f := '0'B, TCV_TI.ti_v := '000'B)                                                                                                                                                                                                                                                                                                     | SetupRq_05(TCV_ch, TCV_Setup_mt)                            |   |                         |
| 18                          |       | L?DL_DatlnCallCo(TCV_CallCfm:=DL_DatlnCallCo.msg)                                                                                                                                                                                                                                                                                                                | CallCfm_01                                                  |   |                         |
| 19                          |       | L?DL_DatlnConn                                                                                                                                                                                                                                                                                                                                                   | ConnRcv_01                                                  |   |                         |
| 20                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                       |                                                             |   |                         |
| 21                          |       | L?DL_DatlnAlert                                                                                                                                                                                                                                                                                                                                                  | AlertRcv_01                                                 |   |                         |
| 22                          |       | (TCV_Null := OO_HookOff())                                                                                                                                                                                                                                                                                                                                       |                                                             |   |                         |
| 23                          |       | L?DL_DatlnConn                                                                                                                                                                                                                                                                                                                                                   | ConnRcv_01                                                  |   |                         |
| 24                          |       | +localtree                                                                                                                                                                                                                                                                                                                                                       |                                                             |   |                         |
| <b>localtree</b>            |       |                                                                                                                                                                                                                                                                                                                                                                  |                                                             |   |                         |
| 25                          |       | +AssCmdGen2MT                                                                                                                                                                                                                                                                                                                                                    |                                                             |   |                         |
| 26                          |       | +Adjust_gsmanddcs_powerlvl(0, 3, TCV_AssCmd)                                                                                                                                                                                                                                                                                                                     |                                                             |   |                         |
| 27                          |       | +AssCh_complete(TCV_ch, TCV_chTch, TCV_AssCmd)                                                                                                                                                                                                                                                                                                                   |                                                             |   |                         |
| 28                          |       | LIDL_DatRqConnAck                                                                                                                                                                                                                                                                                                                                                | ConnAck_01(TCV_chTch)                                       |   |                         |
| 29                          |       | +CCstatuschk_02(TCV_chTch, C_U10, TCV_Setup_mt.ti, OC_ReverseTfOfTi(TCV_Setup_mt.ti))                                                                                                                                                                                                                                                                            |                                                             |   |                         |
| <b>gsmOrDcs</b>             |       |                                                                                                                                                                                                                                                                                                                                                                  |                                                             |   |                         |
| 30                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                                                         |                                                             |   |                         |
| 31                          |       | LIDL_UdatRqImmss                                                                                                                                                                                                                                                                                                                                                 | ImmAss_r22(TCV_agch, TCV_Rr, TCV_Fn, TCV_slot, TCV_tsc, ta) |   |                         |

|                                                                  |                |                                                                       |  |  |
|------------------------------------------------------------------|----------------|-----------------------------------------------------------------------|--|--|
| 32                                                               | [TSPC_DCS]     |                                                                       |  |  |
| 33                                                               | LIDL_UdatRqImm | ImmAss_r25(TCV_ag<br>ch, TCV_Rr, TCV_Fn,<br>TCV_slot, TCV_tsc,<br>ta) |  |  |
| <b>Detailed Comments:</b> 1. Authentication fails, inconclusive. |                |                                                                       |  |  |

| Test Step Dynamic Behaviour                                                    |       |                                                                                                                                                                                                                                                                                                                  |                                                               |   |          |
|--------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b>                                                         |       | PreEnterCCstateU10_21(actype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                                                                                                                                                         |                                                               |   |          |
| <b>Group:</b>                                                                  |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                       |                                                               |   |          |
| <b>Objective:</b>                                                              |       | To bring the MS into CC state U10 by procedure in table 26.8.1.2/1. This is used in CC testing.                                                                                                                                                                                                                  |                                                               |   |          |
| <b>Default:</b>                                                                |       | OtherEvents                                                                                                                                                                                                                                                                                                      |                                                               |   |          |
| <b>Comments:</b>                                                               |       | TCV_TI0 contains the transaction identifier from the MS, and TCV_TI contains the transaction identifier for test system to send CC message. The values of them are used in test body. The calling tree shall prepare two variables for the step: TCV_ch for the SDCCH4 subchannel; TCV_CphKey for ciphering key. |                                                               |   |          |
| Nr                                                                             | Label | Behaviour Description                                                                                                                                                                                                                                                                                            | CRef                                                          | V | Comments |
| 1                                                                              |       | +PreEnterCCstateU4_21(ta)                                                                                                                                                                                                                                                                                        |                                                               |   | 1.       |
| 2                                                                              |       | +CCAssignTCH(actype, slot, tsc, ta, babr,<br>cch_con, bpm)                                                                                                                                                                                                                                                       |                                                               |   |          |
| 3                                                                              |       | LIDL_DatRqConn                                                                                                                                                                                                                                                                                                   | ConnSnd(TCV_chTch<br>,                                        |   |          |
| 4                                                                              |       | L?DL_DatInConnAck                                                                                                                                                                                                                                                                                                | Connect_02(TCV_TI))<br>ConnAckRcv(Connect<br>Ack_02(TCV_TI0)) |   |          |
| 5                                                                              |       | +CCstatuschk_02(TCV_chTch, C_U10,<br>TCV_TI, TCV_TI0)                                                                                                                                                                                                                                                            |                                                               |   |          |
| <b>Detailed Comments:</b> 1. To assign the suitable traffic channel to the MS. |       |                                                                                                                                                                                                                                                                                                                  |                                                               |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                       |                                                               |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU10_22(actype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                              |                                                               |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                            |                                                               |   |          |
| <b>Objective:</b>           |       | To bring the MS into CC state U10 by procedure in table 26.8.1.2/2. This is used in CC testing.                                                                                       |                                                               |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                           |                                                               |   |          |
| <b>Comments:</b>            |       | TCV_TI0 contains the transaction identifier from the MS, and TCV_TI contains the transaction identifier for test system to send CC message. The values of them are used in test body. |                                                               |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                 | CRef                                                          | V | Comments |
| 1                           |       | +PreEnterCCstateU4_22(actype, slot, tsc, ta, babr,<br>cch_con, bpm)                                                                                                                   |                                                               |   |          |
| 2                           |       | LIDL_DatRqConn                                                                                                                                                                        | ConnSnd(TCV_chTch<br>,                                        |   |          |
| 3                           |       | L?DL_DatInConnAck                                                                                                                                                                     | Connect_02(TCV_TI))<br>ConnAckRcv(Connect<br>Ack_02(TCV_TI0)) |   |          |
| 4                           |       | +CCstatuschk_02(TCV_chTch, C_U10,<br>TCV_TI, TCV_TI0)                                                                                                                                 |                                                               |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                       |                                                               |   |          |

| Test Step Dynamic Behaviour                                                                                                                                                                                                                                                                                                       |       |                                                                                    |                                                               |   |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------|---------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b> PreEnterCCstateU11_23(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                                                                                                                                                  |       |                                                                                    |                                                               |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                          |       |                                                                                    |                                                               |   |          |
| <b>Objective:</b> To bring the MS into CC state U11 by procedure in table 26.8.1.2/3. This is used in CC testing.                                                                                                                                                                                                                 |       |                                                                                    |                                                               |   |          |
| <b>Default:</b> OtherEvents                                                                                                                                                                                                                                                                                                       |       |                                                                                    |                                                               |   |          |
| <b>Comments:</b> TCV_TIO contains the transaction identifier from the MS, and TCV_TI contains the transaction identifier for test system to send CC message. The values of them are used in test body. The calling tree shall prepare two variables for the step: TCV_ch for the SDCCH4 subchannel; TCV_CphKey for ciphering key. |       |                                                                                    |                                                               |   |          |
| Nr                                                                                                                                                                                                                                                                                                                                | Label | Behaviour Description                                                              | CRef                                                          | V | Comments |
| 1                                                                                                                                                                                                                                                                                                                                 |       | +PreEnterCCstateU4_23(acttype, slot, tsc, ta, babr, cch_con, bpm)                  |                                                               |   |          |
| 2                                                                                                                                                                                                                                                                                                                                 |       | L!DL_DatRqConn                                                                     | ConnSnd(TCV_chTch                                             |   |          |
| 3                                                                                                                                                                                                                                                                                                                                 |       | L?DL_DatInConnAck                                                                  | Connect_02(TCV_TI))<br>ConnAckRcv(Connect<br>Ack_02(TCV_TIO)) |   |          |
| 4                                                                                                                                                                                                                                                                                                                                 |       | +TermCall                                                                          |                                                               |   |          |
| 5                                                                                                                                                                                                                                                                                                                                 |       | L?DL_DatInDisc (TCV_Cau0 :=<br>DL_DatInDisc.msg.cau, TCV_Fn :=<br>DL_DatInDisc.fn) | DiscRcv(TCV_chTch,<br>Disconn_05(TCV_TIO<br>)                 |   |          |
| 6                                                                                                                                                                                                                                                                                                                                 |       | +CCstatuschk_02(TCV_chTch, C_U11,<br>TCV_TI, TCV_TIO)                              |                                                               |   |          |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                         |       |                                                                                    |                                                               |   |          |
| 1. To assign SDCCH4 channel.                                                                                                                                                                                                                                                                                                      |       |                                                                                    |                                                               |   |          |
| 2. Full rate channel needed, to setup a physical channel as full rate traffic channel.                                                                                                                                                                                                                                            |       |                                                                                    |                                                               |   |          |
| 3. Half rate channel needed, to setup a physical channel as half rate traffic channel.                                                                                                                                                                                                                                            |       |                                                                                    |                                                               |   |          |

| Test Step Dynamic Behaviour                                                                                                                                                                                                                                                                                                       |       |                                                                                                       |                                                               |   |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b> PreEnterCCstateU11_23Timer(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                                                                                                                                             |       |                                                                                                       |                                                               |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                          |       |                                                                                                       |                                                               |   |          |
| <b>Objective:</b> To bring the MS into CC state U11 by procedure in table 26.8.1.2/3. This is used in CC testing.                                                                                                                                                                                                                 |       |                                                                                                       |                                                               |   |          |
| <b>Default:</b> OtherEvents                                                                                                                                                                                                                                                                                                       |       |                                                                                                       |                                                               |   |          |
| <b>Comments:</b> TCV_TIO contains the transaction identifier from the MS, and TCV_TI contains the transaction identifier for test system to send CC message. The values of them are used in test body. The calling tree shall prepare two variables for the step: TCV_ch for the SDCCH4 subchannel; TCV_CphKey for ciphering key. |       |                                                                                                       |                                                               |   |          |
| Nr                                                                                                                                                                                                                                                                                                                                | Label | Behaviour Description                                                                                 | CRef                                                          | V | Comments |
| 1                                                                                                                                                                                                                                                                                                                                 |       | +PreEnterCCstateU4_23(acttype, slot, tsc, ta, babr, cch_con, bpm)                                     |                                                               |   |          |
| 2                                                                                                                                                                                                                                                                                                                                 |       | L!DL_DatRqConn                                                                                        | ConnSnd(TCV_chTch                                             |   |          |
| 3                                                                                                                                                                                                                                                                                                                                 |       | L?DL_DatInConnAck                                                                                     | Connect_02(TCV_TI))<br>ConnAckRcv(Connect<br>Ack_02(TCV_TIO)) |   |          |
| 4                                                                                                                                                                                                                                                                                                                                 |       | +TermCall                                                                                             |                                                               |   |          |
| 5                                                                                                                                                                                                                                                                                                                                 |       | L?DL_DatInDisc (TCV_Cau0 :=<br>DL_DatInDisc.msg.cau, TCV_Fn :=<br>DL_DatInDisc.fn) START T_dly(45000) | DiscRcv(TCV_chTch,<br>Disconn_05(TCV_TIO<br>)                 |   |          |
| 6                                                                                                                                                                                                                                                                                                                                 |       | +CCstatuschk_02(TCV_chTch, C_U11,<br>TCV_TI, TCV_TIO)                                                 |                                                               |   |          |
| <b>Detailed Comments:</b>                                                                                                                                                                                                                                                                                                         |       |                                                                                                       |                                                               |   |          |
| 1. To assign SDCCH4 channel.                                                                                                                                                                                                                                                                                                      |       |                                                                                                       |                                                               |   |          |
| 2. Full rate channel needed, to setup a physical channel as full rate traffic channel.                                                                                                                                                                                                                                            |       |                                                                                                       |                                                               |   |          |
| 3. Half rate channel needed, to setup a physical channel as half rate traffic channel.                                                                                                                                                                                                                                            |       |                                                                                                       |                                                               |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                       |                                         |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU11_24(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                             |                                         |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                            |                                         |   |          |
| <b>Objective:</b>           |       | To bring the MS into CC state U11 by procedure in table 26.8.1.2/4. This is used in CC testing.                                                                                       |                                         |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                           |                                         |   |          |
| <b>Comments:</b>            |       | TCV_TI0 contains the transaction identifier from the MS, and TCV_TI contains the transaction identifier for test system to send CC message. The values of them are used in test body. |                                         |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                 | CRef                                    | V | Comments |
| 1                           |       | +PreEnterCCstateU4_24(acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                     |                                         |   |          |
| 2                           |       | LIDL_DatRqConn                                                                                                                                                                        | ConnSnd(TCV_chTch, Connect_02(TCV_TI))  |   |          |
| 3                           |       | L?DL_DatInConnAck                                                                                                                                                                     | ConnAckRcv(Connect Ack_02(TCV_TI0))     |   |          |
| 4                           |       | +TermCall                                                                                                                                                                             |                                         |   |          |
| 5                           |       | L?DL_DatInDisc                                                                                                                                                                        | DiscRcv(TCV_chTch, Disconn_05(TCV_TI0)) |   |          |
| 6                           |       | +CCstatuschk_02(TCV_chTch, C_U11, TCV_TI, TCV_TI0)                                                                                                                                    |                                         |   | 1.       |
| <b>Detailed Comments:</b>   |       | 1. Now in CC state U11 and cause = #30.                                                                                                                                               |                                         |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                           |                                        |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU12_21(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                                                                                                                                                                                                                 |                                        |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                                                                                |                                        |   |          |
| <b>Objective:</b>           |       | To bring the MS into CC state U12 by procedure in table 26.8.1.2/1. This is used in CC testing.                                                                                                                                                                                                                                                                           |                                        |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                                                                                               |                                        |   |          |
| <b>Comments:</b>            |       | The DISCONNECT message containing progress indicator #8. TCV_TI0 contains the transaction identifier from the MS, and TCV_TI contains the transaction identifier for test system to send CC message. The values of them are used in test body. The calling tree shall prepare two variables for the step: TCV_ch for the SDCCH4 subchannel; TCV_CphKey for ciphering key. |                                        |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                     | CRef                                   | V | Comments |
| 1                           |       | +PreEnterCCstateU10_21(acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                                                                                        |                                        |   |          |
| 2                           |       | LIDL_DatRqDisc                                                                                                                                                                                                                                                                                                                                                            | DiscSnd(TCV_chTch, Disconn_04(TCV_TI)) |   | 1.       |
| 3                           |       | +CCstatuschk_02(TCV_chTch, C_U12, TCV_TI, TCV_TI0)                                                                                                                                                                                                                                                                                                                        |                                        |   |          |
| <b>Detailed Comments:</b>   |       | 1. Progress indicator = #8.                                                                                                                                                                                                                                                                                                                                               |                                        |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                |                                        |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU12_22(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                                                                                      |                                        |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                     |                                        |   |          |
| <b>Objective:</b>           |       | To bring the MS into CC state U12 by procedure in table 26.8.1.2/2. This is used in CC testing.                                                                                                                                                |                                        |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                    |                                        |   |          |
| <b>Comments:</b>            |       | The DISCONNECT message containing progress indicator #8. TCV_TI0 contains the transaction identifier from the MS, and TCV_TI contains the transaction identifier for test system to send CC message. The values of them are used in test body. |                                        |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                          | CRef                                   | V | Comments |
| 1                           |       | +PreEnterCCstateU10_22(acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                                                             |                                        |   |          |
| 2                           |       | LIDL_DatRqDisc                                                                                                                                                                                                                                 | DiscSnd(TCV_chTch, Disconn_04(TCV_TI)) |   |          |
| 3                           |       | +CCstatuschk_02(TCV_chTch, C_U12, TCV_TI, TCV_TI0)                                                                                                                                                                                             |                                        |   | 1.       |
| <b>Detailed Comments:</b>   |       | 1. Now in CC state U12                                                                                                                                                                                                                         |                                        |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                                                           |                     |    |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----|----------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU12_23(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                                                                                                                                                                                                                 |                     |    |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                                                                                |                     |    |          |
| <b>Objective:</b>           |       | To bring the MS into CC state U12 by procedure in table 26.8.1.2/3. This is used in CC testing.                                                                                                                                                                                                                                                                           |                     |    |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                                                                                               |                     |    |          |
| <b>Comments:</b>            |       | The DISCONNECT message containing progress indicator #8. TCV_TI0 contains the transaction identifier from the MS, and TCV_TI contains the transaction identifier for test system to send CC message. The values of them are used in test body. The calling tree shall prepare two variables for the step: TCV_ch for the SDCCH4 subchannel; TCV_CphKey for ciphering key. |                     |    |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                                     | CRef                | V  | Comments |
| 1                           |       | +PreEnterCCstateU4_23(acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                                                                                         |                     |    |          |
| 2                           |       | L!DL_DatRqConn                                                                                                                                                                                                                                                                                                                                                            | ConnSnd(TCV_chTch   |    |          |
| 3                           |       | L?DL_DatInConnAck                                                                                                                                                                                                                                                                                                                                                         | Connect_02(TCV_TI)) |    |          |
| 4                           |       | LIDL_DatRqDisc                                                                                                                                                                                                                                                                                                                                                            | ConnAckRcv(Connect  |    |          |
| 5                           |       | +CCstatuschk_02(TCV_chTch, C_U12, TCV_TI, TCV_TI0)                                                                                                                                                                                                                                                                                                                        | Ack_02(TCV_TI0))    |    |          |
|                             |       |                                                                                                                                                                                                                                                                                                                                                                           | DiscSnd(TCV_chTch,  | 1. |          |
|                             |       |                                                                                                                                                                                                                                                                                                                                                                           | Disconn_04(TCV_TI)) |    |          |
| <b>Detailed Comments:</b>   |       | 1. Progress indicator = #8.                                                                                                                                                                                                                                                                                                                                               |                     |    |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                  |                     |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU19_21(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                                                                                                                                                        |                     |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                       |                     |   |          |
| <b>Objective:</b>           |       | To bring the MS into CC state U19 by procedure in table 26.8.1.2/1.                                                                                                                                                                                                                                              |                     |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                                      |                     |   |          |
| <b>Comments:</b>            |       | TCV_TI0 contains the transaction identifier from the MS, and TCV_TI contains the transaction identifier for test system to send CC message. The values of them are used in test body. The calling tree shall prepare two variables for the step: TCV_ch for the SDCCH4 subchannel; TCV_CphKey for ciphering key. |                     |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                            | CRef                | V | Comments |
| 1                           |       | +PreEnterCCstateU10_21(acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                                                               |                     |   |          |
| 2                           |       | L!DL_DatRqDisc                                                                                                                                                                                                                                                                                                   | DiscSnd(TCV_chTch,  |   |          |
| 3                           |       | L?DL_DatInRel                                                                                                                                                                                                                                                                                                    | Disconn_07(TCV_TI)) |   |          |
| 4                           |       | +CCstatuschk_02(TCV_chTch, C_U19, TCV_TI, TCV_TI0)                                                                                                                                                                                                                                                               | ReleaseRcv(Release  |   |          |
|                             |       |                                                                                                                                                                                                                                                                                                                  | _10(TCV_TI0))       |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                                                                                                  |                     |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                       |                                        |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU19_24(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                             |                                        |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                            |                                        |   |          |
| <b>Objective:</b>           |       | To bring the MS into CC state U19 by procedure in table 26.8.1.2/4. This is used in CC testing.                                                                                       |                                        |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                           |                                        |   |          |
| <b>Comments:</b>            |       | TCV_TIO contains the transaction identifier from the MS, and TCV_TI contains the transaction identifier for test system to send CC message. The values of them are used in test body. |                                        |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                 | CRef                                   | V | Comments |
| 1                           |       | +PreEnterCCstateU4_24(acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                     |                                        |   |          |
| 2                           |       | L!DL_DatRqConn                                                                                                                                                                        | ConnSnd(TCV_chTch, Connect_02(TCV_TI)) |   |          |
| 3                           |       | L?DL_DatInConnAck                                                                                                                                                                     | ConnAckRcv(Connect Ack_02(TCV_TIO))    |   |          |
| 4                           |       | L!DL_DatRqDisc                                                                                                                                                                        | DiscSnd(TCV_chTch, Disconn_07(TCV_TI)) |   |          |
| 5                           |       | L?DL_DatInRel (TCV_Fn := DL_DatInRel.fn)                                                                                                                                              | ReleaseRcv(Release_10(TCV_TIO))        |   |          |
| 6                           |       | +CCstatuschk_02(TCV_chTch, C_U19, TCV_TI, TCV_TIO)                                                                                                                                    |                                        |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                       |                                        |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                       |                                        |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | PreEnterCCstateU19_24Timer(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; babr, cch_con, bpm:B_3)                                                                                        |                                        |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                            |                                        |   |          |
| <b>Objective:</b>           |       | To bring the MS into CC state U19 by procedure in table 26.8.1.2/4. This is used in CC testing.                                                                                       |                                        |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                           |                                        |   |          |
| <b>Comments:</b>            |       | TCV_TIO contains the transaction identifier from the MS, and TCV_TI contains the transaction identifier for test system to send CC message. The values of them are used in test body. |                                        |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                 | CRef                                   | V | Comments |
| 1                           |       | +PreEnterCCstateU4_24(acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                     |                                        |   |          |
| 2                           |       | L!DL_DatRqConn                                                                                                                                                                        | ConnSnd(TCV_chTch, Connect_02(TCV_TI)) |   |          |
| 3                           |       | L?DL_DatInConnAck                                                                                                                                                                     | ConnAckRcv(Connect Ack_02(TCV_TIO))    |   |          |
| 4                           |       | L!DL_DatRqDisc                                                                                                                                                                        | DiscSnd(TCV_chTch, Disconn_07(TCV_TI)) |   |          |
| 5                           |       | L?DL_DatInRel (TCV_Fn := DL_DatInRel.fn)<br>START T_dly(45000)                                                                                                                        | ReleaseRcv(Release_10(TCV_TIO))        |   |          |
| 6                           |       | +CCstatuschk_02(TCV_chTch, C_U19, TCV_TI, TCV_TIO)                                                                                                                                    |                                        |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                       |                                        |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                      |                                                       |   |                         |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|---|-------------------------|
| <b>Test Step Name:</b>      |       | PreEstRRConn(slot:SN; tsc:TSC; ta:TA)                                                                                                                |                                                       |   |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                           |                                                       |   |                         |
| <b>Objective:</b>           |       | To establish a RR connection on SDCCH subchannel defined by TSPX_SDCCH4SubDef in cell A                                                              |                                                       |   |                         |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                          |                                                       |   |                         |
| <b>Comments:</b>            |       | The calling tree shall prepare variable for the step: TCV_ch for the SDCCH4 subchannel TSPX_SDCCH4SubDef. This test step is used for non RR testing. |                                                       |   |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                | CRef                                                  | V | Comments                |
| 1                           |       | +CCCH_group_Paging_group(TCV_Ccd0A, TSPX_IMSI)                                                                                                       |                                                       |   |                         |
| 2                           |       | L!DL_UdatRqPg1Rq                                                                                                                                     | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_01)                |   |                         |
| 3                           |       | L?DL_RacInChRq ( TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn)                                                                     | ChReq_01                                              |   |                         |
| 4                           |       | ACTIVATE(OtherEvents_02)                                                                                                                             |                                                       |   | To match ChReq retrans. |
| 5                           |       | L!DL_UdatRqImm                                                                                                                                       | ImmAss_01Def(TCV_agch, TCV_Rr, TCV_Fn, slot, tsc, ta) |   |                         |
| 6                           |       | L?DL_EstInPgRes                                                                                                                                      | PgRes_01                                              |   |                         |
| 7                           |       | ACTIVATE(OtherEvents)                                                                                                                                |                                                       |   | Restore Normal default  |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                      |                                                       |   |                         |

| Test Step Dynamic Behaviour |       |                                                                                  |                                                                        |     |                         |
|-----------------------------|-------|----------------------------------------------------------------------------------|------------------------------------------------------------------------|-----|-------------------------|
| <b>Test Step Name:</b>      |       | PreEstRRConn_MM(par_mi:MI; cksn: BITSTRING; ccd: CCD; ta:TA)                     |                                                                        |     |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                       |                                                                        |     |                         |
| <b>Objective:</b>           |       | To establish a RR connection on C_SDCCH4_A_1                                     |                                                                        |     |                         |
| <b>Default:</b>             |       | OtherEvents                                                                      |                                                                        |     |                         |
| <b>Comments:</b>            |       | used var's:<br>TCV_Rr, TCV_Fn, TCV_Pgch, TCV_ia_ts, TCV_chdescr_arfcn            |                                                                        |     |                         |
| Nr                          | Label | Behaviour Description                                                            | CRef                                                                   | V   | Comments                |
| 1                           |       | +CCCH_group_Paging_group(ccd, TSPX_IMSI)                                         |                                                                        |     |                         |
| 2                           |       | L!DL_UdatRqPg1Rq                                                                 | PgReq1(TCV_PgCh, TCV_Pgg, PgReqTp1_30(par_mi))                         |     |                         |
| 3                           |       | L?DL_RacInChRq ( TCV_Rr := DL_RacInChRq.msg.ecau_rrf, TCV_Fn := DL_RacInChRq.fn) | ChReq_01                                                               |     |                         |
| 4                           |       | ACTIVATE(OtherEvents_02)                                                         |                                                                        |     | To match ChReq retrans. |
| 5                           |       | L!DL_UdatRqImm                                                                   | ImmAss_25( TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, ta) |     |                         |
| 6                           |       | L?DL_EstInPgRes                                                                  | PgRes_30(par_mi, cksn)                                                 | (P) |                         |
| 7                           |       | ACTIVATE(OtherEvents)                                                            |                                                                        |     | Restore Normal default  |
| <b>Detailed Comments:</b>   |       |                                                                                  |                                                                        |     |                         |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                     |                                             |   |                         |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---|-------------------------|
| <b>Test Step Name:</b>      |       | PreModifySetup(acttype:BITSTRING; slot:SN; tsc:TSC; t, retr, att:INTEGER; acttypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3; t3212:OCTETSTRING) |                                             |   |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                          |                                             |   |                         |
| <b>Objective:</b>           |       | To setup dual mode call and initiate MO incall modification. This is used in CC test group 26.8.1.4.5.                                                              |                                             |   |                         |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                         |                                             |   |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                               | CRef                                        | V | Comments                |
| 1                           |       | +PreCCSetup(acttype, slot, tsc, t, retr, att, ta, babr, cch_con, bpm, t3212)                                                                                        |                                             |   |                         |
| 2                           |       | +AttmpDualModeCall                                                                                                                                                  |                                             |   | 1.                      |
| 3                           |       | +BasicServiceMO(TSPX_MO_BscSvc_DualModeCall, TSPX_MO_rate_DualModeCall)                                                                                             |                                             |   |                         |
| 4                           |       | +CCEstablishMO_SDCCH4(ta)                                                                                                                                           |                                             |   |                         |
| 5                           |       | ACTIVATE(OtherEvents_02)                                                                                                                                            |                                             |   | To match ChReq retrans. |
| 6                           |       | L?DL_EstInCmsRq                                                                                                                                                     | CMSerReq(CMServiceReq_04)                   |   |                         |
| 7                           |       | ACTIVATE(OtherEvents)                                                                                                                                               |                                             |   | Restore Normal default  |
| 8                           |       | +CCStartCipher(TCV_ch)                                                                                                                                              |                                             |   |                         |
| 9                           |       | +SetupRcvMo1(SetupInd_02)                                                                                                                                           |                                             |   |                         |
| 10                          |       | +CCAAuthenticate(TCV_ch)                                                                                                                                            |                                             |   |                         |
| 11                          |       | L!DL_DatRqCallProc                                                                                                                                                  | CallProc(TCV_ch, TCV_CallProc)              |   |                         |
| 12                          |       | +CCAssignTCH(acttypeT, slotT, tscT, ta, babr, cch_con, bpm)                                                                                                         |                                             |   |                         |
| 13                          |       | L!DL_DatRqAlert                                                                                                                                                     | AlertSnd(TCV_chTch, Alerting_01(TCV_TI))    |   |                         |
| 14                          |       | L!DL_DatRqConn                                                                                                                                                      | ConnSnd(TCV_chTch, Connect_02(TCV_TI))      |   |                         |
| 15                          |       | L?DL_DatInConnAck                                                                                                                                                   | ConnAckRcv(ConnectAck_02(TCV_TI0))          |   |                         |
| 16                          |       | +InCallModi1(TSPX_MO_BscSvc_DualModeCall)                                                                                                                           |                                             |   | 2.                      |
| 17                          |       | L?DL_DatInModify(TCV_Fn := DL_DatInModify.fn, TCV_Modify := DL_DatInModify.msg)                                                                                     | ModifyRcv(ModifyInd_01(TCV_TI0, TCV_Bcap2)) |   | 3.                      |
| <b>Detailed Comments:</b>   |       | 1. To attempt a dual mode call.<br>2. MMI action to initiate in-call modification.<br>3. The expected MODIFY message received.                                      |                                             |   |                         |



| Test Step Dynamic Behaviour |       |                                                                                                                                                                        |                                                     |   |                         |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|---|-------------------------|
| <b>Test Step Name:</b>      |       | PreModifySetupTimer(actype:BITSTRING; slot:SN; tsc:TSC; t, retr, att:INTEGER; actypeT:BITSTRING; slotT:SN; tscT:TSC; ta:TA; babr, cch_con, bpm:B_3; t3212:OCTETSTRING) |                                                     |   |                         |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                             |                                                     |   |                         |
| <b>Objective:</b>           |       | To setup dual mode call and initiate MO incall modification. This is used in CC test group 26.8.1.4.5.                                                                 |                                                     |   |                         |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                            |                                                     |   |                         |
| Nr                          | Label | Behaviour Description                                                                                                                                                  | CRef                                                | V | Comments                |
| 1                           |       | +PreCCSetup(actype, slot, tsc, t, retr, att, ta, babr, cch_con, bpm, t3212)                                                                                            |                                                     |   |                         |
| 2                           |       | +AttmpDualModeCall                                                                                                                                                     |                                                     |   | 1.                      |
| 3                           |       | +BasicServiceMO(TSPX_MO_BscSvc_DualModeCall, TSPX_MO_rate_DualModeCall)                                                                                                |                                                     |   |                         |
| 4                           |       | +CCEstablishMO_SDCCH4(ta)                                                                                                                                              |                                                     |   |                         |
| 5                           |       | ACTIVATE(OtherEvents_02)                                                                                                                                               |                                                     |   | To match ChReq retrans. |
| 6                           |       | L?DL_EstInCmsRq                                                                                                                                                        | CMSerReq(CMServic<br>eReq_04)                       |   |                         |
| 7                           |       | ACTIVATE(OtherEvents)                                                                                                                                                  |                                                     |   | Restore Normal default  |
| 8                           |       | +ltree_continue                                                                                                                                                        |                                                     |   |                         |
| <b>ltree_continue</b>       |       |                                                                                                                                                                        |                                                     |   |                         |
| 9                           |       | +CCStartCipher(TCV_ch)                                                                                                                                                 |                                                     |   |                         |
| 10                          |       | +SetupRcvMo1(SetupInd_02)                                                                                                                                              |                                                     |   |                         |
| 11                          |       | +CCAuthenticate(TCV_ch)                                                                                                                                                |                                                     |   |                         |
| 12                          |       | LIDL_DatRqCallProc                                                                                                                                                     | CallProc(TCV_ch,<br>TCV_CallProc)                   |   |                         |
| 13                          |       | +CCAssignTCH(actypeT, slotT, tscT, ta, babr, cch_con, bpm)                                                                                                             |                                                     |   |                         |
| 14                          |       | LIDL_DatRqAlert                                                                                                                                                        | AlertSnd(TCV_chTch,<br>Alerting_01(TCV_TI))         |   |                         |
| 15                          |       | LIDL_DatRqConn                                                                                                                                                         | ConnSnd(TCV_chTch<br>,<br>Connect_02(TCV_TI))       |   |                         |
| 16                          |       | L?DL_DatInConnAck                                                                                                                                                      | ConnAckRcv(Connect<br>Ack_02(TCV_TIO))              |   |                         |
| 17                          |       | +InCallModi1(<br>TSPX_MO_BscSvc_DualModeCall)                                                                                                                          |                                                     |   | 2.                      |
| 18                          |       | L?DL_DatInModify (TCV_Fn :=<br>DL_DatInModify.fn, TCV_Modify :=<br>DL_DatInModify.msg) START<br>T_dly(45000)                                                           | ModifyRcv(<br>ModifyInd_01(TCV_TI<br>0, TCV_Bcap2)) |   | 3.                      |
| <b>Detailed Comments:</b>   |       | 1. To attempt a dual mode call.<br>2. MMI action to initiate in-call modification.<br>3. The expected MODIFY message received.                                         |                                                     |   |                         |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                           |                                                                                                                                                               |   |                        |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---|------------------------|
| <b>Test Step Name:</b>      |       | StartCellA_CBMS(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                       |                                                                                                                                                               |   |                        |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                |                                                                                                                                                               |   |                        |
| <b>Objective:</b>           |       | To setup a physical channel as combined BCCH, CCCH and SDCCH4. CBCH replaces SDCCH number 2 for the CBSMS. Then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters of cell A. |                                                                                                                                                               |   |                        |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                               |                                                                                                                                                               |   |                        |
| <b>Comments:</b>            |       | Default parameter.<br>IMSI attach detach is not allowed. Cell A is belonging to PLMN1.                                                                                                                    |                                                                                                                                                               |   |                        |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                     | CRef                                                                                                                                                          | V | Comments               |
| 1                           |       | (TCV_Tx := '0010'B, TCV_Max := '00'B, TCV_Neci := '0'B, TCV_Ccd0A := CntrlChDscrp(att, babr, cch_con, bpm, t3212))                                                                                        |                                                                                                                                                               |   |                        |
| 2                           |       | +CombinedBCCH_A_CBMS(acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                          |                                                                                                                                                               |   |                        |
| 3                           |       | +sysinfo                                                                                                                                                                                                  |                                                                                                                                                               |   |                        |
| 4                           |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                                                              |                                                                                                                                                               |   |                        |
| 5                           |       | +WaitForInService                                                                                                                                                                                         |                                                                                                                                                               |   |                        |
|                             |       | <b>sysinfo</b>                                                                                                                                                                                            |                                                                                                                                                               |   |                        |
| 6                           |       | L!DL_UdatRqSchinfo                                                                                                                                                                                        | SyncInfo(C_SCH_A)                                                                                                                                             |   |                        |
| 7                           |       | (TCV_sysinfo6 := SysInf6(C_ci_cellA, C_PLMN_1, C_lacellA, CellOpt_01))                                                                                                                                    |                                                                                                                                                               |   |                        |
| 8                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                  |                                                                                                                                                               |   |                        |
| 9                           |       | L!DL_UdatRqSysinfo4                                                                                                                                                                                       | SysInfo4_CBMS(C_BCCH_A_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment, ChDescrp_29)                    |   | acc. GSM 11.10, 34.3.3 |
| 10                          |       | L!DL_UdatRqSysinfo2                                                                                                                                                                                       | SysInfo2(C_BCCH_A_1, BchFreqLst_01, TCV_Max, TCV_Tx, C_Restablishment)                                                                                        |   |                        |
| 11                          |       | (TCV_sysinfo5 := SysInf5(BchFreqLst_01))                                                                                                                                                                  |                                                                                                                                                               |   |                        |
| 12                          |       | L!DL_UdatRqSysinfo1_nh                                                                                                                                                                                    | SysInfo1_nh(C_BCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment) |   |                        |
| 13                          |       | L!DL_UdatRqSysinfo3                                                                                                                                                                                       | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment)   |   |                        |
| 14                          |       | [TSPC_DCS]                                                                                                                                                                                                |                                                                                                                                                               |   |                        |
| 15                          |       | L!DL_UdatRqSysinfo4                                                                                                                                                                                       | SysInfo4_CBMS(C_BCCH_A_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max,                                                           |   | acc. GSM 11.10, 34.3.3 |

|                           |                                              |                                                                                                                                                                                               |
|---------------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 16                        | LIDL_UdatRqSysinfo2                          | TCV_Tx,<br>C_Restablishment,<br>ChDescrp_30)                                                                                                                                                  |
| 17                        | (TCV_sysinfo5 :=<br>SysInf5(BcchFreqLst_48)) | SysInfo2(C_BCCH_A<br>_1, BcchFreqLst_48,<br>TCV_Max, TCV_Tx,<br>C_Restablishment)                                                                                                             |
| 18                        | LIDL_UdatRqSysinfo1_nh                       | SysInfo1_nh(C_BCC<br>H_A_1, C_ci_cellA,<br>C_PLMN_1,<br>C_lacellA,<br>TCV_Ccd0A,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvID,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_Restablishment) |
| 19                        | LIDL_UdatRqSysinfo3                          | SysInfo3(C_BCCH_A<br>_1, C_ci_cellA,<br>C_PLMN_1,<br>C_lacellA,<br>TCV_Ccd0A,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvID,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_Restablishment)    |
| <b>Detailed Comments:</b> |                                              |                                                                                                                                                                                               |

| Test Step Dynamic Behaviour                                                                                                                                                    |       |                                                                                                                                                                |      |   |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> StartCellA(actype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                           |       |                                                                                                                                                                |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Preambles/                                                                                                                                       |       |                                                                                                                                                                |      |   |          |
| <b>Objective:</b> To setup a physical channel as combined BCCH, CCCH and SDCCH4 then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters of cell A. |       |                                                                                                                                                                |      |   |          |
| <b>Default:</b> OtherEvents                                                                                                                                                    |       |                                                                                                                                                                |      |   |          |
| <b>Comments:</b> IMSI attach/detach not allowed (ATT=0).                                                                                                                       |       |                                                                                                                                                                |      |   |          |
| Nr                                                                                                                                                                             | Label | Behaviour Description                                                                                                                                          | CRef | V | Comments |
| 1                                                                                                                                                                              |       | +CombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, actype,slot,tsc, ta, babr, cch_con, bpm)                                                                       |      |   |          |
| 2                                                                                                                                                                              |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                       |      |   |          |
| 3                                                                                                                                                                              |       | +SysInfoSending_MM_A( BcchFreqLst_01, C_ci_cellA, LocAreaId_01, CntrlChDscrp(att, babr, cch_con, bpm, t3212), CellSelPara_01, CellChDes_02, RachCntrlPara_r01) |      |   |          |
| 4                                                                                                                                                                              |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                   |      |   |          |
| 5                                                                                                                                                                              |       | [TSPC_DCS]                                                                                                                                                     |      |   |          |
| 6                                                                                                                                                                              |       | +SysInfoSending_MM_A( BcchFreqLst_48, C_ci_cellA, LocAreaId_01, CntrlChDscrp(att, babr, cch_con, bpm, t3212), CellSelPara_04, CellChDes_03, RachCntrlPara_r01) |      |   |          |
| 7                                                                                                                                                                              |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                   |      |   |          |
| <b>Detailed Comments:</b>                                                                                                                                                      |       |                                                                                                                                                                |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                |                                                                                                                                                               |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | StartCellA_1(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                                                               |                                                                                                                                                               |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                     |                                                                                                                                                               |   |          |
| <b>Objective:</b>           |       | To set up a physical channel with parameters different from default and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell A, then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters of cell A. |                                                                                                                                                               |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                    |                                                                                                                                                               |   |          |
| <b>Comments:</b>            |       | MNC = '03'O, power level = 38 dBuV are different from defaults.                                                                                                                                                                                                |                                                                                                                                                               |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                          | Cref                                                                                                                                                          | V | Comments |
| 1                           |       | (TCV_Tx := '0010'B, TCV_Max := '00'B, TCV_Neci := '0'B, TCV_Ccd0A := CntrlChDscrp(att, babr, cch_con, bpm, t3212))                                                                                                                                             |                                                                                                                                                               |   |          |
| 2                           |       | +CombinedBCCH_A(38, FreqBCCHa_rg, FreqBCCHa_rd, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                                                    |                                                                                                                                                               |   |          |
| 3                           |       | +sysinfo                                                                                                                                                                                                                                                       |                                                                                                                                                               |   |          |
| 4                           |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                                                                                                                   |                                                                                                                                                               |   |          |
| 5                           |       | +WaitForInService                                                                                                                                                                                                                                              |                                                                                                                                                               |   |          |
|                             |       | <b>sysinfo</b>                                                                                                                                                                                                                                                 |                                                                                                                                                               |   |          |
| 6                           |       | LIDL_UdatRqSchinfo                                                                                                                                                                                                                                             | SyncInfo(C_SCH_A)                                                                                                                                             |   |          |
| 7                           |       | (TCV_sysinfo6 := SysInf6(C_ci_cellA, C_PLMN_3, C_lacellA, CellOpt_01))                                                                                                                                                                                         |                                                                                                                                                               |   |          |
| 8                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                       |                                                                                                                                                               |   |          |
| 9                           |       | LIDL_UdatRqSysinfo4                                                                                                                                                                                                                                            | SysInfo4(C_BCCH_A_1, C_PLMN_3, C_lacellA, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment)                                      |   |          |
| 10                          |       | LIDL_UdatRqSysinfo2                                                                                                                                                                                                                                            | SysInfo2(C_BCCH_A_1, BcchFreqLst_01, TCV_Max, TCV_Tx, C_Restablishment)                                                                                       |   |          |
| 11                          |       | (TCV_sysinfo5 := SysInf5(BcchFreqLst_45))                                                                                                                                                                                                                      |                                                                                                                                                               |   |          |
| 12                          |       | LIDL_UdatRqSysinfo1_nh                                                                                                                                                                                                                                         | SysInfo1_nh(C_BCH_A_1, C_ci_cellA, C_PLMN_3, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment) |   |          |
| 13                          |       | LIDL_UdatRqSysinfo3                                                                                                                                                                                                                                            | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_3, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment)   |   |          |
| 14                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                     |                                                                                                                                                               |   |          |
| 15                          |       | LIDL_UdatRqSysinfo4                                                                                                                                                                                                                                            | SysInfo4(C_BCCH_A_1, C_PLMN_3, C_lacellA, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment)                                      |   |          |
| 16                          |       | LIDL_UdatRqSysinfo2                                                                                                                                                                                                                                            | SysInfo2(C_BCCH_A                                                                                                                                             |   |          |

|    |                                              |                                                                                                                                                                                               |
|----|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 17 | (TCV_sysinfo5 :=<br>SysInf5(BcchFreqLst_03)) | _1, BcchFreqLst_03,<br>TCV_Max, TCV_Tx,<br>C_Restablishment)                                                                                                                                  |
| 18 | LIDL_UdatRqSysinfo1_nh                       | SysInfo1_nh(C_BCC<br>H_A_1, C_ci_cellA,<br>C_PLMN_3,<br>C_lacellA,<br>TCV_Ccd0A,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvID,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_Restablishment) |
| 19 | LIDL_UdatRqSysinfo3                          | SysInfo3(C_BCCH_A<br>_1, C_ci_cellA,<br>C_PLMN_3,<br>C_lacellA,<br>TCV_Ccd0A,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvID,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_Restablishment)    |

Detailed Comments:

**Test Step Dynamic Behaviour**

**Test Step Name:** StartCellA\_2(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch\_con, bpm:B\_3; t3212:OCTETSTRING)  
**Group:** GSM\_L3\_MS\_v4160/Preambles/  
**Objective:** To setup a physical channel as combined BCCH, CCCH and SDCCH4 then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters of cell A.  
**Default:** OtherEvents  
**Comments:** IMSI attach/detach not allowed (ATT=0).

| Nr | Label | Behaviour Description                                                                                                                                            | CRef | V | Comments |
|----|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| 1  |       | +CombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, acttype,slot,tsc, ta, babr, cch_con, bpm)                                                                        |      |   |          |
| 2  |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                         |      |   |          |
| 3  |       | +SysInfoSending_MM_A( BcchFreqLst_45, C_ci_cellA, LocAreaId_01, CntrlChDscrp(0, '000'B, '001'B, '011'B, '00'O), CellSelPara_01, CellChDes_02, RachCntrlPara_r01) |      |   |          |
| 4  |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                     |      |   |          |
| 5  |       | [TSPC_DCS]                                                                                                                                                       |      |   |          |
| 6  |       | +SysInfoSending_MM_A( BcchFreqLst_03, C_ci_cellA, LocAreaId_01, CntrlChDscrp(0, '000'B, '001'B, '011'B, '00'O), CellSelPara_04, CellChDes_03, RachCntrlPara_r01) |      |   |          |
| 7  |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                     |      |   |          |

Detailed Comments: 1. CCCH combined with SDCCH, Tx-integer = 5, Max-retrans = 1, ATT = 0.

| Test Step Dynamic Behaviour |       |                                                                                                                                                              |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | StartCellA_MM1(acttype:BITSTRING; slot:SN; tsc:TSC; att:INTEGER; ta:TA; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                           |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                   |      |   |          |
| <b>Objective:</b>           |       | To setup a physical channel as combined BCCH, CCCH and SDCCH4 then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters of cell A. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                  |      |   |          |
| <b>Comments:</b>            |       | IMSI attach/detach allowed (ATT=1).                                                                                                                          |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                        | CRef | V | Comments |
| 1                           |       | +CombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, acttype,slot,tsc, ta, babr, cch_con, bpm)                                                                    |      |   |          |
| 2                           |       | +SysInfoSending_m1(att, babr, cch_con, bpm, t3212)                                                                                                           |      |   |          |
| 3                           |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                 |      |   |          |
| 4                           |       | +WaitForInService                                                                                                                                            |      |   |          |
| <b>Detailed Comments:</b>   |       | 1. CCCH combined with SDCCH, Tx-integer = 5, Max-retrans = 1, ATT = 1.                                                                                       |      |   |          |

| <b>Test Step Dynamic Behaviour</b>                                                                                                                        |       |                                                                                                                                                                    |                                                                                                                                                                 |   |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b> StartCellA_MM2(actype:BITSTRING; slot:SN; tsc:TSC; t, retr, att, neci:INTEGER; ta:TA; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)   |       |                                                                                                                                                                    |                                                                                                                                                                 |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Preambles/                                                                                                                  |       |                                                                                                                                                                    |                                                                                                                                                                 |   |          |
| <b>Objective:</b> Exact same procedure StartCellA_MM1 with except the used LAC-value.                                                                     |       |                                                                                                                                                                    |                                                                                                                                                                 |   |          |
| <b>Default:</b> OtherEvents                                                                                                                               |       |                                                                                                                                                                    |                                                                                                                                                                 |   |          |
| <b>Comments:</b> LAC-Change from C_cellacA to C_cellacB!<br>with following parameters CCCH combined with SDCCH, Tx-integer = 5, Max-retrans = 1, ATT = 1. |       |                                                                                                                                                                    |                                                                                                                                                                 |   |          |
| Nr                                                                                                                                                        | Label | Behaviour Description                                                                                                                                              | CRef                                                                                                                                                            | V | Comments |
| 1                                                                                                                                                         |       | +CombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, actype,slot,tsc, ta, babr, cch_con, bpm)                                                                           |                                                                                                                                                                 |   |          |
| 2                                                                                                                                                         |       | +sysinfo                                                                                                                                                           |                                                                                                                                                                 |   |          |
| 3                                                                                                                                                         |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                       |                                                                                                                                                                 |   |          |
| 4                                                                                                                                                         |       | <b>sysinfo</b><br>(TCV_Tx := OC_CnvtTx(t), TCV_Max := OC_CnvtMax(retr), TCV_Neci := INT_TO_BIT(neci,1), TCV_Ccd0A := CntrlChDscrp(att, babr, cch_con, bpm, t3212)) |                                                                                                                                                                 |   |          |
| 5                                                                                                                                                         |       | (TCV_sysinfo6 := SysInf6(C_ci_cellA, C_PLMN_1, C_lacellB, CellOpt_01))                                                                                             |                                                                                                                                                                 |   |          |
| 6                                                                                                                                                         |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                           |                                                                                                                                                                 |   | 1.       |
| 7                                                                                                                                                         |       | LIDL_UdatRqSysinfo4                                                                                                                                                | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellB, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                      |   |          |
| 8                                                                                                                                                         |       | LIDL_UdatRqSysinfo2                                                                                                                                                | SysInfo2(C_BCCH_A_1, BcchFreqLst_01, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                       |   |          |
| 9                                                                                                                                                         |       | (TCV_sysinfo5 := SysInf5(BcchFreqLst_01))                                                                                                                          |                                                                                                                                                                 |   |          |
| 10                                                                                                                                                        |       | LIDL_UdatRqSysinfo1_nh                                                                                                                                             | SysInfo1_nh(C_BCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellB, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| 11                                                                                                                                                        |       | LIDL_UdatRqSysinfo3                                                                                                                                                | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellB, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)   |   | 3.       |
| 12                                                                                                                                                        |       | [TSPC_DCS]                                                                                                                                                         |                                                                                                                                                                 |   | 2.       |
| 13                                                                                                                                                        |       | LIDL_UdatRqSysinfo4                                                                                                                                                | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellB, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                      |   |          |
| 14                                                                                                                                                        |       | LIDL_UdatRqSysinfo2                                                                                                                                                | SysInfo2(C_BCCH_A_1, BcchFreqLst_48, TCV_Max, TCV_Tx,                                                                                                           |   |          |

|                                                                                                                 |                                              |                                                                                                                                                                                                 |  |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 15                                                                                                              | (TCV_sysinfo5 :=<br>SysInf5(BcchFreqLst_48)) | C_noRestablishment)                                                                                                                                                                             |  |
| 16                                                                                                              | LIDL_UdatRqSysinfo1_nh                       | SysInfo1_nh(C_BCC<br>H_A_1, C_ci_cellA,<br>C_PLMN_1,<br>C_lacellB,<br>TCV_Ccd0A,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvID,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noRestablishment) |  |
| 17                                                                                                              | LIDL_UdatRqSysinfo3                          | SysInfo3(C_BCCH_A<br>_1, C_ci_cellA,<br>C_PLMN_1,<br>C_lacellB,<br>TCV_Ccd0A,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvID,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noRestablishment)    |  |
| <b>Detailed Comments:</b>                                                                                       |                                              |                                                                                                                                                                                                 |  |
| 1. For GSM900 mobile station testing.<br>2. For DCS1800 mobile station testing.<br>3. CCCH combined with SDCCH. |                                              |                                                                                                                                                                                                 |  |

### Test Step Dynamic Behaviour

| <b>Test Step Name:</b> StartCellA_MM3(actype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                  |       |                                                                                                                                                                |                   |   |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---|----------|
| <b>Group:</b> GSM_L3_MS_v4160/Preambles/                                                                                                                                                  |       |                                                                                                                                                                |                   |   |          |
| <b>Objective:</b> To setup a physical channel as combined BCCH, CCCH and SDCCH4 then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters of cell A.            |       |                                                                                                                                                                |                   |   |          |
| <b>Default:</b> OtherEvents                                                                                                                                                               |       |                                                                                                                                                                |                   |   |          |
| <b>Comments:</b> IMSI attach detach is allowed. Cell A is belonging to PLMN1.<br>T3212 value is set to 5/10 hours.<br>CCCH combined with SDCCH, Tx-integer = 5, Max-retrans = 1, ATT = 1. |       |                                                                                                                                                                |                   |   |          |
| Nr                                                                                                                                                                                        | Label | Behaviour Description                                                                                                                                          | CRef              | V | Comments |
| 1                                                                                                                                                                                         |       | +CombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, actype,slot,tsc, ta, babr, cch_con, bpm)                                                                       |                   |   |          |
| 2                                                                                                                                                                                         |       | LIDL_UdatRqSchinfo                                                                                                                                             | SyncInfo(C_SCH_A) |   |          |
| 3                                                                                                                                                                                         |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                       |                   |   | 1.       |
| 4                                                                                                                                                                                         |       | +SysInfoSending_MM_A( BcchFreqLst_01, C_ci_cellA, LocAreald_01, CntrlChDscrp(att, babr, cch_con, bpm, t3212), CellSelPara_01, CellChDes_02, RachCntrlPara_r01) |                   |   |          |
| 5                                                                                                                                                                                         |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                   |                   |   |          |
| 6                                                                                                                                                                                         |       | +WaitForInService                                                                                                                                              |                   |   |          |
| 7                                                                                                                                                                                         |       | [TSPC_DCS]                                                                                                                                                     |                   |   | 2.       |
| 8                                                                                                                                                                                         |       | +SysInfoSending_MM_A( BcchFreqLst_48, C_ci_cellA, LocAreald_01, CntrlChDscrp(att, babr, cch_con, bpm, t3212), CellSelPara_04, CellChDes_03, RachCntrlPara_r01) |                   |   |          |
| 9                                                                                                                                                                                         |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                   |                   |   |          |
| 10                                                                                                                                                                                        |       | +WaitForInService                                                                                                                                              |                   |   |          |
| <b>Detailed Comments:</b>                                                                                                                                                                 |       |                                                                                                                                                                |                   |   |          |
| 1. For GSM900 mobile station testing.<br>2. For DCS1800 mobile station testing.                                                                                                           |       |                                                                                                                                                                |                   |   |          |



| Test Step Dynamic Behaviour                                                                                                                                                               |       |                                                                                                                                                                |                   |   |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---|----------|
| <b>Test Step Name:</b> StartCellA_MM4(actype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                  |       |                                                                                                                                                                |                   |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Preambles/                                                                                                                                                  |       |                                                                                                                                                                |                   |   |          |
| <b>Objective:</b> To setup a physical channel as combined BCCH, CCCH and SDCCH4 then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters of cell A.            |       |                                                                                                                                                                |                   |   |          |
| <b>Default:</b> OtherEvents                                                                                                                                                               |       |                                                                                                                                                                |                   |   |          |
| <b>Comments:</b> IMSI attach detach is allowed. Cell A is belonging to PLMN1.<br>T3212 value is set to 2/10 hours.<br>CCCH combined with SDCCH, Tx-integer = 5, Max-retrans = 1, ATT = 0. |       |                                                                                                                                                                |                   |   |          |
| Nr                                                                                                                                                                                        | Label | Behaviour Description                                                                                                                                          | CRef              | V | Comments |
| 1                                                                                                                                                                                         |       | +CombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, actype,slot,tsc, ta, babr, cch_con, bpm)                                                                       |                   |   |          |
| 2                                                                                                                                                                                         |       | L!DL_UdatRqSchinfo                                                                                                                                             | SyncInfo(C_SCH_A) |   |          |
| 3                                                                                                                                                                                         |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                       |                   |   | 1.       |
| 4                                                                                                                                                                                         |       | +SysInfoSending_MM_A( BcchFreqLst_01, C_ci_cellA, LocAreald_01, CntrlChDscrp(att, babr, cch_con, bpm, t3212), CellSelPara_01, CellChDes_02, RachCntrlPara_r01) |                   |   |          |
| 5                                                                                                                                                                                         |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                   |                   |   |          |
| 6                                                                                                                                                                                         |       | +WaitForInService                                                                                                                                              |                   |   |          |
| 7                                                                                                                                                                                         |       | [TSPC_DCS]                                                                                                                                                     |                   |   | 2.       |
| 8                                                                                                                                                                                         |       | +SysInfoSending_MM_A( BcchFreqLst_48, C_ci_cellA, LocAreald_01, CntrlChDscrp(att, babr, cch_con, bpm, t3212), CellSelPara_04, CellChDes_03, RachCntrlPara_r01) |                   |   |          |
| 9                                                                                                                                                                                         |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                   |                   |   |          |
| 10                                                                                                                                                                                        |       | +WaitForInService                                                                                                                                              |                   |   |          |
| <b>Detailed Comments:</b> 1. For GSM900 mobile station testing.<br>2. For DCS1800 mobile station testing.                                                                                 |       |                                                                                                                                                                |                   |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                        |             |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---|----------|
| <b>Test Step Name:</b>      |       | StartCellA_MM5(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                     |             |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                             |             |   |          |
| <b>Objective:</b>           |       | To setup a physical channel as combined BCCH, CCCH and SDCCH4 then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters of cell A.           |             |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                            |             |   |          |
| <b>Comments:</b>            |       | IMSI attach detach is allowed. Cell A is belonging to PLMN1.<br>T3212 value is set to infinite.<br>CCCH combined with SDCCH, Tx-integer = 5, Max-retrans = 1, ATT = 1. |             |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                  | CRef        | V | Comments |
| 1                           |       | +CombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, acttype,slot,tsc, ta, babr, cch_con, bpm)                                                                              |             |   |          |
| 2                           |       | L!DL_UdatRqSchinfo                                                                                                                                                     | SyncInfo_01 |   |          |
| 3                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                               |             |   | 1.       |
| 4                           |       | +SysInfoSending_MM_A( BcchFreqLst_01, C_ci_cellA, LocAreald_01, CntrlChDscrp(att, babr, cch_con, bpm, t3212), CellSelPara_01, CellChDes_02, RachCntrlPara_r01)         |             |   |          |
| 5                           |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                           |             |   |          |
| 6                           |       | +WaitForInService                                                                                                                                                      |             |   |          |
| 7                           |       | [TSPC_DCS]                                                                                                                                                             |             |   | 2.       |
| 8                           |       | +SysInfoSending_MM_A( BcchFreqLst_48, C_ci_cellA, LocAreald_01, CntrlChDscrp(att, babr, cch_con, bpm, t3212), CellSelPara_04, CellChDes_03, RachCntrlPara_r01)         |             |   |          |
| 9                           |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                           |             |   |          |
| 10                          |       | +WaitForInService                                                                                                                                                      |             |   |          |
| <b>Detailed Comments:</b>   |       | 1. For GSM900 mobile station testing.<br>2. For DCS1800 mobile station testing.                                                                                        |             |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                            |                   |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---|----------|
| <b>Test Step Name:</b>      |       | StartCellAandB(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212a, t3212b:OCTETSTRING)                                                |                   |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                 |                   |   |          |
| <b>Objective:</b>           |       | To setup a physical channel as combined BCCH, CCCH and SDCCH4 then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters of cell A and cell B.    |                   |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                |                   |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                      | CRef              | V | Comments |
| 1                           |       | +CombinedBCCH_A(63, FreqBCCHa_rg, FreqBCCHa_rd, acttype,slot,tsc, ta, babr, cch_con, bpm)                                                                                  |                   |   |          |
| 2                           |       | +CombinedBCCH_B(53, FreqBCCHb_rg, FreqBCCHb_rd, acttype,slot,tsc, ta, babr, cch_con, bpm)                                                                                  |                   |   |          |
| 3                           |       | LIDL_UdatRqSchinfo                                                                                                                                                         | SyncInfo(C_SCH_A) |   |          |
| 4                           |       | LIDL_UdatRqSchinfo                                                                                                                                                         | SyncInfo(C_SCH_B) |   |          |
| 5                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                   |                   |   |          |
| 6                           |       | +SysInfoSending_MM_A( BcchFreqLst_01, C_ci_cellA, LocAreald_01, CntrlChDscrp(att, babr, cch_con, bpm, t3212a), CellSelPara_01, CellChDes_04, RachCntrlPara_r01)            |                   |   |          |
| 7                           |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                               |                   |   |          |
| 8                           |       | +SysInfoSending_MM_B( BcchFreqLst_01, C_ci_cellB, LocAreald_31(C_lacellB), CntrlChDscrp(att, babr, cch_con, bpm, t3212b), CellSelPara_01, CellChDes_04, RachCntrlPara_r01) |                   |   |          |
| 9                           |       | +SysInfo_SacchSending(TCV_sacch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                                                         |                   |   |          |
| 10                          |       | [TSPC_DCS]                                                                                                                                                                 |                   |   |          |
| 11                          |       | +SysInfoSending_MM_A( BcchFreqLst_48, C_ci_cellA, LocAreald_01, CntrlChDscrp(att, babr, cch_con, bpm, t3212a), CellSelPara_04, CellChDes_03, RachCntrlPara_r01)            |                   |   |          |
| 12                          |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                               |                   |   |          |
| 13                          |       | +SysInfoSending_MM_B( BcchFreqLst_48, C_ci_cellB, LocAreald_31(C_lacellB), CntrlChDscrp(att, babr, cch_con, bpm, t3212b), CellSelPara_04, CellChDes_03, RachCntrlPara_r01) |                   |   |          |
| 14                          |       | +SysInfo_SacchSending(TCV_sacch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                                                         |                   |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                            |                   |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                         |      |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | StartCellAandB2PLMN(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212_1, t3212_2:OCTETSTRING)                                      |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                              |      |   |          |
| <b>Objective:</b>           |       | To setup a physical channel as combined BCCH, CCCH and SDCCH4 then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters of cell A and cell B. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                             |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                   | CRef | V | Comments |
| 1                           |       | +StartCellAandB(acttype, slot, tsc, ta, att, babr, cch_con, bpm, t3212_1, t3212_2)                                                                                      |      |   |          |
| 2                           |       | +WaitForInService                                                                                                                                                       |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                         |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                              |                                                                                                                                                                 |   |          |
|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | StartCellB_1(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                             |                                                                                                                                                                 |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                   |                                                                                                                                                                 |   |          |
| <b>Objective:</b>           |       | To set up a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell B, then start transmission of default system information's for cell B. |                                                                                                                                                                 |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                  |                                                                                                                                                                 |   |          |
| <b>Comments:</b>            |       | The location area code is different from the cell A.                                                                                                                                         |                                                                                                                                                                 |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                        | CRef                                                                                                                                                            | V | Comments |
| 1                           |       | (TCV_Tx := '0010'B, TCV_Max := '00'B, TCV_Neci := '0'B, TCV_Ccd0B := CntrlChDscrp(att, babr, cch_con, bpm, t3212))                                                                           |                                                                                                                                                                 |   |          |
| 2                           |       | +CombinedBCCH_B(53, FreqBCCHb_rg, FreqBCCHb_rd, acttype,slot,tsc, ta, babr, cch_con, bpm)                                                                                                    |                                                                                                                                                                 |   |          |
| 3                           |       | +sysinfo                                                                                                                                                                                     |                                                                                                                                                                 |   |          |
| 4                           |       | +SysInfo_SacchSending(TCV_sacch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                                                                           |                                                                                                                                                                 |   |          |
|                             |       | <b>sysinfo</b>                                                                                                                                                                               |                                                                                                                                                                 |   |          |
| 5                           |       | LIDL_UdatRqSchinfo                                                                                                                                                                           | SyncInfo(C_SCH_B)                                                                                                                                               |   | 1.       |
| 6                           |       | (TCV_sysinfo6_B := SysInf6(C_ci_cellB, C_PLMN_1, C_lacellB, CellOpt_01))                                                                                                                     |                                                                                                                                                                 |   |          |
| 7                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                     |                                                                                                                                                                 |   |          |
| 8                           |       | LIDL_UdatRqSysinfo2                                                                                                                                                                          | SysInfo2(C_BCCH_B_1, BcchFreqLst_01, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                       |   |          |
| 9                           |       | (TCV_sysinfo5_B := SysInf5(BcchFreqLst_01))                                                                                                                                                  |                                                                                                                                                                 |   |          |
| 10                          |       | LIDL_UdatRqSysinfo4                                                                                                                                                                          | SysInfo4(C_BCCH_B_1, C_PLMN_1, C_lacellB, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                      |   |          |
| 11                          |       | LIDL_UdatRqSysinfo1_nh                                                                                                                                                                       | SysInfo1_nh(C_BCH_B_1, C_ci_cellB, C_PLMN_1, C_lacellB, TCV_Ccd0B, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| 12                          |       | LIDL_UdatRqSysinfo3                                                                                                                                                                          | SysInfo3(C_BCCH_B_1, C_ci_cellB, C_PLMN_1, C_lacellB, TCV_Ccd0B, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)   |   |          |
| 13                          |       | [TSPC_DCS]                                                                                                                                                                                   |                                                                                                                                                                 |   |          |
| 14                          |       | LIDL_UdatRqSysinfo2                                                                                                                                                                          | SysInfo2(C_BCCH_B_1, BcchFreqLst_48, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                       |   |          |
| 15                          |       | (TCV_sysinfo5_B := SysInf5(BcchFreqLst_48))                                                                                                                                                  |                                                                                                                                                                 |   |          |
| 16                          |       | LIDL_UdatRqSysinfo4                                                                                                                                                                          | SysInfo4(C_BCCH_B_1, C_PLMN_1, C_lacellB, C_CellReselectHys0, C_MaxPwrLvID,                                                                                     |   |          |

|                                                                                                             |                        |                                                                                                                                                                   |
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| 17                                                                                                          | L!DL_UdatRqSysinfo1_nh | TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                                                    |
| 18                                                                                                          | L!DL_UdatRqSysinfo3    | SysInfo1_nh(C_BCC H_B_1, C_ci_cellB, C_PLMN_1, C_lacellB, TCV_Ccd0B, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |
| <b>Detailed Comments:</b> 1. To send SYNCHRONIZATION INFORMATION message with default parameter for cell B. |                        |                                                                                                                                                                   |

| Test Step Dynamic Behaviour                                                                                                            |       |                                                                                            |      |   |          |
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| <b>Test Step Name:</b> StartCellB_2(actype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING) |       |                                                                                            |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Preambles/                                                                                               |       |                                                                                            |      |   |          |
| <b>Objective:</b> To setup a physical channel and start transmission of system information messages in cell B for RR testing.          |       |                                                                                            |      |   |          |
| <b>Default:</b> OtherEvents                                                                                                            |       |                                                                                            |      |   |          |
| <b>Comments:</b> The location area code is the same as the cell A.                                                                     |       |                                                                                            |      |   |          |
| Nr                                                                                                                                     | Label | Behaviour Description                                                                      | CRef | V | Comments |
| 1                                                                                                                                      |       | +CombinedBCCH_B(53, FreqBCCHb_rg, FreqBCCHb_rd, actype, slot, tsc, ta, babr, cch_con, bpm) |      |   |          |
| 2                                                                                                                                      |       | +SysInfoSending_r4(att, babr, cch_con, bpm, t3212)                                         |      |   | 1.       |
| 3                                                                                                                                      |       | +SysInfo_SacchSending(TCV_sacch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                         |      |   |          |
| <b>Detailed Comments:</b> 1. To send SYSTEM INFORMATION messages with default parameter for cell B.                                    |       |                                                                                            |      |   |          |

| Test Step Dynamic Behaviour                                                                                                                                                                 |       |                                                                                            |      |   |          |
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| <b>Test Step Name:</b> StartCellB_21(actype:BITSTRING; slot:SN; tsc:TSC; att:INTEGER; chmod:CHMOD; actypeT:BITSTRING; slotT:SN; tscT:TSC; Ta:TA; babr, cch_con, bpm:B_3; t3212:OCTETSTRING) |       |                                                                                            |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Preambles/                                                                                                                                                    |       |                                                                                            |      |   |          |
| <b>Objective:</b> To setup a physical channel and start transmission of system information messages in cell B for RR testing with controllable timing.                                      |       |                                                                                            |      |   |          |
| <b>Default:</b> OtherEvents                                                                                                                                                                 |       |                                                                                            |      |   |          |
| <b>Comments:</b> The location area code is the same as the cell A. The timing is controllable                                                                                               |       |                                                                                            |      |   |          |
| Nr                                                                                                                                                                                          | Label | Behaviour Description                                                                      | CRef | V | Comments |
| 1                                                                                                                                                                                           |       | +CombinedBCCH_B(53, FreqBCCHb_rg, FreqBCCHb_rd, actype, slot, tsc, Ta, babr, cch_con, bpm) |      |   |          |
| 2                                                                                                                                                                                           |       | +SysInfoSending_r4(att, babr, cch_con, bpm, t3212)                                         |      |   | 1.       |
| 3                                                                                                                                                                                           |       | +SysInfo_SacchSending(TCV_sacch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                         |      |   |          |
| 4                                                                                                                                                                                           |       | +FullRateCh_B_1(chmod, actypeT, slotT, tscT, Ta, babr, cch_con, bpm)                       |      |   |          |
| <b>Detailed Comments:</b> 1. To send SYSTEM INFORMATION messages with default parameter for cell B.                                                                                         |       |                                                                                            |      |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                              |                                                                                                                                                                   |   |          |
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| <b>Test Step Name:</b>      |       | StartCellB_3(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                             |                                                                                                                                                                   |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                   |                                                                                                                                                                   |   |          |
| <b>Objective:</b>           |       | To set up a physical channel and map FCCH, SCH, BCCH, CCCH and SDCCH4 onto the physical channel which represents cell B, then start transmission of default system information's for cell B. |                                                                                                                                                                   |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                  |                                                                                                                                                                   |   |          |
| <b>Comments:</b>            |       | Cell B belongs to VPLMN(PLMN2). The Country Code is the same like in step StartCellA<br>T3212 value is set to infinite.                                                                      |                                                                                                                                                                   |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                        | CRef                                                                                                                                                              | V | Comments |
| 1                           |       | (TCV_Tx := '0010'B, TCV_Max := '00'B, TCV_Neci := '0'B, TCV_Ccd0B := CntrlChDscrp(att, babr, cch_con, bpm, t3212))                                                                           |                                                                                                                                                                   |   |          |
| 2                           |       | +CombinedBCCH_B(53, FreqBCCHb_rg, FreqBCCHb_rd, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                  |                                                                                                                                                                   |   |          |
| 3                           |       | +sysinfo                                                                                                                                                                                     |                                                                                                                                                                   |   |          |
| 4                           |       | +SysInfo_SacchSending(TCV_sacch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                                                                           |                                                                                                                                                                   |   |          |
|                             |       | <b>sysinfo</b>                                                                                                                                                                               |                                                                                                                                                                   |   |          |
| 5                           |       | LIDL_UdatRqSchinfo                                                                                                                                                                           | SynclInfo(C_SCH_B)                                                                                                                                                |   | 1.       |
| 6                           |       | (TCV_sysinfo6_B := SysInf6(C_ci_cellB, C_PLMN_2, C_lacellB, CellOpt_01))                                                                                                                     |                                                                                                                                                                   |   |          |
| 7                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                     |                                                                                                                                                                   |   |          |
| 8                           |       | LIDL_UdatRqSysinfo2                                                                                                                                                                          | SysInfo2(C_BCCH_B_1, BcchFreqLst_01, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                         |   |          |
| 9                           |       | (TCV_sysinfo5_B := SysInf5(BcchFreqLst_01))                                                                                                                                                  |                                                                                                                                                                   |   |          |
| 10                          |       | LIDL_UdatRqSysinfo4                                                                                                                                                                          | SysInfo4(C_BCCH_B_1, C_PLMN_2, C_lacellB, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                        |   |          |
| 11                          |       | LIDL_UdatRqSysinfo1_nh                                                                                                                                                                       | SysInfo1_nh(C_BCH_H_B_1, C_ci_cellB, C_PLMN_2, C_lacellB, TCV_Ccd0B, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| 12                          |       | LIDL_UdatRqSysinfo3                                                                                                                                                                          | SysInfo3(C_BCCH_B_1, C_ci_cellB, C_PLMN_2, C_lacellB, TCV_Ccd0B, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)     |   |          |
| 13                          |       | [TSPC_DCS]                                                                                                                                                                                   |                                                                                                                                                                   |   |          |
| 14                          |       | LIDL_UdatRqSysinfo2                                                                                                                                                                          | SysInfo2(C_BCCH_B_1, BcchFreqLst_48, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                         |   |          |
| 15                          |       | (TCV_sysinfo5_B := SysInf5(BcchFreqLst_48))                                                                                                                                                  |                                                                                                                                                                   |   |          |
| 16                          |       | LIDL_UdatRqSysinfo4                                                                                                                                                                          | SysInfo4(C_BCCH_B_1, C_PLMN_2, C_lacellB, C_CellReselectHys0,                                                                                                     |   |          |

|                           |  |                                                                                   |                                                                                                                                                                                                    |  |
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| 17                        |  | LIDL_UdatRqSysinfo1_nh                                                            | C_MaxPwrLvID,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noRestablishment)                                                                                                                              |  |
| 18                        |  | LIDL_UdatRqSysinfo3                                                               | SysInfo1_nh(C_BCCH_B<br>H_B_1, C_ci_cellB,<br>C_PLMN_2,<br>C_lacellB,<br>TCV_Ccd0B,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvID,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noRestablishment) |  |
| <b>Detailed Comments:</b> |  | 1. To send SYNCHRONIZATION INFORMATION message with default parameter for cell B. |                                                                                                                                                                                                    |  |

| Test Step Dynamic Behaviour                                                                                                             |       |                                                                                                                    |                                                                                                                                                               |   |          |
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| <b>Test Step Name:</b> StartCellB_5(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING) |       |                                                                                                                    |                                                                                                                                                               |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Preambles/                                                                                                |       |                                                                                                                    |                                                                                                                                                               |   |          |
| <b>Objective:</b> To setup a physical channel and start transmission of default system information messages in cell B for RR testing.   |       |                                                                                                                    |                                                                                                                                                               |   |          |
| <b>Default:</b> OtherEvents                                                                                                             |       |                                                                                                                    |                                                                                                                                                               |   |          |
| <b>Comments:</b> The location area code is the same as the cell A. The Cell Allocation is different from default.                       |       |                                                                                                                    |                                                                                                                                                               |   |          |
| Nr                                                                                                                                      | Label | Behaviour Description                                                                                              | CRef                                                                                                                                                          | V | Comments |
| 1                                                                                                                                       |       | (TCV_Tx := '0010'B, TCV_Max := '00'B, TCV_Neci := '0'B, TCV_Ccd0A := CntriChDscrp(att, babr, cch_con, bpm, t3212)) |                                                                                                                                                               |   |          |
| 2                                                                                                                                       |       | +CombinedBCCH_B(53, FreqBCCHb_rg, FreqBCCHb_rd, acttype, slot, tsc, ta, babr, cch_con, bpm)                        |                                                                                                                                                               |   |          |
| 3                                                                                                                                       |       | +sysinfo                                                                                                           |                                                                                                                                                               |   |          |
| 4                                                                                                                                       |       | +SysInfo_SacchSending(TCV_sacch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                 |                                                                                                                                                               |   |          |
| <b>sysinfo</b>                                                                                                                          |       |                                                                                                                    |                                                                                                                                                               |   |          |
| 5                                                                                                                                       |       | LIDL_UdatRqSchinfo                                                                                                 | SyncInfo(C_SCH_B)                                                                                                                                             |   |          |
| 6                                                                                                                                       |       | (TCV_sysinfo6_B := SysInf6(C_ci_cellA, C_PLMN_1, C_lacellA, CellOpt_01))                                           |                                                                                                                                                               |   |          |
| 7                                                                                                                                       |       | +gsmOrDcs                                                                                                          |                                                                                                                                                               |   |          |
| <b>gsmOrDcs</b>                                                                                                                         |       |                                                                                                                    |                                                                                                                                                               |   |          |
| 8                                                                                                                                       |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                           |                                                                                                                                                               |   |          |
| 9                                                                                                                                       |       | LIDL_UdatRqSysinfo4                                                                                                | SysInfo4(C_BCCH_B_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 10                                                                                                                                      |       | LIDL_UdatRqSysinfo1                                                                                                | SysInfo1(C_BCCH_B_1, CellChDes_17man, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                    |   |          |
| 11                                                                                                                                      |       | LIDL_UdatRqSysinfo2                                                                                                | SysInfo2(C_BCCH_B_1, BchFreqLst_01, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                      |   |          |
| 12                                                                                                                                      |       | (TCV_sysinfo5_B := SysInf5(BchFreqLst_01))                                                                         |                                                                                                                                                               |   |          |
| 13                                                                                                                                      |       | LIDL_UdatRqSysinfo3                                                                                                | SysInfo3(C_BCCH_B_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| 14                                                                                                                                      |       | [TSPC_DCS]                                                                                                         |                                                                                                                                                               |   |          |
| 15                                                                                                                                      |       | LIDL_UdatRqSysinfo4                                                                                                | SysInfo4(C_BCCH_B_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                    |   |          |
| 16                                                                                                                                      |       | LIDL_UdatRqSysinfo1                                                                                                | SysInfo1(C_BCCH_B_1, CellChDes_18man, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                    |   |          |



|                                                                                                                                                                                                                      |                                             |                                                                                                                                                               |
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| 17                                                                                                                                                                                                                   | L!DL_UdatRqSysinfo2                         | SysInfo2(C_BCCH_B_1, BcchFreqLst_48, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                     |
| 18                                                                                                                                                                                                                   | (TCV_sysinfo5_B := SysInf5(BcchFreqLst_48)) |                                                                                                                                                               |
| 19                                                                                                                                                                                                                   | L!DL_UdatRqSysinfo3                         | SysInfo3(C_BCCH_B_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |
| <b>Detailed Comments:</b>                                                                                                                                                                                            |                                             |                                                                                                                                                               |
| SYSTEM INFORMATION messages with default parameter for cell B except the Cell Allocation: 10, 80, 100, 120 for GSM and 520 600, 700, 870 for DCS.<br>used in TC_26_6_13_5, TC_26_6_13_6, TC_26_6_13_7, TC_26_6_13_8. |                                             |                                                                                                                                                               |

| Test Step Dynamic Behaviour |       |                                                                                                                                                              |                                                                                                                                                                 |   |          |
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| <b>Test Step Name:</b>      |       | StartCellC(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                               |                                                                                                                                                                 |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                   |                                                                                                                                                                 |   |          |
| <b>Objective:</b>           |       | To setup a physical channel as combined BCCH, CCCH and SDCCH4 then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters of cell C. |                                                                                                                                                                 |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                  |                                                                                                                                                                 |   |          |
| <b>Comments:</b>            |       | IMSI attach/detach not allowed (ATT=0). Cell C belongs to PLMN1.                                                                                             |                                                                                                                                                                 |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                        | CRef                                                                                                                                                            | V | Comments |
| 1                           |       | (TCV_Tx := '0010'B, TCV_Max := '00'B, TCV_Neci := '0'B, TCV_Ccd0C := CntrlChDscrp(att, babr, cch_con, bpm, t3212))                                           |                                                                                                                                                                 |   |          |
| 2                           |       | +CombinedBCCH_C(53, FreqBCCHc, FreqBCCHc_d, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                      |                                                                                                                                                                 |   |          |
| 3                           |       | +sysinfo                                                                                                                                                     |                                                                                                                                                                 |   |          |
| 4                           |       | +SysInfo_SacchSending(TCV_sacch_C, TCV_sysinfo5_C, TCV_sysinfo6_C)                                                                                           |                                                                                                                                                                 |   |          |
| 5                           |       | +WaitForInService                                                                                                                                            |                                                                                                                                                                 |   |          |
|                             |       | <b>sysinfo</b>                                                                                                                                               |                                                                                                                                                                 |   |          |
| 6                           |       | L!DL_UdatRqSchinfo                                                                                                                                           | SyncInfo(C_SCH_C)                                                                                                                                               |   | 1.       |
| 7                           |       | (TCV_sysinfo6_C := SysInf6(C_ci_cellC, C_PLMN_1, C_lacellC, CellOpt_01))                                                                                     |                                                                                                                                                                 |   |          |
| 8                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                     |                                                                                                                                                                 |   |          |
| 9                           |       | L!DL_UdatRqSysinfo2                                                                                                                                          | SysInfo2(C_BCCH_C_1, BcchFreqLst_07, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                       |   |          |
| 10                          |       | (TCV_sysinfo5_C := SysInf5(BcchFreqLst_07))                                                                                                                  |                                                                                                                                                                 |   |          |
| 11                          |       | L!DL_UdatRqSysinfo4                                                                                                                                          | SysInfo4(C_BCCH_C_1, C_PLMN_1, C_lacellC, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)                                      |   |          |
| 12                          |       | L!DL_UdatRqSysinfo1_nh                                                                                                                                       | SysInfo1_nh(C_BCH_C_1, C_ci_cellC, C_PLMN_1, C_lacellC, TCV_Ccd0C, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| 13                          |       | L!DL_UdatRqSysinfo3                                                                                                                                          | SysInfo3(C_BCCH_C_1, C_ci_cellC, C_PLMN_1, C_lacellC, TCV_Ccd0C, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment)   |   |          |
| 14                          |       | [TSPC_DCS]                                                                                                                                                   |                                                                                                                                                                 |   |          |
| 15                          |       | L!DL_UdatRqSysinfo2                                                                                                                                          | SysInfo2(C_BCCH_C_1, BcchFreqLst_15, TCV_Max, TCV_Tx, C_noRestablishment)                                                                                       |   |          |
| 16                          |       | (TCV_sysinfo5_C := SysInf5(BcchFreqLst_15))                                                                                                                  |                                                                                                                                                                 |   |          |
| 17                          |       | L!DL_UdatRqSysinfo4                                                                                                                                          | SysInfo4(C_BCCH_C_1, C_PLMN_1, C_lacellC, C_CellReselectHys0,                                                                                                   |   |          |

|                           |  |                        |                                                                                                                                                                                                      |  |  |
|---------------------------|--|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 18                        |  | LIDL_UdatRqSysinfo1_nh | C_MaxPwrLvlID,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noRestablishment)                                                                                                                               |  |  |
| 19                        |  | LIDL_UdatRqSysinfo3    | SysInfo1_nh(C_BCCH_C<br>H_C_1, C_ci_cellC,<br>C_PLMN_1,<br>C_laccellC,<br>TCV_Ccd0C,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvlID,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noRestablishment) |  |  |
| <b>Detailed Comments:</b> |  |                        |                                                                                                                                                                                                      |  |  |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                    |                   |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---|----------|
| <b>Test Step Name:</b>      |       | Start_2cellsPLMN2(activ_cell: CellID; acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                          |                   |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                         |                   |   |          |
| <b>Objective:</b>           |       | To start cell A and cell B with default parameters except power level of cell A and power level of cell B and to bring the MS in Idle updated state on given cell.                 |                   |   |          |
|                             |       | A and B are from different location areas belonging to PLMN2. PLMN2 is different from HPLMN.<br>IMSI attach detach is allowed in both cells.<br>T3212 value is 1/10 in both cells. |                   |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                        |                   |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                              | CRef              | V | Comments |
| 1                           |       | [activ_cell = C_CellA]                                                                                                                                                             |                   |   |          |
| 2                           |       | +cellA(63)                                                                                                                                                                         |                   |   |          |
| 3                           |       | +cellB(53)                                                                                                                                                                         |                   |   |          |
| 4                           |       | +WaitForInService                                                                                                                                                                  |                   |   |          |
| 5                           |       | [activ_cell = C_CellB]                                                                                                                                                             |                   |   |          |
| 6                           |       | +cellA(53)                                                                                                                                                                         |                   |   |          |
| 7                           |       | +cellB(63)                                                                                                                                                                         |                   |   |          |
| 8                           |       | +WaitForInService                                                                                                                                                                  |                   |   |          |
|                             |       | <b>cellA(par_bspwr:INTEGER)</b>                                                                                                                                                    |                   |   |          |
| 9                           |       | +CombinedBCCH_A(par_bspwr, FreqBCCHa_rg, FreqBCCHa_rd, acttype,slot,tsc, ta, babr, cch_con, bpm)                                                                                   |                   |   |          |
| 10                          |       | LIDL_UdatRqSchinfo                                                                                                                                                                 | SyncInfo(C_SCH_A) |   |          |
| 11                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                           |                   |   |          |
| 12                          |       | +SysInfoSending_MM_A( BcchFreqLst_01, C_ci_cellA, LocAreald_31(C_lacellA), CntrlChDscrp(att, babr, cch_con, bpm, t3212), CellSelPara_01, CellChDes_02, RachCntrlPara_r01)          |                   |   |          |
| 13                          |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                                       |                   |   |          |
| 14                          |       | [TSPC_DCS]                                                                                                                                                                         |                   |   |          |
| 15                          |       | +SysInfoSending_MM_A( BcchFreqLst_48, C_ci_cellA, LocAreald_31(C_lacellA), CntrlChDscrp(att, babr, cch_con, bpm, t3212), CellSelPara_04, CellChDes_03, RachCntrlPara_r01)          |                   |   |          |
| 16                          |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                                       |                   |   |          |
|                             |       | <b>cellB(par_bspwr:INTEGER)</b>                                                                                                                                                    |                   |   |          |
| 17                          |       | +CombinedBCCH_B(par_bspwr, FreqBCCHb_rg, FreqBCCHb_rd, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                 |                   |   |          |
| 18                          |       | LIDL_UdatRqSchinfo                                                                                                                                                                 | SyncInfo(C_SCH_B) |   |          |
| 19                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                           |                   |   |          |
| 20                          |       | +SysInfoSending_MM_B( BcchFreqLst_01, C_ci_cellB, LocAreald_31(C_lacellB), CntrlChDscrp(att, babr, cch_con, bpm, t3212), CellSelPara_01, CellChDes_04, RachCntrlPara_r01)          |                   |   |          |
| 21                          |       | +SysInfo_SacchSending( TCV_sacch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                                                                |                   |   |          |
| 22                          |       | [TSPC_DCS]                                                                                                                                                                         |                   |   |          |
| 23                          |       | +SysInfoSending_MM_B( BcchFreqLst_48, C_ci_cellB, LocAreald_31(C_lacellB), CntrlChDscrp(att, babr, cch_con, bpm, t3212), CellSelPara_04, CellChDes_03, RachCntrlPara_r01)          |                   |   |          |
| 24                          |       | +SysInfo_SacchSending( TCV_sacch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                                                                |                   |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                    |                   |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                     |      |   |          |
|-----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | StartMultiCells_01(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                              |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                          |      |   |          |
| <b>Objective:</b>           |       | To setup 8 or 7 physical channels representing different cells then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 in multiple cells for idle mode testing. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                         |      |   |          |
| <b>Comments:</b>            |       | The parameters for SYSTEM INFORMATION messages are defined in section 26.3.1 of GSM 11.10                                                                           |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                               | CRef | V | Comments |
| 1                           |       | +cell1                                                                                                                                                              |      |   |          |
| 2                           |       | +cell2                                                                                                                                                              |      |   |          |
| 3                           |       | +cell3                                                                                                                                                              |      |   |          |
| 4                           |       | +cell4                                                                                                                                                              |      |   |          |
| 5                           |       | +cell5                                                                                                                                                              |      |   |          |
| 6                           |       | +cell6                                                                                                                                                              |      |   |          |
| 7                           |       | +cell7                                                                                                                                                              |      |   |          |
| 8                           |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                            |      |   |          |
| 9                           |       | +cell8                                                                                                                                                              |      |   |          |
| 10                          |       | +WaitForInService                                                                                                                                                   |      |   |          |
| 11                          |       | [TSPC_DCS]                                                                                                                                                          |      |   |          |
| 12                          |       | +WaitForInService                                                                                                                                                   |      |   |          |
|                             |       | <b>cell1</b>                                                                                                                                                        |      |   |          |
| 13                          |       | +CombinedBCCH_A(65, FreqBCCH1, FreqBCCH1d, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                              |      |   |          |
| 14                          |       | +SysInfoSending_1(att, babr, cch_con, bpm, t3212)                                                                                                                   |      |   |          |
| 15                          |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                        |      |   |          |
|                             |       | <b>cell2</b>                                                                                                                                                        |      |   |          |
| 16                          |       | +CombinedBCCH_B(63, FreqBCCH2, FreqBCCH2d, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                              |      |   |          |
| 17                          |       | +SysInfoSending_2(att, babr, cch_con, bpm, t3212)                                                                                                                   |      |   |          |
| 18                          |       | +SysInfo_SacchSending(TCV_sacch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                                                  |      |   |          |
|                             |       | <b>cell3</b>                                                                                                                                                        |      |   |          |
| 19                          |       | +CombinedBCCH_C(61, FreqBCCH3, FreqBCCH3d, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                              |      |   |          |
| 20                          |       | +SysInfoSending_3(att, babr, cch_con, bpm, t3212)                                                                                                                   |      |   |          |
| 21                          |       | +SysInfo_SacchSending(TCV_sacch_C, TCV_sysinfo5_C, TCV_sysinfo6_C)                                                                                                  |      |   |          |
|                             |       | <b>cell4</b>                                                                                                                                                        |      |   |          |
| 22                          |       | +CombinedBCCH_D(55, FreqBCCH4, FreqBCCH4d, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                              |      |   |          |
| 23                          |       | +SysInfoSending_4(att, babr, cch_con, bpm, t3212)                                                                                                                   |      |   |          |
| 24                          |       | +SysInfo_SacchSending(TCV_sacch_D, TCV_sysinfo5_D, TCV_sysinfo6_D)                                                                                                  |      |   |          |
|                             |       | <b>cell5</b>                                                                                                                                                        |      |   |          |
| 25                          |       | +CombinedBCCH_E(59, FreqBCCH5, FreqBCCH5d, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                              |      |   |          |
| 26                          |       | +SysInfoSending_5(att, babr, cch_con, bpm, t3212)                                                                                                                   |      |   |          |
| 27                          |       | +SysInfo_SacchSending(TCV_sacch_E, TCV_sysinfo5_E, TCV_sysinfo6_E)                                                                                                  |      |   |          |
|                             |       | <b>cell6</b>                                                                                                                                                        |      |   |          |
| 28                          |       | +CombinedBCCH_F(57, FreqBCCH6, FreqBCCH6d, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                              |      |   |          |
| 29                          |       | +SysInfoSending_6(att, babr, cch_con, bpm, t3212)                                                                                                                   |      |   |          |
| 30                          |       | +SysInfo_SacchSending(TCV_sacch_F, TCV_sysinfo5_F, TCV_sysinfo6_F)                                                                                                  |      |   |          |
|                             |       | <b>cell7</b>                                                                                                                                                        |      |   |          |
| 31                          |       | +CombinedBCCH_G_sp(55, FreqBCCH7,                                                                                                                                   |      |   |          |

|                           |                                                                                       |  |  |
|---------------------------|---------------------------------------------------------------------------------------|--|--|
|                           | FreqBCCH7e, FreqBCCH7d, acttype, slot, tsc, ta, babr, cch_con, bpm)                   |  |  |
| 32                        | +SysInfoSending_7(att, babr, cch_con, bpm, t3212)                                     |  |  |
| 33                        | +SysInfo_SacchSending(TCV_sacch_G, TCV_sysinfo5_G, TCV_sysinfo6_G)                    |  |  |
|                           | <b>cell8</b>                                                                          |  |  |
| 34                        | +CombinedBCCH_H(53, FreqBCCH8, FreqBCCH8, acttype, slot, tsc, ta, babr, cch_con, bpm) |  |  |
| 35                        | +SysInfoSending_8(att, babr, cch_con, bpm, t3212)                                     |  |  |
| 36                        | +SysInfo_SacchSending(TCV_sacch_H, TCV_sysinfo5_H, TCV_sysinfo6_H)                    |  |  |
| <b>Detailed Comments:</b> |                                                                                       |  |  |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                        |      |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | StartMultiCells_02(bcchfl_gsm, bcchfl_dcs:NCD; acttype:BITSTRING; slot:SN; tsc:TSC; ta, ta1:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                             |      |   |          |
| <b>Objective:</b>           |       | To broadcast SYSTEM INFORMATION messages 1, 2, 3, 4, 5 and 6 in multiple cells for measurement testing. Neighbour cells description for cell S1 is a formal parameter. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                            |      |   |          |
| <b>Comments:</b>            |       | The parameters for SYSTEM INFORMATION messages are defined in section 26.6.3 of GSM 11.10                                                                              |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                  | CRef | V | Comments |
| 1                           |       | +cellS1                                                                                                                                                                |      |   |          |
| 2                           |       | +cellN1                                                                                                                                                                |      |   |          |
| 3                           |       | +cellN2                                                                                                                                                                |      |   |          |
| 4                           |       | +cellN3                                                                                                                                                                |      |   |          |
| 5                           |       | +cellN4                                                                                                                                                                |      |   |          |
| 6                           |       | +cellN5                                                                                                                                                                |      |   |          |
| 7                           |       | +cellN6                                                                                                                                                                |      |   |          |
| 8                           |       | +cellN7                                                                                                                                                                |      |   |          |
| <b>cellS1</b>               |       |                                                                                                                                                                        |      |   |          |
| 9                           |       | +CombinedBCCH_A(53, FreqBCCH9, FreqBCCH9d, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                 |      |   |          |
| 10                          |       | +SysInfoSending_10(bcchfl_gsm, bcchfl_dcs, '0'B, att, babr, cch_con, bpm, t3212)                                                                                       |      |   |          |
| 11                          |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                           |      |   |          |
| 12                          |       | +FullRateCh_A_def(C_Ass, TSPX_TmSltDef, TSPX_TscDef, ta, babr, cch_con, bpm)                                                                                           |      |   |          |
| 13                          |       | +WaitForInService                                                                                                                                                      |      |   |          |
| <b>cellN1</b>               |       |                                                                                                                                                                        |      |   |          |
| 14                          |       | +CombinedBCCH_B(28, FreqBCCH10, FreqBCCH10d, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                               |      |   |          |
| 15                          |       | +SysInfoSending_11(bcchfl_gsm, bcchfl_dcs, att, babr, cch_con, bpm, t3212)                                                                                             |      |   |          |
| <b>cellN2</b>               |       |                                                                                                                                                                        |      |   |          |
| 16                          |       | +CombinedBCCH_C(33, FreqBCCH11, FreqBCCH11d, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                               |      |   |          |
| 17                          |       | +SysInfoSending_12(bcchfl_gsm, bcchfl_dcs, att, babr, cch_con, bpm, t3212)                                                                                             |      |   |          |
| <b>cellN3</b>               |       |                                                                                                                                                                        |      |   |          |
| 18                          |       | +CombinedBCCH_D(38, FreqBCCH12, FreqBCCH12d, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                               |      |   |          |
| 19                          |       | +SysInfoSending_13('001'B, bcchfl_gsm, bcchfl_dcs, att, babr, cch_con, bpm, t3212)                                                                                     |      |   | ncc = 1  |
| <b>cellN4</b>               |       |                                                                                                                                                                        |      |   |          |
| 20                          |       | +CombinedBCCH_E(58, FreqBCCH13, FreqBCCH13d, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                               |      |   |          |
| 21                          |       | +SysInfoSending_14('001'B, bcchfl_gsm, bcchfl_dcs, att, babr, cch_con, bpm, t3212)                                                                                     |      |   | ncc = 1  |
| <b>cellN5</b>               |       |                                                                                                                                                                        |      |   |          |
| 22                          |       | +CombinedBCCH_F(63, FreqBCCH14, FreqBCCH14d, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                               |      |   |          |
| 23                          |       | +SysInfoSending_15('001'B, bcchfl_gsm, bcchfl_dcs, att, babr, cch_con, bpm, t3212)                                                                                     |      |   | ncc = 1  |
| <b>cellN6</b>               |       |                                                                                                                                                                        |      |   |          |
| 24                          |       | +CombinedBCCH_G(68, FreqBCCH15, FreqBCCH15d, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                               |      |   |          |

|                           |                                                                                                           |  |  |  |
|---------------------------|-----------------------------------------------------------------------------------------------------------|--|--|--|
| 25                        | +SysInfoSending_16(bcchfl_gsm, bcchfl_dcs, att, babr, cch_con, bpm, t3212)                                |  |  |  |
| 26                        | <b>cellN7</b><br>+CombinedBCCH_H(73, FreqBCCH16, FreqBCCH16d, acttype, slot, tsc, ta, babr, cch_con, bpm) |  |  |  |
| 27                        | +SysInfoSending_17(bcchfl_gsm, bcchfl_dcs, att, babr, cch_con, bpm, t3212)                                |  |  |  |
| <b>Detailed Comments:</b> |                                                                                                           |  |  |  |



| Test Step Dynamic Behaviour |       |                                                                                                                                                                        |      |   |          |
|-----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | StartMultiCells_02e(bcchfl_gsm, bcchfl_dcs:NCD; acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                    |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                             |      |   |          |
| <b>Objective:</b>           |       | To broadcast SYSTEM INFORMATION messages 1, 2, 3, 4, 5 and 6 in multiple cells for measurement testing. Neighbour cells description for cell S1 is a formal parameter. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                            |      |   |          |
| <b>Comments:</b>            |       | The parameters for SYSTEM INFORMATION messages are defined in section 26.10.2 of GSM 11.10                                                                             |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                  | CRef | V | Comments |
| 1                           |       | +cellS1                                                                                                                                                                |      |   |          |
| 2                           |       | +cellN1                                                                                                                                                                |      |   |          |
| 3                           |       | +cellN2                                                                                                                                                                |      |   |          |
| 4                           |       | +cellN3                                                                                                                                                                |      |   |          |
| 5                           |       | +cellN4                                                                                                                                                                |      |   |          |
| 6                           |       | +cellN5                                                                                                                                                                |      |   |          |
| 7                           |       | +cellN6                                                                                                                                                                |      |   |          |
| 8                           |       | +cellN7                                                                                                                                                                |      |   |          |
| <b>cellS1</b>               |       |                                                                                                                                                                        |      |   |          |
| 9                           |       | [TSPC_EGSM = TRUE]                                                                                                                                                     |      |   |          |
| 10                          |       | +CombinedBCCH_A(53, FreqBCCHe_1, FreqBCCHe_1, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                              |      |   |          |
| 11                          |       | +SysInfoSending_10(bcchfl_gsm, bcchfl_dcs, '0'B, att, babr, cch_con, bpm, t3212)                                                                                       |      |   | ncc = 1  |
| 12                          |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                           |      |   |          |
| 13                          |       | +FullRateCh_A_def(C_Ass, TSPX_TmSltDef, TSPX_TscDef, ta, babr, cch_con, bpm)                                                                                           |      |   |          |
| <b>cellN1</b>               |       |                                                                                                                                                                        |      |   |          |
| 14                          |       | [TSPC_EGSM = TRUE]                                                                                                                                                     |      |   |          |
| 15                          |       | +CombinedBCCH_B(28, FreqBCCHe_2, FreqBCCHe_2, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                              |      |   |          |
| 16                          |       | +SysInfoSending_11(bcchfl_gsm, bcchfl_dcs, att, babr, cch_con, bpm, t3212)                                                                                             |      |   | ncc = 1  |
| <b>cellN2</b>               |       |                                                                                                                                                                        |      |   |          |
| 17                          |       | [TSPC_EGSM = TRUE]                                                                                                                                                     |      |   |          |
| 18                          |       | +CombinedBCCH_C(33, FreqBCCHe_3, FreqBCCHe_3, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                              |      |   |          |
| 19                          |       | +SysInfoSending_12(bcchfl_gsm, bcchfl_dcs, att, babr, cch_con, bpm, t3212)                                                                                             |      |   | ncc = 1  |
| <b>cellN3</b>               |       |                                                                                                                                                                        |      |   |          |
| 20                          |       | [TSPC_EGSM = TRUE]                                                                                                                                                     |      |   |          |
| 21                          |       | +CombinedBCCH_D(38, FreqBCCHe_4, FreqBCCHe_4, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                              |      |   |          |
| 22                          |       | +SysInfoSending_13('001'B, bcchfl_gsm, bcchfl_dcs, att, babr, cch_con, bpm, t3212)                                                                                     |      |   | ncc = 1  |
| <b>cellN4</b>               |       |                                                                                                                                                                        |      |   |          |
| 23                          |       | [TSPC_EGSM = TRUE]                                                                                                                                                     |      |   |          |
| 24                          |       | +CombinedBCCH_E(58, FreqBCCHe_5, FreqBCCHe_5, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                              |      |   |          |
| 25                          |       | +SysInfoSending_14('001'B, bcchfl_gsm, bcchfl_dcs, att, babr, cch_con, bpm, t3212)                                                                                     |      |   | ncc = 1  |
| <b>cellN5</b>               |       |                                                                                                                                                                        |      |   |          |
| 26                          |       | [TSPC_EGSM = TRUE]                                                                                                                                                     |      |   |          |
| 27                          |       | +CombinedBCCH_F(63, FreqBCCHe_6, FreqBCCHe_6, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                              |      |   |          |

|                           |                                                                                                 |  |         |
|---------------------------|-------------------------------------------------------------------------------------------------|--|---------|
| 28                        | +SysInfoSending_15('001'B, bcchfl_gsm,<br>bcchfl_dcs, att, babr, cch_con, bpm, t3212)           |  | ncc = 1 |
|                           | <b>cellN6</b>                                                                                   |  |         |
| 29                        | [TSPC_EGSM = TRUE]                                                                              |  |         |
| 30                        | +CombinedBCCH_G(68, FreqBCCHe_7,<br>FreqBCCHe_7, acttype, slot, tsc, ta, babr,<br>cch_con, bpm) |  |         |
| 31                        | +SysInfoSending_16(bcchfl_gsm, bcchfl_dcs, att,<br>babr, cch_con, bpm, t3212)                   |  |         |
|                           | <b>cellN7</b>                                                                                   |  |         |
| 32                        | [TSPC_EGSM = TRUE]                                                                              |  |         |
| 33                        | +CombinedBCCH_H(73, FreqBCCHe_8,<br>FreqBCCHe_8, acttype, slot, tsc, ta, babr,<br>cch_con, bpm) |  |         |
| 34                        | +SysInfoSending_17(bcchfl_gsm, bcchfl_dcs, att,<br>babr, cch_con, bpm, t3212)                   |  |         |
| <b>Detailed Comments:</b> |                                                                                                 |  |         |

| Test Step Dynamic Behaviour |       |                                                                                                                                                              |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | StartMultiCells_03(bcchfl_gsm, bcchfl_dcs :NCD; acttype:BITSTRING; slot:SN; tsc:TSC; ta, ta1:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)     |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                   |      |   |          |
| <b>Objective:</b>           |       | To broadcast SYSTEM INFORMATION messages 1, 2, 3, 4, 5 and 6 in multiple cells for measurement testing. NCCs of cells N3, N4 and N5 are not to be monitored. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                  |      |   |          |
| <b>Comments:</b>            |       | The parameters for SYSTEM INFORMATION messages are defined in section 26.6.3 of GSM 11.10                                                                    |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                        | CRef | V | Comments |
| 1                           |       | +cellS1                                                                                                                                                      |      |   |          |
| 2                           |       | +cellN1                                                                                                                                                      |      |   |          |
| 3                           |       | +cellN2                                                                                                                                                      |      |   |          |
| 4                           |       | +cellN3                                                                                                                                                      |      |   |          |
| 5                           |       | +cellN4                                                                                                                                                      |      |   |          |
| 6                           |       | +cellN5                                                                                                                                                      |      |   |          |
| 7                           |       | +cellN6                                                                                                                                                      |      |   |          |
| 8                           |       | +cellN7                                                                                                                                                      |      |   |          |
| <b>cellS1</b>               |       |                                                                                                                                                              |      |   |          |
| 9                           |       | +CombinedBCCH_A(53, FreqBCCH9, FreqBCCH9d, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                       |      |   |          |
| 10                          |       | +SysInfoSending_10(BcchFreqLst_22, BcchFreqLst_32, '0'B, att, babr, cch_con, bpm, t3212)                                                                     |      |   |          |
| 11                          |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                 |      |   |          |
| 12                          |       | +FullRateCh_A_def(C_Ass, TSPX_TmSlitDef, TSPX_TscDef, ta, babr, cch_con, bpm)                                                                                |      |   |          |
| 13                          |       | +WaitForInService                                                                                                                                            |      |   |          |
| <b>cellN1</b>               |       |                                                                                                                                                              |      |   |          |
| 14                          |       | +CombinedBCCH_B(28, FreqBCCH10, FreqBCCH10d, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                     |      |   |          |
| 15                          |       | +SysInfoSending_11(bcchfl_gsm, bcchfl_dcs, att, babr, cch_con, bpm, t3212)                                                                                   |      |   |          |
| <b>cellN2</b>               |       |                                                                                                                                                              |      |   |          |
| 16                          |       | +CombinedBCCH_C(33, FreqBCCH11, FreqBCCH11d, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                     |      |   |          |
| 17                          |       | +SysInfoSending_12(bcchfl_gsm, bcchfl_dcs, att, babr, cch_con, bpm, t3212)                                                                                   |      |   |          |
| <b>cellN3</b>               |       |                                                                                                                                                              |      |   |          |
| 18                          |       | +CombinedBCCH_D(38, FreqBCCH12, FreqBCCH12d, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                     |      |   |          |
| 19                          |       | +SysInfoSending_13('010'B, bcchfl_gsm, bcchfl_dcs, att, babr, cch_con, bpm, t3212)                                                                           |      |   | ncc = 2  |
| <b>cellN4</b>               |       |                                                                                                                                                              |      |   |          |
| 20                          |       | +CombinedBCCH_E(58, FreqBCCH13, FreqBCCH13d, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                     |      |   |          |
| 21                          |       | +SysInfoSending_14('011'B, bcchfl_gsm, bcchfl_dcs, att, babr, cch_con, bpm, t3212)                                                                           |      |   | ncc = 3  |
| <b>cellN5</b>               |       |                                                                                                                                                              |      |   |          |
| 22                          |       | +CombinedBCCH_F(63, FreqBCCH14, FreqBCCH14d, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                     |      |   |          |
| 23                          |       | +SysInfoSending_15('100'B, bcchfl_gsm, bcchfl_dcs, att, babr, cch_con, bpm, t3212)                                                                           |      |   | ncc = 4  |
| <b>cellN6</b>               |       |                                                                                                                                                              |      |   |          |
| 24                          |       | +CombinedBCCH_G(68, FreqBCCH15, FreqBCCH15d, acttype, slot, tsc, ta, babr, cch_con,                                                                          |      |   |          |

|                           |                                                                                                                 |  |  |  |
|---------------------------|-----------------------------------------------------------------------------------------------------------------|--|--|--|
| 25                        | bpm)<br>+SysInfoSending_16(bcchfl_gsm, bcchfl_dcs, att,<br>babr, cch_con, bpm, t3212)                           |  |  |  |
| 26                        | <b>cellN7</b><br>+CombinedBCCH_H(73, FreqBCCH16,<br>FreqBCCH16d, acttype, slot, tsc, ta, babr, cch_con,<br>bpm) |  |  |  |
| 27                        | +SysInfoSending_17(bcchfl_gsm, bcchfl_dcs, att,<br>babr, cch_con, bpm, t3212)                                   |  |  |  |
| <b>Detailed Comments:</b> |                                                                                                                 |  |  |  |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                 |      |   |          |
|-----------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | StartMultiCells_04(bcchfl_gsm, bcchfl_dcs :NCD; acttype:BITSTRING; slot:SN; tsc:TSC; acttype2:BITSTRING; slot2:SN; tsc2:TSC; slot3:SN; tsc3:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING) |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                      |      |   |          |
| <b>Objective:</b>           |       | To broadcast SYSTEM INFORMATION messages 1, 2, 3, 4, 5 and 6 in multiple cells for measurement testing. The DTX is set to "MS shall use discontinuous transmission.                                             |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                     |      |   |          |
| <b>Comments:</b>            |       | The parameters for SYSTEM INFORMATION messages are defined in section 26.6.3 of GSM 11.10                                                                                                                       |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                           | CRef | V | Comments |
| 1                           |       | +cellN1                                                                                                                                                                                                         |      |   |          |
| 2                           |       | +cellS1                                                                                                                                                                                                         |      |   |          |
| 3                           |       | +cellN2                                                                                                                                                                                                         |      |   |          |
| 4                           |       | +cellN3                                                                                                                                                                                                         |      |   |          |
| 5                           |       | +cellN4                                                                                                                                                                                                         |      |   |          |
| 6                           |       | +cellN5                                                                                                                                                                                                         |      |   |          |
| 7                           |       | +cellN6                                                                                                                                                                                                         |      |   |          |
| 8                           |       | +cellN7                                                                                                                                                                                                         |      |   |          |
|                             |       | <b>cellS1</b>                                                                                                                                                                                                   |      |   |          |
| 9                           |       | +CombinedBCCH_A(53, FreqBCCH9, FreqBCCH9d, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                          |      |   |          |
| 10                          |       | +SysInfoSending_18(att, babr, cch_con, bpm, t3212)                                                                                                                                                              |      |   |          |
| 11                          |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                                                                    |      |   |          |
| 12                          |       | +FullRateCh_A_def(acttype2, slot2, tsc2, ta, babr, cch_con, bpm)                                                                                                                                                |      |   |          |
|                             |       | <b>cellN1</b>                                                                                                                                                                                                   |      |   |          |
| 13                          |       | +CombinedBCCH_B(28, FreqBCCH10, FreqBCCH10d, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                        |      |   |          |
| 14                          |       | +SysInfoSending_11(bcchfl_gsm, bcchfl_dcs, att, babr, cch_con, bpm, t3212)                                                                                                                                      |      |   |          |
|                             |       | <b>cellN2</b>                                                                                                                                                                                                   |      |   |          |
| 15                          |       | +CombinedBCCH_C(33, FreqBCCH11, FreqBCCH11d, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                        |      |   |          |
| 16                          |       | +SysInfoSending_12(bcchfl_gsm, bcchfl_dcs, att, babr, cch_con, bpm, t3212)                                                                                                                                      |      |   |          |
|                             |       | <b>cellN3</b>                                                                                                                                                                                                   |      |   |          |
| 17                          |       | +CombinedBCCH_D(38, FreqBCCH12, FreqBCCH12d, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                        |      |   |          |
| 18                          |       | +SysInfoSending_13('001'B, bcchfl_gsm, bcchfl_dcs, att, babr, cch_con, bpm, t3212)                                                                                                                              |      |   | ncc = 1  |
|                             |       | <b>cellN4</b>                                                                                                                                                                                                   |      |   |          |
| 19                          |       | +CombinedBCCH_E(58, FreqBCCH13, FreqBCCH13d, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                        |      |   |          |
| 20                          |       | +SysInfoSending_14('001'B, bcchfl_gsm, bcchfl_dcs, att, babr, cch_con, bpm, t3212)                                                                                                                              |      |   | ncc = 1  |
|                             |       | <b>cellN5</b>                                                                                                                                                                                                   |      |   |          |
| 21                          |       | +CombinedBCCH_F(63, FreqBCCH14, FreqBCCH14d, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                        |      |   |          |
| 22                          |       | +SysInfoSending_15('001'B, bcchfl_gsm, bcchfl_dcs, att, babr, cch_con, bpm, t3212)                                                                                                                              |      |   | ncc = 1  |
|                             |       | <b>cellN6</b>                                                                                                                                                                                                   |      |   |          |
| 23                          |       | +CombinedBCCH_G(68, FreqBCCH15, FreqBCCH15d, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                        |      |   |          |

|                           |                                                                                          |  |  |  |
|---------------------------|------------------------------------------------------------------------------------------|--|--|--|
| 24                        | +SysInfoSending_16(bcchfl_gsm, bcchfl_dcs, att, babr, cch_con, bpm, t3212)               |  |  |  |
|                           | <b>cellN7</b>                                                                            |  |  |  |
| 25                        | +CombinedBCCH_H(73, FreqBCCH16, FreqBCCH16d, acttype, slot, tsc, ta, babr, cch_con, bpm) |  |  |  |
| 26                        | +SysInfoSending_17(bcchfl_gsm, bcchfl_dcs, att, babr, cch_con, bpm, t3212)               |  |  |  |
| 27                        | +FullRateCh_H_1(acttype2, slot3, tsc3, ta, babr, cch_con, bpm)                           |  |  |  |
| 28                        | +WaitForInService                                                                        |  |  |  |
| <b>Detailed Comments:</b> |                                                                                          |  |  |  |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                               |                                                                                                                                                                 |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | StartTwoCells(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                             |                                                                                                                                                                 |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                    |                                                                                                                                                                 |   |          |
| <b>Objective:</b>           |       | To start cell A and cell B with default parameters except power level of cell A = 28 DBuv and power level of cell B = 33 DBuv MNC of cell B = '02'O.                          |                                                                                                                                                                 |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                   |                                                                                                                                                                 |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                         | CRef                                                                                                                                                            | V | Comments |
| 1                           |       | (TCV_Tx := '0010'B, TCV_Max := '00'B, TCV_Neci := '0'B, TCV_Ccd0A := CntrlChDscrp(att, babr, cch_con, bpm, t3212), TCV_Ccd0B := CntrlChDscrp(att, babr, cch_con, bpm, t3212)) |                                                                                                                                                                 |   |          |
| 2                           |       | +cellA                                                                                                                                                                        |                                                                                                                                                                 |   |          |
| 3                           |       | +cellB                                                                                                                                                                        |                                                                                                                                                                 |   |          |
| 4                           |       | +WaitForInService                                                                                                                                                             |                                                                                                                                                                 |   |          |
|                             |       | <b>cellA</b>                                                                                                                                                                  |                                                                                                                                                                 |   |          |
| 5                           |       | +CombinedBCCH_A(28, FreqBCCHa_rg, FreqBCCHa_rd, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                   |                                                                                                                                                                 |   |          |
| 6                           |       | +sysinfoA                                                                                                                                                                     |                                                                                                                                                                 |   |          |
| 7                           |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                                  |                                                                                                                                                                 |   |          |
|                             |       | <b>cellB</b>                                                                                                                                                                  |                                                                                                                                                                 |   |          |
| 8                           |       | +CombinedBCCH_B(33, FreqBCCHb_rg, FreqBCCHb_rd, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                   |                                                                                                                                                                 |   |          |
| 9                           |       | +sysinfoB                                                                                                                                                                     |                                                                                                                                                                 |   |          |
| 10                          |       | +SysInfo_SacchSending(TCV_sacch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                                                            |                                                                                                                                                                 |   |          |
|                             |       | <b>sysinfoA</b>                                                                                                                                                               |                                                                                                                                                                 |   |          |
| 11                          |       | LIDL_UdatRqSchinfo                                                                                                                                                            | SyncInfo(C_SCH_A)                                                                                                                                               |   |          |
| 12                          |       | (TCV_sysinfo6 := SysInf6(C_ci_cellA, C_PLMN_1, C_lacellA, CellOpt_01))                                                                                                        |                                                                                                                                                                 |   |          |
| 13                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                      |                                                                                                                                                                 |   |          |
| 14                          |       | LIDL_UdatRqSysinfo2                                                                                                                                                           | SysInfo2(C_BCCH_A_1, BcchFreqLst_45, TCV_Max, TCV_Tx, C_Restablishment)                                                                                         |   |          |
| 15                          |       | (TCV_sysinfo5 := SysInf5(BcchFreqLst_45))                                                                                                                                     |                                                                                                                                                                 |   |          |
| 16                          |       | LIDL_UdatRqSysinfo4                                                                                                                                                           | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvlG, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment)                                        |   |          |
| 17                          |       | LIDL_UdatRqSysinfo1_nh                                                                                                                                                        | SysInfo1_nh(C_BCH_H_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvlG, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment) |   |          |
| 18                          |       | LIDL_UdatRqSysinfo3                                                                                                                                                           | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvlG, TCV_Neci, TCV_Max, TCV_Tx,                       |   |          |

|    |                                                                          |                                                                                                                                                                 |
|----|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 19 | [TSPC_DCS]                                                               | C_Restablishment)                                                                                                                                               |
| 20 | LIDL_UdatRqSysinfo2                                                      | SysInfo2(C_BCCH_A_1, BcchFreqLst_03, TCV_Max, TCV_Tx, C_Restablishment)                                                                                         |
| 21 | (TCV_sysinfo5 := SysInf5(BcchFreqLst_03))                                |                                                                                                                                                                 |
| 22 | LIDL_UdatRqSysinfo4                                                      | SysInfo4(C_BCCH_A_1, C_PLMN_1, C_lacellA, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment)                                        |
| 23 | LIDL_UdatRqSysinfo1_nh                                                   | SysInfo1_nh(C_BCH_H_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment) |
| 24 | LIDL_UdatRqSysinfo3                                                      | SysInfo3(C_BCCH_A_1, C_ci_cellA, C_PLMN_1, C_lacellA, TCV_Ccd0A, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvID, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment)     |
| 25 | <b>sysinfoB</b><br>LIDL_UdatRqSchinfo                                    | SyncInfo(C_SCH_B)                                                                                                                                               |
| 26 | (TCV_sysinfo6_B := SysInf6(C_ci_cellB, C_PLMN_2, C_lacellB, CellOpt_01)) |                                                                                                                                                                 |
| 27 | [TSPC_PGSM OR TSPC_EGSM]                                                 |                                                                                                                                                                 |
| 28 | LIDL_UdatRqSysinfo2                                                      | SysInfo2(C_BCCH_B_1, BcchFreqLst_45, TCV_Max, TCV_Tx, C_Restablishment)                                                                                         |
| 29 | (TCV_sysinfo5_B := SysInf5(BcchFreqLst_45))                              |                                                                                                                                                                 |
| 30 | LIDL_UdatRqSysinfo4                                                      | SysInfo4(C_BCCH_B_1, C_PLMN_2, C_lacellB, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment)                                        |
| 31 | LIDL_UdatRqSysinfo1_nh                                                   | SysInfo1_nh(C_BCH_H_B_1, C_ci_cellB, C_PLMN_2, C_lacellB, TCV_Ccd0B, CellOpt_01, C_CellReselectHys0, C_MaxPwrLvIG, TCV_Neci, TCV_Max, TCV_Tx, C_Restablishment) |
| 32 | LIDL_UdatRqSysinfo3                                                      | SysInfo3(C_BCCH_B_1, C_ci_cellB, C_PLMN_2, C_lacellB, TCV_Ccd0B, CellOpt_01, C_CellReselectHys0,                                                                |



|                           |                                                |  |                                                                                                                                                                                               |
|---------------------------|------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                                                |  | C_MaxPwrLvIG,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_Restablishment)                                                                                                                           |
| 33                        | [TSPC_DCS]                                     |  |                                                                                                                                                                                               |
| 34                        | LIDL_UdatRqSysinfo2                            |  | SysInfo2(C_BCCH_B<br>_1, BcchFreqLst_03,<br>TCV_Max, TCV_Tx,<br>C_Restablishment)                                                                                                             |
| 35                        | (TCV_sysinfo5_B :=<br>SysInf5(BcchFreqLst_03)) |  |                                                                                                                                                                                               |
| 36                        | LIDL_UdatRqSysinfo4                            |  | SysInfo4(C_BCCH_B<br>_1, C_PLMN_2,<br>C_lacellB,<br>C_CellReselectHys0,<br>C_MaxPwrLvID,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_Restablishment)                                                |
| 37                        | LIDL_UdatRqSysinfo1_nh                         |  | SysInfo1_nh(C_BCC<br>H_B_1, C_ci_cellB,<br>C_PLMN_2,<br>C_lacellB,<br>TCV_Ccd0B,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvID,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_Restablishment) |
| 38                        | LIDL_UdatRqSysinfo3                            |  | SysInfo3(C_BCCH_B<br>_1, C_ci_cellB,<br>C_PLMN_2,<br>C_lacellB,<br>TCV_Ccd0B,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvID,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_Restablishment)    |
| <b>Detailed Comments:</b> |                                                |  |                                                                                                                                                                                               |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                   |                                           |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---|----------|
| <b>Test Step Name:</b>      |       | StartTwoCells_01(bcchfl_gsm, bcchfl_dcs:NCD; actype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                   |                                           |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                        |                                           |   |          |
| <b>Objective:</b>           |       | To broadcast SYSTEM INFORMATION messages 1, 2, 3, 4, 5 and 6 in two cells for measurement testing. Neighbour cells description for cell S1 is a formal parameter. |                                           |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                       |                                           |   |          |
| <b>Comments:</b>            |       | The parameters for SYSTEM INFORMATION messages are defined in section 26.6.3 of GSM 11.10                                                                         |                                           |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                             | CRef                                      | V | Comments |
| 1                           |       | +cellS1                                                                                                                                                           |                                           |   |          |
| 2                           |       | +cellN1                                                                                                                                                           |                                           |   |          |
|                             |       | <b>cellS1</b>                                                                                                                                                     |                                           |   |          |
| 3                           |       | +CombinedBCCH_A(53, FreqBCCH9, FreqBCCH17d, actype, slot, tsc, ta, babr, cch_con, bpm)                                                                            |                                           |   |          |
| 4                           |       | +SysInfoSending_10(bcchfl_gsm, bcchfl_dcs, '0'B, att, babr, cch_con, bpm, t3212)                                                                                  |                                           |   |          |
| 5                           |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                      |                                           |   |          |
| 6                           |       | LIDL_UdatRqSysinfo5bis (TCV_sysinfo5bis := SysInf5bis_01(BcchFreqLst_38))                                                                                         | SysInfo5bis_01(TCV_sacch, BcchFreqLst_38) |   |          |
| 7                           |       | +FullRateCh_A_def(C_Ass, TCV_slot, TCV_tsc, ta, babr, cch_con, bpm)                                                                                               |                                           |   |          |
| 8                           |       | +WaitForInService                                                                                                                                                 |                                           |   |          |
|                             |       | <b>cellN1</b>                                                                                                                                                     |                                           |   |          |
| 9                           |       | +CombinedBCCH_B(28, FreqBCCH10, FreqBCCH18d, actype, slot, tsc, ta, babr, cch_con, bpm)                                                                           |                                           |   |          |
| 10                          |       | +SysInfoSending_11(bcchfl_gsm, bcchfl_dcs, att, babr, cch_con, bpm, t3212)                                                                                        |                                           |   |          |
| <b>Detailed Comments:</b>   |       | used in TC_26_6_3_5                                                                                                                                               |                                           |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                              |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | IdleState_cellA(actype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                           |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                   |      |   |          |
| <b>Objective:</b>           |       | To setup a physical channel as combined BCCH, CCCH and SDCCH4 then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters of cell A. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                  |      |   |          |
| <b>Comments:</b>            |       | Default parameter.<br>IMSI attach detach is not allowed. Cell A is belonging to PLMN1.                                                                       |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                        | CRef | V | Comments |
| 1                           |       | +StartCellA(actype, slot, tsc, ta, att, babr, cch_con, bpm, t3212)                                                                                           |      |   |          |
| 2                           |       | +WaitForInService                                                                                                                                            |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                              |      |   |          |

| Test Step Dynamic Behaviour                                                                                                                                                    |       |                                                                     |      |   |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b> IdleState_cellB2(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                    |       |                                                                     |      |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Preambles/                                                                                                                                       |       |                                                                     |      |   |          |
| <b>Objective:</b> To setup a physical channel as combined BCCH, CCCH and SDCCH4 then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters of cell B. |       |                                                                     |      |   |          |
| <b>Default:</b> OtherEvents                                                                                                                                                    |       |                                                                     |      |   |          |
| <b>Comments:</b> IMSI attach detach is allowed. Cell B is belonging to PLMN1.<br>T3212 value is 1/10.                                                                          |       |                                                                     |      |   |          |
| Nr                                                                                                                                                                             | Label | Behaviour Description                                               | CRef | V | Comments |
| 1                                                                                                                                                                              |       | +StartCellB_1(acttype,slot,tsc, ta, att, babr, cch_con, bpm, t3212) |      |   |          |
| 2                                                                                                                                                                              |       | +WaitForInService                                                   |      |   |          |
| 3                                                                                                                                                                              |       | +MM_LUP(MiTmsi_01iei, C_lacellB, ta)                                |      |   |          |
| <b>Detailed Comments:</b>                                                                                                                                                      |       |                                                                     |      |   |          |

| Test Step Dynamic Behaviour                                                                                                                                                    |       |                                                                              |                                                                       |     |                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----|-------------------------|
| <b>Test Step Name:</b> IdleState_cellB3(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                    |       |                                                                              |                                                                       |     |                         |
| <b>Group:</b> GSM_L3_MS_v4160/Preambles/                                                                                                                                       |       |                                                                              |                                                                       |     |                         |
| <b>Objective:</b> To setup a physical channel as combined BCCH, CCCH and SDCCH4 then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters of cell B. |       |                                                                              |                                                                       |     |                         |
| <b>Default:</b> OtherEvents                                                                                                                                                    |       |                                                                              |                                                                       |     |                         |
| <b>Comments:</b> LAI deleted, HPLN search period = 6min, using of SIM card 2.                                                                                                  |       |                                                                              |                                                                       |     |                         |
| Nr                                                                                                                                                                             | Label | Behaviour Description                                                        | CRef                                                                  | V   | Comments                |
| 1                                                                                                                                                                              |       | +IdleState_cellA(acttype, slot, tsc, ta, att, babr, cch_con, bpm, t3212)     |                                                                       |     |                         |
| 2                                                                                                                                                                              |       | +LowRfLev_Cellnotavail(C_CellA)                                              |                                                                       |     |                         |
| 3                                                                                                                                                                              |       | (TCV_Null := OO_SIM2Ins())                                                   |                                                                       |     | 1)                      |
| 4                                                                                                                                                                              |       | +ltree_varinitB                                                              |                                                                       |     |                         |
| 5                                                                                                                                                                              |       | +StartCellB_1(acttype, slot, tsc, ta, att, babr, cch_con, bpm, t3212)        |                                                                       |     |                         |
| 6                                                                                                                                                                              |       | L?DL_RaInChRq (TCV_Rr := DL_RaInChRq.msg.ecau_rrf, TCV_Fn := DL_RaInChRq.fn) | ChReq_09                                                              |     |                         |
| 7                                                                                                                                                                              |       | ACTIVATE(OtherEvents_02)                                                     |                                                                       |     | To match ChReq retrans. |
| 8                                                                                                                                                                              |       | L!DL_UdatRqImmMass                                                           | ImmAss_20(TCV_Rr, TCV_Fn, TCV_agch, TCV_ia_ts, TCV_chdescr_arfcn, ta) |     |                         |
| 9                                                                                                                                                                              |       | L?DL_EstInLupRq                                                              | LocUp_01                                                              |     |                         |
| 10                                                                                                                                                                             |       | ACTIVATE(OtherEvents)                                                        |                                                                       |     | Restore Normal default  |
| 11                                                                                                                                                                             |       | L!DL_DatRqLupRej                                                             | LocRej_01(C_rc_LAnotallowed, TCV_ch)                                  | (P) | 1)                      |
| 12                                                                                                                                                                             |       | +ChanRel(TCV_ch)                                                             |                                                                       |     |                         |
| 13                                                                                                                                                                             |       | <b>ltree_varinitB</b><br>+Varinit_fixB                                       |                                                                       |     |                         |
| <b>Detailed Comments:</b> 1) SIM card 2 with the parameters IMSI= short IMSI and HPLN search period = 6min is required.<br>2) LAI shall be deleted.                            |       |                                                                              |                                                                       |     |                         |

| Test Step Dynamic Behaviour |       |                                                                                                                                                              |      |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----------|
| <b>Test Step Name:</b>      |       | IdleState_cellC(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                          |      |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                   |      |   |          |
| <b>Objective:</b>           |       | To setup a physical channel as combined BCCH, CCCH and SDCCH4 then broadcast SYSTEM INFORMATION messages 2, 3, 4, 5 and 6 with default parameters of cell C. |      |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                  |      |   |          |
| <b>Comments:</b>            |       | IMSI attach detach is not allowed. Cell C is belonging to PLMN1.                                                                                             |      |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                        | CRef | V | Comments |
| 1                           |       | +StartCellC(acttype, slot, tsc, ta, att, babr, cch_con, bpm, t3212)                                                                                          |      |   |          |
| 2                           |       | +MM_LUP(MiTmsi_01iei, C_lacellC, ta)                                                                                                                         |      |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                              |      |   |          |

| Test Step Dynamic Behaviour                                                                                                                                                          |       |                                                                                                                                                                            |                   |   |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---|----------|
| <b>Test Step Name:</b> IdleState_2cellMM(activ_cell: CellID; acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                     |       |                                                                                                                                                                            |                   |   |          |
| <b>Group:</b> GSM_L3_MS_v4160/Preambles/                                                                                                                                             |       |                                                                                                                                                                            |                   |   |          |
| <b>Objective:</b> To start cell A and cell B with default parameters except power level of cell A and power level of cell B and to bring the MS in Idle updated state on given cell. |       |                                                                                                                                                                            |                   |   |          |
| A and B are from different loaction areas belonging to PLMN2. PLMN2 is different from HPLMN.<br>IMSI attach detach is allowed in both cells.<br>T3212 value is 1/10 in both cells.   |       |                                                                                                                                                                            |                   |   |          |
| <b>Default:</b> OtherEvents                                                                                                                                                          |       |                                                                                                                                                                            |                   |   |          |
| Nr                                                                                                                                                                                   | Label | Behaviour Description                                                                                                                                                      | CRef              | V | Comments |
| 1                                                                                                                                                                                    |       | [activ_cell = C_CellA]                                                                                                                                                     |                   |   |          |
| 2                                                                                                                                                                                    |       | +cellA(63)                                                                                                                                                                 |                   |   |          |
| 3                                                                                                                                                                                    |       | +cellB(53)                                                                                                                                                                 |                   |   |          |
| 4                                                                                                                                                                                    |       | +WaitForInService                                                                                                                                                          |                   |   |          |
| 5                                                                                                                                                                                    |       | [activ_cell = C_CellB]                                                                                                                                                     |                   |   |          |
| 6                                                                                                                                                                                    |       | +cellA(53)                                                                                                                                                                 |                   |   |          |
| 7                                                                                                                                                                                    |       | +cellB(63)                                                                                                                                                                 |                   |   |          |
| 8                                                                                                                                                                                    |       | +WaitForInService                                                                                                                                                          |                   |   |          |
| 9                                                                                                                                                                                    |       | +MM_LUP(MiTmsi_01iei, C_lacellB, ta)                                                                                                                                       |                   |   |          |
| 10                                                                                                                                                                                   |       | <b>cellA(par_bspwr:INTEGER)</b><br>+CombinedBCCH_A(par_bspwr, FreqBCCHa_rg, FreqBCCHa_rd, acttype, slot, tsc, ta, babr, cch_con, bpm)                                      |                   |   |          |
| 11                                                                                                                                                                                   |       | L!DL_UdatRqSchinfo                                                                                                                                                         | SyncInfo(C_SCH_A) |   |          |
| 12                                                                                                                                                                                   |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                   |                   |   |          |
| 13                                                                                                                                                                                   |       | +SysInfoSending_MM_A(<br>BcchFreqLst_01,C_ci_cellA,LocAreaId_31(C_lacellA),CntrlChDscrp(att, babr, cch_con, bpm, t3212),<br>CellSelPara_01,CellChDes_04,RachCntrlPara_r01) |                   |   |          |
| 14                                                                                                                                                                                   |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                               |                   |   |          |
| 15                                                                                                                                                                                   |       | [TSPC_DCS]                                                                                                                                                                 |                   |   |          |
| 16                                                                                                                                                                                   |       | +SysInfoSending_MM_A(<br>BcchFreqLst_48,C_ci_cellA,LocAreaId_31(C_lacellA),CntrlChDscrp(att, babr, cch_con, bpm, t3212),<br>CellSelPara_04,CellChDes_03,RachCntrlPara_r01) |                   |   |          |
| 17                                                                                                                                                                                   |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                               |                   |   |          |
| 18                                                                                                                                                                                   |       | <b>cellB(par_bspwr:INTEGER)</b><br>+CombinedBCCH_B(par_bspwr, FreqBCCHb_rg, FreqBCCHb_rd, acttype, slot, tsc, ta, babr, cch_con, bpm)                                      |                   |   |          |
| 19                                                                                                                                                                                   |       | L!DL_UdatRqSchinfo                                                                                                                                                         | SyncInfo(C_SCH_B) |   |          |
| 20                                                                                                                                                                                   |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                   |                   |   |          |
| 21                                                                                                                                                                                   |       | +SysInfoSending_MM_B(<br>BcchFreqLst_01,C_ci_cellB,LocAreaId_31(C_lacellB),CntrlChDscrp(att, babr, cch_con, bpm, t3212),<br>CellSelPara_01,CellChDes_04,RachCntrlPara_r01) |                   |   |          |
| 22                                                                                                                                                                                   |       | +SysInfo_SacchSending( TCV_sacch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                                                        |                   |   |          |
| 23                                                                                                                                                                                   |       | [TSPC_DCS]                                                                                                                                                                 |                   |   |          |
| 24                                                                                                                                                                                   |       | +SysInfoSending_MM_B(<br>BcchFreqLst_48,C_ci_cellB,LocAreaId_31(C_lacellB),CntrlChDscrp(att, babr, cch_con, bpm, t3212),<br>CellSelPara_04,CellChDes_03,RachCntrlPara_r01) |                   |   |          |
| 25                                                                                                                                                                                   |       | +SysInfo_SacchSending( TCV_sacch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                                                        |                   |   |          |

## Detailed Comments:

| Test Step Dynamic Behaviour |                                                                                                                                                                    |                                                                                                                                                                |                   |   |          |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---|----------|
| <b>Test Step Name:</b>      | IdleState_2cellMM2(activ_cell: CellID; acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                         |                                                                                                                                                                |                   |   |          |
| <b>Group:</b>               | GSM_L3_MS_v4160/Preambles/                                                                                                                                         |                                                                                                                                                                |                   |   |          |
| <b>Objective:</b>           | To start cell A and cell B with default parameters except power level of cell A and power level of cell B and to bring the MS in Idle updated state on given cell. |                                                                                                                                                                |                   |   |          |
|                             | A and B are from different location areas belonging to PLMN1(HPLMN).                                                                                               |                                                                                                                                                                |                   |   |          |
|                             | IMSI attach detach is NOT allowed in both cells.                                                                                                                   |                                                                                                                                                                |                   |   |          |
|                             | T3212 value is set to infinite.                                                                                                                                    |                                                                                                                                                                |                   |   |          |
| <b>Default:</b>             | OtherEvents                                                                                                                                                        |                                                                                                                                                                |                   |   |          |
| Nr                          | Label                                                                                                                                                              | Behaviour Description                                                                                                                                          | CRef              | V | Comments |
| 1                           |                                                                                                                                                                    | [activ_cell = C_CellA]                                                                                                                                         |                   |   |          |
| 2                           |                                                                                                                                                                    | +cellA(63)                                                                                                                                                     |                   |   |          |
| 3                           |                                                                                                                                                                    | +cellB(53)                                                                                                                                                     |                   |   |          |
| 4                           |                                                                                                                                                                    | +WaitForInService                                                                                                                                              |                   |   |          |
| 5                           |                                                                                                                                                                    | [activ_cell = C_CellB]                                                                                                                                         |                   |   |          |
| 6                           |                                                                                                                                                                    | +cellA(53)                                                                                                                                                     |                   |   |          |
| 7                           |                                                                                                                                                                    | +cellB(63)                                                                                                                                                     |                   |   |          |
| 8                           |                                                                                                                                                                    | +WaitForInService                                                                                                                                              |                   |   |          |
| 9                           |                                                                                                                                                                    | +MM_LUP(MiTmsi_01iei, C_lacellB, ta)                                                                                                                           |                   |   |          |
|                             |                                                                                                                                                                    | <b>cellA(par_bspwr:INTEGER)</b>                                                                                                                                |                   |   |          |
| 10                          |                                                                                                                                                                    | +CombinedBCCH_A(par_bspwr, FreqBCCHa_rg, FreqBCCHa_rd, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                             |                   |   |          |
| 11                          |                                                                                                                                                                    | LIDL_UdatRqSchinfo                                                                                                                                             | SyncInfo(C_SCH_A) |   |          |
| 12                          |                                                                                                                                                                    | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                       |                   |   |          |
| 13                          |                                                                                                                                                                    | +SysInfoSending_MM_A( BcchFreqLst_01, C_ci_cellA, LocAreald_01, CntrlChDscrp(att, babr, cch_con, bpm, t3212), CellSelPara_01, CellChDes_02, RachCntrlPara_r01) |                   |   |          |
| 14                          |                                                                                                                                                                    | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                   |                   |   |          |
| 15                          |                                                                                                                                                                    | [TSPC_DCS]                                                                                                                                                     |                   |   |          |
| 16                          |                                                                                                                                                                    | +SysInfoSending_MM_A( BcchFreqLst_48, C_ci_cellA, LocAreald_01, CntrlChDscrp(att, babr, cch_con, bpm, t3212), CellSelPara_04, CellChDes_03, RachCntrlPara_r01) |                   |   |          |
| 17                          |                                                                                                                                                                    | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                   |                   |   |          |
|                             |                                                                                                                                                                    | <b>cellB(par_bspwr:INTEGER)</b>                                                                                                                                |                   |   |          |
| 18                          |                                                                                                                                                                    | +CombinedBCCH_B(par_bspwr, FreqBCCHb_rg, FreqBCCHb_rd, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                             |                   |   |          |
| 19                          |                                                                                                                                                                    | LIDL_UdatRqSchinfo                                                                                                                                             | SyncInfo(C_SCH_B) |   |          |
| 20                          |                                                                                                                                                                    | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                       |                   |   |          |
| 21                          |                                                                                                                                                                    | +SysInfoSending_MM_B( BcchFreqLst_01, C_ci_cellB, LocAreald_02, CntrlChDscrp(att, babr, cch_con, bpm, t3212), CellSelPara_01, CellChDes_04, RachCntrlPara_r01) |                   |   |          |
| 22                          |                                                                                                                                                                    | +SysInfo_SacchSending( TCV_sacch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                                            |                   |   |          |
| 23                          |                                                                                                                                                                    | [TSPC_DCS]                                                                                                                                                     |                   |   |          |
| 24                          |                                                                                                                                                                    | +SysInfoSending_MM_B( BcchFreqLst_48, C_ci_cellB, LocAreald_02, CntrlChDscrp(att, babr, cch_con, bpm, t3212), CellSelPara_04, CellChDes_03, RachCntrlPara_r01) |                   |   |          |
| 25                          |                                                                                                                                                                    | +SysInfo_SacchSending( TCV_sacch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                                            |                   |   |          |
| <b>Detailed Comments:</b>   |                                                                                                                                                                    |                                                                                                                                                                |                   |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                                                                                                                                                                      |                   |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---|----------|
| <b>Test Step Name:</b>      |       | IdleState_2cellMM3(activ_cell: CellID; acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                                                                                                                                                           |                   |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                                                                                                                                                           |                   |   |          |
| <b>Objective:</b>           |       | To start cell A and cell B with default parameters except power level of cell A and power level of cell B and to bring the MS in Idle updated state on given cell.<br><br>A and B are from different loaction areas belonging to PLMN1(HPLMN).<br>IMSI attach detach is allowed in both cells.<br>T3212 value is 1/10 in both cells. |                   |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                                                                                                                                                                          |                   |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                | CRef              | V | Comments |
| 1                           |       | [activ_cell = C_CellA]                                                                                                                                                                                                                                                                                                               |                   |   |          |
| 2                           |       | +cellA(63)                                                                                                                                                                                                                                                                                                                           |                   |   |          |
| 3                           |       | +cellB(53)                                                                                                                                                                                                                                                                                                                           |                   |   |          |
| 4                           |       | +WaitForInService                                                                                                                                                                                                                                                                                                                    |                   |   |          |
| 5                           |       | [activ_cell = C_CellB]                                                                                                                                                                                                                                                                                                               |                   |   |          |
| 6                           |       | +cellA(53)                                                                                                                                                                                                                                                                                                                           |                   |   |          |
| 7                           |       | +cellB(63)                                                                                                                                                                                                                                                                                                                           |                   |   |          |
| 8                           |       | +WaitForInService                                                                                                                                                                                                                                                                                                                    |                   |   |          |
| 9                           |       | +MM_LUP(MiTmsi_01iei, C_lacellB, ta)                                                                                                                                                                                                                                                                                                 |                   |   |          |
| 10                          |       | <b>cellA(par_bspwr:INTEGER)</b><br>+CombinedBCCH_A(par_bspwr, FreqBCCHa_rg, FreqBCCHa_rd, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                |                   |   |          |
| 11                          |       | L!DL_UdatRqSchinfo                                                                                                                                                                                                                                                                                                                   | SyncInfo(C_SCH_A) |   |          |
| 12                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                             |                   |   |          |
| 13                          |       | +SysInfoSending_MM_A( BcchFreqLst_01, C_ci_cellA, LocAreald_01, CntrlChDscrp(att, babr, cch_con, bpm, t3212), CellSelPara_01, CellChDes_02, RachCntrlPara_r01)                                                                                                                                                                       |                   |   |          |
| 14                          |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                                                                                                                                                                                         |                   |   |          |
| 15                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                           |                   |   |          |
| 16                          |       | +SysInfoSending_MM_A( BcchFreqLst_48, C_ci_cellA, LocAreald_01, CntrlChDscrp(att, babr, cch_con, bpm, t3212), CellSelPara_04, CellChDes_03, RachCntrlPara_r01)                                                                                                                                                                       |                   |   |          |
| 17                          |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                                                                                                                                                                                         |                   |   |          |
| 18                          |       | <b>cellB(par_bspwr:INTEGER)</b><br>+CombinedBCCH_B(par_bspwr, FreqBCCHb_rg, FreqBCCHb_rd, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                                                                                |                   |   |          |
| 19                          |       | L!DL_UdatRqSchinfo                                                                                                                                                                                                                                                                                                                   | SyncInfo(C_SCH_B) |   |          |
| 20                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                                                                                                             |                   |   |          |
| 21                          |       | +SysInfoSending_MM_B( BcchFreqLst_01, C_ci_cellB, LocAreald_02, CntrlChDscrp(att, babr, cch_con, bpm, t3212), CellSelPara_01, CellChDes_04, RachCntrlPara_r01)                                                                                                                                                                       |                   |   |          |
| 22                          |       | +SysInfo_SacchSending( TCV_sacch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                                                                                                                                                                                                                  |                   |   |          |
| 23                          |       | [TSPC_DCS]                                                                                                                                                                                                                                                                                                                           |                   |   |          |
| 24                          |       | +SysInfoSending_MM_B( BcchFreqLst_48, C_ci_cellB, LocAreald_02, CntrlChDscrp(att, babr, cch_con, bpm, t3212), CellSelPara_04, CellChDes_03, RachCntrlPara_r01)                                                                                                                                                                       |                   |   |          |
| 25                          |       | +SysInfo_SacchSending( TCV_sacch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                                                                                                                                                                                                                  |                   |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                                                                                                                                                                      |                   |   |          |

| Test Step Dynamic Behaviour |       |                                                                                                                                                                                           |                   |   |          |
|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---|----------|
| <b>Test Step Name:</b>      |       | IdleState_2cellMM4(activ_cell: CellID; acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch_con, bpm:B_3; t3212:OCTETSTRING)                                                |                   |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/Preambles/                                                                                                                                                                |                   |   |          |
| <b>Objective:</b>           |       | To start cell A and cell B with default parameters except power level of cell A and power level of cell B and to bring the MS in Idle updated state on given cell. Used in TC_26_7_4_3_2. |                   |   |          |
|                             |       | A and B are from different loaction areas belonging to PLMN1(HPLMN).                                                                                                                      |                   |   |          |
|                             |       | IMSI attach detach is allowed in both cells.                                                                                                                                              |                   |   |          |
|                             |       | T3212 value is infinite in both cells.                                                                                                                                                    |                   |   |          |
| <b>Default:</b>             |       | OtherEvents                                                                                                                                                                               |                   |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                     | CRef              | V | Comments |
| 1                           |       | [activ_cell = C_CellA]                                                                                                                                                                    |                   |   |          |
| 2                           |       | +cellA(63)                                                                                                                                                                                |                   |   |          |
| 3                           |       | +cellB(53)                                                                                                                                                                                |                   |   |          |
| 4                           |       | +WaitForInService                                                                                                                                                                         |                   |   |          |
| 5                           |       | [activ_cell = C_CellB]                                                                                                                                                                    |                   |   |          |
| 6                           |       | +cellA(53)                                                                                                                                                                                |                   |   |          |
| 7                           |       | +cellB(63)                                                                                                                                                                                |                   |   |          |
| 8                           |       | +WaitForInService                                                                                                                                                                         |                   |   |          |
| 9                           |       | +MM_LUP(MiTmsi_01iei, C_lacellB, ta)                                                                                                                                                      |                   |   |          |
| 10                          |       | <b>cellA(par_bspwr:INTEGER)</b><br>+CombinedBCCH_A(par_bspwr, FreqBCCHa_rg, FreqBCCHa_rd, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                     |                   |   |          |
| 11                          |       | LIDL_UdatRqSchinfo                                                                                                                                                                        | SyncInfo(C_SCH_A) |   |          |
| 12                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                  |                   |   |          |
| 13                          |       | +SysInfoSending_MM_A( BcchFreqLst_01, C_ci_cellA, LocAreald_01, CntrlChDscrp(att, babr, cch_con, bpm, t3212), CellSelPara_01, CellChDes_02, RachCntrlPara_r01)                            |                   |   |          |
| 14                          |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                                              |                   |   |          |
| 15                          |       | [TSPC_DCS]                                                                                                                                                                                |                   |   |          |
| 16                          |       | +SysInfoSending_MM_A( BcchFreqLst_48, C_ci_cellA, LocAreald_01, CntrlChDscrp(att, babr, cch_con, bpm, t3212), CellSelPara_04, CellChDes_03, RachCntrlPara_r01)                            |                   |   |          |
| 17                          |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                                              |                   |   |          |
| 18                          |       | <b>cellB(par_bspwr:INTEGER)</b><br>+CombinedBCCH_B(par_bspwr, FreqBCCHb_rg, FreqBCCHb_rd, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                     |                   |   |          |
| 19                          |       | LIDL_UdatRqSchinfo                                                                                                                                                                        | SyncInfo(C_SCH_B) |   |          |
| 20                          |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                  |                   |   |          |
| 21                          |       | +SysInfoSending_MM_B( BcchFreqLst_01, C_ci_cellB, LocAreald_02, CntrlChDscrp(att, babr, cch_con, bpm, t3212), CellSelPara_01, CellChDes_04, RachCntrlPara_r01)                            |                   |   |          |
| 22                          |       | +SysInfo_SacchSending( TCV_sacch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                                                                       |                   |   |          |
| 23                          |       | [TSPC_DCS]                                                                                                                                                                                |                   |   |          |
| 24                          |       | +SysInfoSending_MM_B( BcchFreqLst_48, C_ci_cellB, LocAreald_02, CntrlChDscrp(att, babr, cch_con, bpm, t3212), CellSelPara_04, CellChDes_03, RachCntrlPara_r01)                            |                   |   |          |
| 25                          |       | +SysInfo_SacchSending( TCV_sacch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                                                                       |                   |   |          |
| <b>Detailed Comments:</b>   |       |                                                                                                                                                                                           |                   |   |          |



### Test Step Dynamic Behaviour

**Test Step Name:** IdleState\_3cellMMA(acttype:BITSTRING; slot:SN; tsc:TSC; ta:TA; att:INTEGER; babr, cch\_con, bpm:B\_3; t3212:OCTETSTRING)

**Group:** GSM\_L3\_MS\_v4160/Preambles/

**Objective:** To start the cells A, B and C with default parameters except power level of cell A = -40 dB = 73 dBuVemf, power level of cell B = -50 dB = 63 dBuVemf and power level of cell C = -60 dB = 53 dBuVemf and to bring the MS in Idle updated state on cell A.

Signal level (dBuVemf) = P (dBm) + 113

A, B and C are from same PLMN which differs from HPLMN with 3 different loaction area codes.

IMSI attach detach is allowed in both cells.  
T3212 value is 1/10 in both cells.

**Default:** OtherEvents

| Nr | Label | Behaviour Description                                                                                                                                                                                                                    | CRef                                                                                                                       | V | Comments |
|----|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---|----------|
| 1  |       | (TCV_Tx := '0010'B, TCV_Max := '00'B, TCV_Neci := '0'B, TCV_Ccd0A := CntrlChDscrp(att, babr, cch_con, bpm, t3212), TCV_Ccd0B := CntrlChDscrp(att, babr, cch_con, bpm, t3212), TCV_Ccd0C := CntrlChDscrp(att, babr, cch_con, bpm, t3212)) |                                                                                                                            |   |          |
| 2  |       | +cellA                                                                                                                                                                                                                                   |                                                                                                                            |   |          |
| 3  |       | +cellB                                                                                                                                                                                                                                   |                                                                                                                            |   |          |
| 4  |       | +cellC                                                                                                                                                                                                                                   |                                                                                                                            |   |          |
| 5  |       | +WaitForInService                                                                                                                                                                                                                        |                                                                                                                            |   |          |
|    |       | <b>cellA</b>                                                                                                                                                                                                                             |                                                                                                                            |   |          |
| 6  |       | +CombinedBCCH_A(73, FreqBCCHa_rg, FreqBCCHa_rd, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                              |                                                                                                                            |   |          |
| 7  |       | +sysinfoA                                                                                                                                                                                                                                |                                                                                                                            |   |          |
| 8  |       | +SysInfo_SacchSending(TCV_sacch, TCV_sysinfo5, TCV_sysinfo6)                                                                                                                                                                             |                                                                                                                            |   |          |
|    |       | <b>cellB</b>                                                                                                                                                                                                                             |                                                                                                                            |   |          |
| 9  |       | +CombinedBCCH_B(63, FreqBCCHb_rg, FreqBCCHb_rd, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                              |                                                                                                                            |   |          |
| 10 |       | +sysinfoB                                                                                                                                                                                                                                |                                                                                                                            |   |          |
| 11 |       | +SysInfo_SacchSending(TCV_sacch_B, TCV_sysinfo5_B, TCV_sysinfo6_B)                                                                                                                                                                       |                                                                                                                            |   |          |
|    |       | <b>cellC</b>                                                                                                                                                                                                                             |                                                                                                                            |   |          |
| 12 |       | +CombinedBCCH_C(53, FreqBCCHc, FreqBCCHc_d, acttype, slot, tsc, ta, babr, cch_con, bpm)                                                                                                                                                  |                                                                                                                            |   |          |
| 13 |       | +sysinfoC                                                                                                                                                                                                                                |                                                                                                                            |   |          |
| 14 |       | +SysInfo_SacchSending(TCV_sacch_C, TCV_sysinfo5_C, TCV_sysinfo6_C)                                                                                                                                                                       |                                                                                                                            |   |          |
|    |       | <b>sysinfoA</b>                                                                                                                                                                                                                          |                                                                                                                            |   |          |
| 15 |       | L!DL_UdatRqSchinfo                                                                                                                                                                                                                       | SyncInfo(C_SCH_A)                                                                                                          |   |          |
| 16 |       | (TCV_sysinfo6 := SysInf6(C_ci_cellA, C_PLMN_2, C_lacellA, CellOpt_01))                                                                                                                                                                   |                                                                                                                            |   |          |
| 17 |       | [TSPC_PGSM OR TSPC_EGSM]                                                                                                                                                                                                                 |                                                                                                                            |   |          |
| 18 |       | L!DL_UdatRqSysinfo2                                                                                                                                                                                                                      | SysInfo2(C_BCCH_A_1, BcchFreqLst_01, TCV_Max, TCV_Tx, C_noRestablishment)                                                  |   |          |
| 19 |       | (TCV_sysinfo5 := SysInf5(BcchFreqLst_01))                                                                                                                                                                                                |                                                                                                                            |   |          |
| 20 |       | L!DL_UdatRqSysinfo4                                                                                                                                                                                                                      | SysInfo4(C_BCCH_A_1, C_PLMN_2, C_lacellA, C_CellReselectHys0, C_MaxPwrLvlG, TCV_Neci, TCV_Max, TCV_Tx, C_noRestablishment) |   |          |
| 21 |       | L!DL_UdatRqSysinfo1_nh<br>(DL_UdatRqSysinfo1_nh.msg.co.rlt :=                                                                                                                                                                            | SysInfo1_nh(C_BCC_H_A_1, C_ci_cellA,                                                                                       |   |          |

|    |                 |                                                                                                     |                                                                                                                                                                                                 |
|----|-----------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |                 | INT_TO_BIT(C_RadioLinkTimeOut, 4))                                                                  | C_PLMN_2,<br>C_lacellA,<br>TCV_Ccd0A,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvIG,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noRestablishment)                                            |
| 22 |                 | LIDL_UdatRqSysinfo3(<br>DL_UdatRqSysinfo3.msg.co.rlt :=<br>INT_TO_BIT(C_RadioLinkTimeOut, 4))       | SysInfo3(C_BCCH_A<br>_1, C_ci_cellA,<br>C_PLMN_2,<br>C_lacellA,<br>TCV_Ccd0A,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvIG,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noRestablishment)    |
| 23 | [TSPC_DCS]      |                                                                                                     |                                                                                                                                                                                                 |
| 24 |                 | LIDL_UdatRqSysinfo2                                                                                 | SysInfo2(C_BCCH_A<br>_1, BcchFreqLst_48,<br>TCV_Max, TCV_Tx,<br>C_noRestablishment)                                                                                                             |
| 25 |                 | (TCV_sysinfo5 := SysInf5(BcchFreqLst_48))                                                           |                                                                                                                                                                                                 |
| 26 |                 | LIDL_UdatRqSysinfo4                                                                                 | SysInfo4(C_BCCH_A<br>_1, C_PLMN_2,<br>C_lacellA,<br>C_CellReselectHys0,<br>C_MaxPwrLvID,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noRestablishment)                                                |
| 27 |                 | LIDL_UdatRqSysinfo1_nh<br>(DL_UdatRqSysinfo1_nh.msg.co.rlt :=<br>INT_TO_BIT(C_RadioLinkTimeOut, 4)) | SysInfo1_nh(C_BCC<br>H_A_1, C_ci_cellA,<br>C_PLMN_2,<br>C_lacellA,<br>TCV_Ccd0A,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvID,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noRestablishment) |
| 28 |                 | LIDL_UdatRqSysinfo3(<br>DL_UdatRqSysinfo3.msg.co.rlt<br>:=INT_TO_BIT(C_RadioLinkTimeOut,<br>4))     | SysInfo3(C_BCCH_A<br>_1, C_ci_cellA,<br>C_PLMN_2,<br>C_lacellA,<br>TCV_Ccd0A,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvID,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noRestablishment)    |
| 29 | <b>sysinfoB</b> | LIDL_UdatRqSchinfo                                                                                  | SynclInfo(C_SCH_B)                                                                                                                                                                              |
| 30 |                 | (TCV_sysinfo6_B := SysInf6(C_ci_cellB,<br>C_PLMN_2, C_lacellB, CellOpt_01))                         |                                                                                                                                                                                                 |
| 31 |                 | [TSPC_PGSM OR TSPC_EGSM]                                                                            |                                                                                                                                                                                                 |
| 32 |                 | LIDL_UdatRqSysinfo2                                                                                 | SysInfo2(C_BCCH_B<br>_1, BcchFreqLst_01,<br>TCV_Max, TCV_Tx,<br>C_noRestablishment)                                                                                                             |
| 33 |                 | (TCV_sysinfo5_B :=<br>SysInf5(BcchFreqLst_01))                                                      |                                                                                                                                                                                                 |
| 34 |                 | LIDL_UdatRqSysinfo4                                                                                 | SysInfo4(C_BCCH_B<br>_1, C_PLMN_2,<br>C_lacellB,<br>C_CellReselectHys0,<br>C_MaxPwrLvIG,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,                                                                       |

|    |                                                                                                    |                                                                                                                                                                                                                          |    |
|----|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 35 | L!DL_UdatRqSysinfo1_nh<br>(DL_UdatRqSysinfo1_nh.msg.co.rlt<br>:=INT_TO_BIT(C_RadioLinkTimeOut, 4)) | C_noReestablishment)<br>SysInfo1_nh(C_BCC<br>H_B_1, C_ci_cellB,<br>C_PLMN_2,<br>C_lacellB,<br>TCV_Ccd0B,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvlG,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noReestablishment) |    |
| 36 | L!DL_UdatRqSysinfo3<br>(DL_UdatRqSysinfo3.msg.co.rlt<br>:=INT_TO_BIT(C_RadioLinkTimeOut,<br>4))    | SysInfo3(C_BCCH_B<br>_1, C_ci_cellB,<br>C_PLMN_2,<br>C_lacellB,<br>TCV_Ccd0B,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvlG,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noReestablishment)                            |    |
| 37 | [TSPC_DCS]                                                                                         |                                                                                                                                                                                                                          |    |
| 38 | L!DL_UdatRqSysinfo2                                                                                | SysInfo2(C_BCCH_B<br>_1, BcchFreqLst_48,<br>TCV_Max, TCV_Tx,<br>C_noReestablishment)                                                                                                                                     |    |
| 39 | (TCV_sysinfo5_B :=<br>SysInf5(BcchFreqLst_48))                                                     |                                                                                                                                                                                                                          |    |
| 40 | L!DL_UdatRqSysinfo4<br>(DL_UdatRqSysinfo4.msg.lai.mnc :='02'O)                                     | SysInfo4(C_BCCH_B<br>_1, C_PLMN_2,<br>C_lacellB,<br>C_CellReselectHys0,<br>C_MaxPwrLvlD,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noReestablishment)                                                                        |    |
| 41 | L!DL_UdatRqSysinfo1_nh<br>(DL_UdatRqSysinfo1_nh.msg.co.rlt<br>:=INT_TO_BIT(C_RadioLinkTimeOut, 4)) | SysInfo1_nh(C_BCC<br>H_B_1, C_ci_cellB,<br>C_PLMN_2,<br>C_lacellB,<br>TCV_Ccd0B,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvlD,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noReestablishment)                         |    |
| 42 | L!DL_UdatRqSysinfo3<br>(DL_UdatRqSysinfo3.msg.co.rlt<br>:=INT_TO_BIT(C_RadioLinkTimeOut,<br>4))    | SysInfo3(C_BCCH_B<br>_1, C_ci_cellB,<br>C_PLMN_2,<br>C_lacellB,<br>TCV_Ccd0B,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvlD,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noReestablishment)                            |    |
| 43 | <b>sysinfoC</b><br>L!DL_UdatRqSchinfo                                                              | SynInfo(C_SCH_C)                                                                                                                                                                                                         | 1. |
| 44 | (TCV_sysinfo6_C := SysInf6(C_ci_cellC,<br>C_PLMN_2, C_lacellC, CellOpt_01))                        |                                                                                                                                                                                                                          |    |
| 45 | [TSPC_PGSM OR TSPC_EGSM]                                                                           |                                                                                                                                                                                                                          |    |
| 46 | L!DL_UdatRqSysinfo2                                                                                | SysInfo2(C_BCCH_C<br>_1, BcchFreqLst_07,<br>TCV_Max, TCV_Tx,<br>C_noReestablishment)                                                                                                                                     |    |
| 47 | (TCV_sysinfo5_C :=<br>SysInf5(BcchFreqLst_07))                                                     |                                                                                                                                                                                                                          |    |
| 48 | L!DL_UdatRqSysinfo4                                                                                | SysInfo4(C_BCCH_C<br>_1, C_PLMN_2,<br>C_lacellC,                                                                                                                                                                         |    |

|                           |                                                |                                                                                                                                                                                                                                                                                                    |
|---------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 49                        | LIDL_UdatRqSysinfo1_nh                         | C_CellReselectHys0,<br>C_MaxPwrLvIG,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noRestablishment)<br>SysInfo1_nh(C_BCCH_C<br>H_C_1, C_ci_cellC,<br>C_PLMN_2,<br>C_lacellC,<br>TCV_Ccd0C,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvIG,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noRestablishment) |
| 50                        | LIDL_UdatRqSysinfo3                            | SysInfo3(C_BCCH_C<br>_1, C_ci_cellC,<br>C_PLMN_2,<br>C_lacellC,<br>TCV_Ccd0C,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvIG,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noRestablishment)                                                                                                       |
| 51                        | [TSPC_DCS]                                     |                                                                                                                                                                                                                                                                                                    |
| 52                        | LIDL_UdatRqSysinfo2                            | SysInfo2(C_BCCH_C<br>_1, BcchFreqLst_15,<br>TCV_Max, TCV_Tx,<br>C_noRestablishment)                                                                                                                                                                                                                |
| 53                        | (TCV_sysinfo5_C :=<br>SysInf5(BcchFreqLst_15)) |                                                                                                                                                                                                                                                                                                    |
| 54                        | LIDL_UdatRqSysinfo4                            | SysInfo4(C_BCCH_C<br>_1, C_PLMN_2,<br>C_lacellC,<br>C_CellReselectHys0,<br>C_MaxPwrLvID,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noRestablishment)                                                                                                                                                   |
| 55                        | LIDL_UdatRqSysinfo1_nh                         | SysInfo1_nh(C_BCCH_C<br>H_C_1, C_ci_cellC,<br>C_PLMN_2,<br>C_lacellC,<br>TCV_Ccd0C,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvID,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noRestablishment)                                                                                                 |
| 56                        | LIDL_UdatRqSysinfo3                            | SysInfo3(C_BCCH_C<br>_1, C_ci_cellC,<br>C_PLMN_2,<br>C_lacellC,<br>TCV_Ccd0C,<br>CellOpt_01,<br>C_CellReselectHys0,<br>C_MaxPwrLvID,<br>TCV_Neci, TCV_Max,<br>TCV_Tx,<br>C_noRestablishment)                                                                                                       |
| <b>Detailed Comments:</b> |                                                |                                                                                                                                                                                                                                                                                                    |

## Defaults Library

| Default Dynamic Behaviour |       |                                                                                                                                                                     |                                    |   |          |
|---------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---|----------|
| <b>Default Name:</b>      |       | OtherEvents                                                                                                                                                         |                                    |   |          |
| <b>Group:</b>             |       | GSM_L3_MS_v4160/                                                                                                                                                    |                                    |   |          |
| <b>Objective:</b>         |       | To match unexpected events and sign final verdict for preambles.                                                                                                    |                                    |   |          |
| <b>Comments:</b>          |       | used in preambles.                                                                                                                                                  |                                    |   |          |
| Nr                        | Label | Behaviour Description                                                                                                                                               | CRef                               | V | Comments |
| 1                         |       | L?DL_RelIn                                                                                                                                                          | DLRelInd_02                        |   | 4.       |
| 2                         |       | RETURN                                                                                                                                                              |                                    |   |          |
| 3                         |       | ?TIMEOUT T_guard                                                                                                                                                    |                                    |   | 1.       |
| 4                         |       | +ltree_SDCCH1_release                                                                                                                                               |                                    |   |          |
| 5                         |       | +ltree_SDCCH2_release                                                                                                                                               |                                    |   |          |
| 6                         |       | +ltree_TCH1_release                                                                                                                                                 |                                    |   |          |
| 7                         |       | +ltree_TCH2_release                                                                                                                                                 |                                    |   |          |
| 8                         |       | (TCV_Null := OO_TguardTimeOut())                                                                                                                                    |                                    |   |          |
| 9                         |       | CANCEL                                                                                                                                                              |                                    | I | 3.       |
| 10                        |       | L?OTHERWISE                                                                                                                                                         |                                    |   | 2.       |
| 11                        |       | +ltree_SDCCH1_release                                                                                                                                               |                                    |   |          |
| 12                        |       | +ltree_SDCCH2_release                                                                                                                                               |                                    |   |          |
| 13                        |       | +ltree_TCH1_release                                                                                                                                                 |                                    |   |          |
| 14                        |       | +ltree_TCH2_release                                                                                                                                                 |                                    |   |          |
| 15                        |       | L?DL_RelIn                                                                                                                                                          | DLRelInd_01                        |   |          |
| 16                        |       | CANCEL                                                                                                                                                              |                                    | I | 3.       |
| 17                        |       | ?TIMEOUT T_guard                                                                                                                                                    |                                    |   | 1.       |
| 18                        |       | CANCEL                                                                                                                                                              |                                    | I | 3.       |
|                           |       | <b>ltree_SDCCH1_release</b>                                                                                                                                         |                                    |   |          |
| 19                        |       | [TCV_ch <> "dummy"]                                                                                                                                                 |                                    |   |          |
| 20                        |       | L!DL_DatRqChRel                                                                                                                                                     | ChRel(TCV_ch,<br>ChRelease_01)     |   |          |
| 21                        |       | [TCV_ch = "dummy"]                                                                                                                                                  |                                    |   |          |
|                           |       | <b>ltree_SDCCH2_release</b>                                                                                                                                         |                                    |   |          |
| 22                        |       | [TCV_ch1 <> "dummy"]                                                                                                                                                |                                    |   |          |
| 23                        |       | L!DL_DatRqChRel                                                                                                                                                     | ChRel(TCV_ch1,<br>ChRelease_01)    |   |          |
| 24                        |       | [TCV_ch1 = "dummy"]                                                                                                                                                 |                                    |   |          |
|                           |       | <b>ltree_TCH1_release</b>                                                                                                                                           |                                    |   |          |
| 25                        |       | [TCV_chTch <> "dummy"]                                                                                                                                              |                                    |   |          |
| 26                        |       | L!DL_DatRqChRel                                                                                                                                                     | ChRel(TCV_chTch,<br>ChRelease_01)  |   |          |
| 27                        |       | [TCV_chTch = "dummy"]                                                                                                                                               |                                    |   |          |
|                           |       | <b>ltree_TCH2_release</b>                                                                                                                                           |                                    |   |          |
| 28                        |       | [TCV_chTch1 <> "dummy"]                                                                                                                                             |                                    |   |          |
| 29                        |       | L!DL_DatRqChRel                                                                                                                                                     | ChRel(TCV_chTch1,<br>ChRelease_01) |   |          |
| 30                        |       | [TCV_chTch1 = "dummy"]                                                                                                                                              |                                    |   |          |
| <b>Detailed Comments:</b> |       | 1. The guard timer times out, inconclusive.<br>2. Unexpected events, inconclusive.<br>3. Cancel of all running timers.<br>4. Local end termination request allowed. |                                    |   |          |

| Default Dynamic Behaviour |       |                                                                                                                |                                    |   |          |
|---------------------------|-------|----------------------------------------------------------------------------------------------------------------|------------------------------------|---|----------|
| <b>Default Name:</b>      |       | OtherEventsFail                                                                                                |                                    |   |          |
| <b>Group:</b>             |       | GSM_L3_MS_v4160/                                                                                               |                                    |   |          |
| <b>Objective:</b>         |       | To match unexpected events and fail the test case.                                                             |                                    |   |          |
| Nr                        | Label | Behaviour Description                                                                                          | CRef                               | V | Comments |
| 1                         |       | L?DL_Relln                                                                                                     | DLRelInd_02                        |   |          |
| 2                         |       | RETURN                                                                                                         |                                    |   |          |
| 3                         |       | ?TIMEOUT T_guard                                                                                               |                                    |   | 1.       |
| 4                         |       | +ltree_SDCCH1_release                                                                                          |                                    |   |          |
| 5                         |       | +ltree_SDCCH2_release                                                                                          |                                    |   |          |
| 6                         |       | +ltree_TCH1_release                                                                                            |                                    |   |          |
| 7                         |       | +ltree_TCH2_release                                                                                            |                                    |   |          |
| 8                         |       | (TCV_Null := OO_TguardTimeOut())                                                                               |                                    |   |          |
| 9                         |       | CANCEL                                                                                                         |                                    | I | 3.       |
| 10                        |       | L?OTHERWISE                                                                                                    |                                    |   | 2.       |
| 11                        |       | +ltree_SDCCH1_release                                                                                          |                                    |   |          |
| 12                        |       | +ltree_SDCCH2_release                                                                                          |                                    |   |          |
| 13                        |       | +ltree_TCH1_release                                                                                            |                                    |   |          |
| 14                        |       | +ltree_TCH2_release                                                                                            |                                    |   |          |
| 15                        |       | L?DL_Relln                                                                                                     | DLRelInd_01                        |   |          |
| 16                        |       | CANCEL                                                                                                         |                                    | F | 3.       |
| 17                        |       | ?TIMEOUT T_guard                                                                                               |                                    |   |          |
| 18                        |       | CANCEL                                                                                                         |                                    | F | 3.       |
|                           |       | <b>ltree_SDCCH1_release</b>                                                                                    |                                    |   |          |
| 19                        |       | [TCV_ch <> "dummy"]                                                                                            |                                    |   |          |
| 20                        |       | LIDL_DatRqChRel                                                                                                | ChRel(TCV_ch,<br>ChRelease_01)     |   |          |
| 21                        |       | [TCV_ch = "dummy"]                                                                                             |                                    |   |          |
|                           |       | <b>ltree_SDCCH2_release</b>                                                                                    |                                    |   |          |
| 22                        |       | [TCV_ch1 <> "dummy"]                                                                                           |                                    |   |          |
| 23                        |       | LIDL_DatRqChRel                                                                                                | ChRel(TCV_ch1,<br>ChRelease_01)    |   |          |
| 24                        |       | [TCV_ch1 = "dummy"]                                                                                            |                                    |   |          |
|                           |       | <b>ltree_TCH1_release</b>                                                                                      |                                    |   |          |
| 25                        |       | [TCV_chTch <> "dummy"]                                                                                         |                                    |   |          |
| 26                        |       | LIDL_DatRqChRel                                                                                                | ChRel(TCV_chTch,<br>ChRelease_01)  |   |          |
| 27                        |       | [TCV_chTch = "dummy"]                                                                                          |                                    |   |          |
|                           |       | <b>ltree_TCH2_release</b>                                                                                      |                                    |   |          |
| 28                        |       | [TCV_chTch1 <> "dummy"]                                                                                        |                                    |   |          |
| 29                        |       | LIDL_DatRqChRel                                                                                                | ChRel(TCV_chTch1,<br>ChRelease_01) |   |          |
| 30                        |       | [TCV_chTch1 = "dummy"]                                                                                         |                                    |   |          |
| <b>Detailed Comments:</b> |       | 1. The guard timer times out, inconclusive.<br>2. Unexpected events, fail.<br>3. Cancel of all running timers. |                                    |   |          |

| Default Dynamic Behaviour   |       |                                                                                                                                                                                                                                                                                                                                                              |                                 |   |          |
|-----------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---|----------|
| <b>Default Name:</b>        |       | OtherEventsFail_01                                                                                                                                                                                                                                                                                                                                           |                                 |   |          |
| <b>Group:</b>               |       | GSM_L3_MS_v4160/                                                                                                                                                                                                                                                                                                                                             |                                 |   |          |
| <b>Objective:</b>           |       | To match irrelevant CHANNEL REQUEST msg and MEASUREMENT REPORT msg and return or match other unexpected events and fail the test case.                                                                                                                                                                                                                       |                                 |   |          |
| Nr                          | Label | Behaviour Description                                                                                                                                                                                                                                                                                                                                        | CRef                            | V | Comments |
| 1                           |       | L?DL_Relln                                                                                                                                                                                                                                                                                                                                                   | DLRelInd_01                     |   | 6.       |
| 2                           |       | RETURN                                                                                                                                                                                                                                                                                                                                                       |                                 |   |          |
| 3                           |       | ?TIMEOUT T_guard                                                                                                                                                                                                                                                                                                                                             |                                 |   | 1.       |
| 4                           |       | +ltree_SDCCH1_release                                                                                                                                                                                                                                                                                                                                        |                                 |   |          |
| 5                           |       | +ltree_SDCCH2_release                                                                                                                                                                                                                                                                                                                                        |                                 |   |          |
| 6                           |       | +ltree_TCH1_release                                                                                                                                                                                                                                                                                                                                          |                                 |   |          |
| 7                           |       | +ltree_TCH2_release                                                                                                                                                                                                                                                                                                                                          |                                 |   |          |
| 8                           |       | (TCV_Null := OO_TguardTimeOut())                                                                                                                                                                                                                                                                                                                             |                                 |   |          |
| 9                           |       | CANCEL                                                                                                                                                                                                                                                                                                                                                       |                                 | I | 5.       |
| 10                          |       | L?DL_RacInChRq                                                                                                                                                                                                                                                                                                                                               | ChReq(ChRequest_02)             |   | 2.       |
| 11                          |       | RETURN                                                                                                                                                                                                                                                                                                                                                       |                                 |   |          |
| 12                          |       | L?DL_UdatInMsRpt                                                                                                                                                                                                                                                                                                                                             | MsrRept_02                      |   | 3.       |
| 13                          |       | RETURN                                                                                                                                                                                                                                                                                                                                                       |                                 |   |          |
| 14                          |       | L?OTHERWISE                                                                                                                                                                                                                                                                                                                                                  |                                 |   | 4.       |
| 15                          |       | +ltree_SDCCH1_release                                                                                                                                                                                                                                                                                                                                        |                                 |   |          |
| 16                          |       | +ltree_SDCCH2_release                                                                                                                                                                                                                                                                                                                                        |                                 |   |          |
| 17                          |       | +ltree_TCH1_release                                                                                                                                                                                                                                                                                                                                          |                                 |   |          |
| 18                          |       | +ltree_TCH2_release                                                                                                                                                                                                                                                                                                                                          |                                 |   |          |
| 19                          |       | L?DL_Relln                                                                                                                                                                                                                                                                                                                                                   | DLRelInd_01                     |   |          |
| 20                          |       | CANCEL                                                                                                                                                                                                                                                                                                                                                       |                                 | F | 5.       |
| 21                          |       | ?TIMEOUT T_guard                                                                                                                                                                                                                                                                                                                                             |                                 |   |          |
| 22                          |       | CANCEL                                                                                                                                                                                                                                                                                                                                                       |                                 | F | 5.       |
| <b>ltree_SDCCH1_release</b> |       |                                                                                                                                                                                                                                                                                                                                                              |                                 |   |          |
| 23                          |       | [TCV_ch <> "dummy"]                                                                                                                                                                                                                                                                                                                                          |                                 |   |          |
| 24                          |       | L!DL_DatRqChRel                                                                                                                                                                                                                                                                                                                                              | ChRel(TCV_ch, ChRelease_01)     |   |          |
| 25                          |       | [TCV_ch = "dummy"]                                                                                                                                                                                                                                                                                                                                           |                                 |   |          |
| <b>ltree_SDCCH2_release</b> |       |                                                                                                                                                                                                                                                                                                                                                              |                                 |   |          |
| 26                          |       | [TCV_ch1 <> "dummy"]                                                                                                                                                                                                                                                                                                                                         |                                 |   |          |
| 27                          |       | L!DL_DatRqChRel                                                                                                                                                                                                                                                                                                                                              | ChRel(TCV_ch1, ChRelease_01)    |   |          |
| 28                          |       | [TCV_ch1 = "dummy"]                                                                                                                                                                                                                                                                                                                                          |                                 |   |          |
| <b>ltree_TCH1_release</b>   |       |                                                                                                                                                                                                                                                                                                                                                              |                                 |   |          |
| 29                          |       | [TCV_chTch <> "dummy"]                                                                                                                                                                                                                                                                                                                                       |                                 |   |          |
| 30                          |       | L!DL_DatRqChRel                                                                                                                                                                                                                                                                                                                                              | ChRel(TCV_chTch, ChRelease_01)  |   |          |
| 31                          |       | [TCV_chTch = "dummy"]                                                                                                                                                                                                                                                                                                                                        |                                 |   |          |
| <b>ltree_TCH2_release</b>   |       |                                                                                                                                                                                                                                                                                                                                                              |                                 |   |          |
| 32                          |       | [TCV_chTch1 <> "dummy"]                                                                                                                                                                                                                                                                                                                                      |                                 |   |          |
| 33                          |       | L!DL_DatRqChRel                                                                                                                                                                                                                                                                                                                                              | ChRel(TCV_chTch1, ChRelease_01) |   |          |
| 34                          |       | [TCV_chTch1 = "dummy"]                                                                                                                                                                                                                                                                                                                                       |                                 |   |          |
| <b>Detailed Comments:</b>   |       | <ol style="list-style-type: none"> <li>1. The guard timer times out, inconclusive.</li> <li>2. To throw away any irrelevant channel request.</li> <li>3. To throw away any measurement report.</li> <li>4. Other unexpected events, fail.</li> <li>5. Cancel of all running timers.</li> <li>6. Cover also DLRelInd_02 for local end termination.</li> </ol> |                                 |   |          |

| Default Dynamic Behaviour |       |                                                                                                                                                                                                                                        |                                    |   |          |
|---------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---|----------|
| <b>Default Name:</b>      |       | OtherEventsFail_02                                                                                                                                                                                                                     |                                    |   |          |
| <b>Group:</b>             |       | GSM_L3_MS_v4160/                                                                                                                                                                                                                       |                                    |   |          |
| <b>Objective:</b>         |       | To match unexpected events and fail the test case but ignore channel request messages that are sent before the lower tester has sent (and the MS received) the Immediate Assignment message.                                           |                                    |   |          |
| Nr                        | Label | Behaviour Description                                                                                                                                                                                                                  | CRef                               | V | Comments |
| 1                         |       | L?DL_Relln                                                                                                                                                                                                                             | DLRelInd_02                        |   |          |
| 2                         |       | RETURN                                                                                                                                                                                                                                 |                                    |   |          |
| 3                         |       | L?DL_RaInChRq                                                                                                                                                                                                                          | ChReq(ChRequest_0<br>2)            |   | 1.       |
| 4                         |       | RETURN                                                                                                                                                                                                                                 |                                    |   |          |
| 5                         |       | ?TIMEOUT T_guard                                                                                                                                                                                                                       |                                    |   | 2.       |
| 6                         |       | +ltree_SDCCH1_release                                                                                                                                                                                                                  |                                    |   |          |
| 7                         |       | +ltree_SDCCH2_release                                                                                                                                                                                                                  |                                    |   |          |
| 8                         |       | +ltree_TCH1_release                                                                                                                                                                                                                    |                                    |   |          |
| 9                         |       | +ltree_TCH2_release                                                                                                                                                                                                                    |                                    |   |          |
| 10                        |       | (TCV_Null := OO_TguardTimeOut())                                                                                                                                                                                                       |                                    |   |          |
| 11                        |       | CANCEL                                                                                                                                                                                                                                 |                                    | I | 4.       |
| 12                        |       | L?OTHERWISE                                                                                                                                                                                                                            |                                    |   | 3.       |
| 13                        |       | +ltree_SDCCH1_release                                                                                                                                                                                                                  |                                    |   |          |
| 14                        |       | +ltree_SDCCH2_release                                                                                                                                                                                                                  |                                    |   |          |
| 15                        |       | +ltree_TCH1_release                                                                                                                                                                                                                    |                                    |   |          |
| 16                        |       | +ltree_TCH2_release                                                                                                                                                                                                                    |                                    |   |          |
| 17                        |       | L?DL_Relln                                                                                                                                                                                                                             | DLRelInd_01                        |   |          |
| 18                        |       | CANCEL                                                                                                                                                                                                                                 |                                    | F | 4.       |
| 19                        |       | ?TIMEOUT T_guard                                                                                                                                                                                                                       |                                    |   |          |
| 20                        |       | CANCEL                                                                                                                                                                                                                                 |                                    | F | 4.       |
|                           |       | <b>ltree_SDCCH1_release</b>                                                                                                                                                                                                            |                                    |   |          |
| 21                        |       | [TCV_ch <> "dummy"]                                                                                                                                                                                                                    |                                    |   |          |
| 22                        |       | L!DL_DatRqChRel                                                                                                                                                                                                                        | ChRel(TCV_ch,<br>ChRelease_01)     |   |          |
| 23                        |       | [TCV_ch = "dummy"]                                                                                                                                                                                                                     |                                    |   |          |
|                           |       | <b>ltree_SDCCH2_release</b>                                                                                                                                                                                                            |                                    |   |          |
| 24                        |       | [TCV_ch1 <> "dummy"]                                                                                                                                                                                                                   |                                    |   |          |
| 25                        |       | L!DL_DatRqChRel                                                                                                                                                                                                                        | ChRel(TCV_ch1,<br>ChRelease_01)    |   |          |
| 26                        |       | [TCV_ch1 = "dummy"]                                                                                                                                                                                                                    |                                    |   |          |
|                           |       | <b>ltree_TCH1_release</b>                                                                                                                                                                                                              |                                    |   |          |
| 27                        |       | [TCV_chTch <> "dummy"]                                                                                                                                                                                                                 |                                    |   |          |
| 28                        |       | L!DL_DatRqChRel                                                                                                                                                                                                                        | ChRel(TCV_chTch,<br>ChRelease_01)  |   |          |
| 29                        |       | [TCV_chTch = "dummy"]                                                                                                                                                                                                                  |                                    |   |          |
|                           |       | <b>ltree_TCH2_release</b>                                                                                                                                                                                                              |                                    |   |          |
| 30                        |       | [TCV_chTch1 <> "dummy"]                                                                                                                                                                                                                |                                    |   |          |
| 31                        |       | L!DL_DatRqChRel                                                                                                                                                                                                                        | ChRel(TCV_chTch1,<br>ChRelease_01) |   |          |
| 32                        |       | [TCV_chTch1 = "dummy"]                                                                                                                                                                                                                 |                                    |   |          |
| <b>Detailed Comments:</b> |       | <ol style="list-style-type: none"> <li>1. To throw away any irrelevant channel request.</li> <li>2. The guard timer times out, inconclusive.</li> <li>3. Unexpected events, fail.</li> <li>4. Cancel of all running timers.</li> </ol> |                                    |   |          |



| Default Dynamic Behaviour |       |                                                     |      |   |          |
|---------------------------|-------|-----------------------------------------------------|------|---|----------|
| <b>Default Name:</b>      |       | OtherEvents_01                                      |      |   |          |
| <b>Group:</b>             |       | GSM_L3_MS_v4160/                                    |      |   |          |
| <b>Objective:</b>         |       | To match irrelevant messages and return             |      |   |          |
| Nr                        | Label | Behaviour Description                               | CRef | V | Comments |
| 1                         |       | L?OTHERWISE                                         |      |   | 1.       |
| 2                         |       | RETURN                                              |      |   |          |
| <b>Detailed Comments:</b> |       | 1. Cover also DLRelnd_02 for local end termination. |      |   |          |

| Default Dynamic Behaviour |       |                                                                                                                                                                                                            |                                    |   |          |
|---------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---|----------|
| <b>Default Name:</b>      |       | OtherEvents_02                                                                                                                                                                                             |                                    |   |          |
| <b>Group:</b>             |       | GSM_L3_MS_v4160/                                                                                                                                                                                           |                                    |   |          |
| <b>Objective:</b>         |       | To match unexpected events and sign final verdict for preambles but ignore channel request messages that are sent before the lower tester has sent (and the MS received) the Immediate Assignment message. |                                    |   |          |
| <b>Comments:</b>          |       | used in preambles.                                                                                                                                                                                         |                                    |   |          |
| Nr                        | Label | Behaviour Description                                                                                                                                                                                      | CRef                               | V | Comments |
| 1                         |       | L?DL_Relln                                                                                                                                                                                                 | DLRelInd_02                        |   |          |
| 2                         |       | RETURN                                                                                                                                                                                                     |                                    |   |          |
| 3                         |       | L?DL_RaInChRq                                                                                                                                                                                              | ChReq(ChRequest_0<br>2)            |   | 1.       |
| 4                         |       | RETURN                                                                                                                                                                                                     |                                    |   |          |
| 5                         |       | ?TIMEOUT T_guard                                                                                                                                                                                           |                                    |   | 2.       |
| 6                         |       | +ltree_SDCCH1_release                                                                                                                                                                                      |                                    |   |          |
| 7                         |       | +ltree_SDCCH2_release                                                                                                                                                                                      |                                    |   |          |
| 8                         |       | +ltree_TCH1_release                                                                                                                                                                                        |                                    |   |          |
| 9                         |       | +ltree_TCH2_release                                                                                                                                                                                        |                                    |   |          |
| 10                        |       | (TCV_Null := OO_TguardTimeOut())                                                                                                                                                                           |                                    |   |          |
| 11                        |       | CANCEL                                                                                                                                                                                                     |                                    | I | 4.       |
| 12                        |       | L?OTHERWISE                                                                                                                                                                                                |                                    |   | 3.       |
| 13                        |       | +ltree_SDCCH1_release                                                                                                                                                                                      |                                    |   |          |
| 14                        |       | +ltree_SDCCH2_release                                                                                                                                                                                      |                                    |   |          |
| 15                        |       | +ltree_TCH1_release                                                                                                                                                                                        |                                    |   |          |
| 16                        |       | +ltree_TCH2_release                                                                                                                                                                                        |                                    |   |          |
| 17                        |       | L?DL_Relln                                                                                                                                                                                                 | DLRelInd_01                        |   |          |
| 18                        |       | CANCEL                                                                                                                                                                                                     |                                    | I | 4.       |
| 19                        |       | ?TIMEOUT T_guard                                                                                                                                                                                           |                                    |   | 2.       |
| 20                        |       | CANCEL                                                                                                                                                                                                     |                                    | I | 4.       |
|                           |       | <b>ltree_SDCCH1_release</b>                                                                                                                                                                                |                                    |   |          |
| 21                        |       | [TCV_ch <> "dummy"]                                                                                                                                                                                        |                                    |   |          |
| 22                        |       | L!DL_DatRqChRel                                                                                                                                                                                            | ChRel(TCV_ch,<br>ChRelease_01)     |   |          |
| 23                        |       | [TCV_ch = "dummy"]                                                                                                                                                                                         |                                    |   |          |
|                           |       | <b>ltree_SDCCH2_release</b>                                                                                                                                                                                |                                    |   |          |
| 24                        |       | [TCV_ch1 <> "dummy"]                                                                                                                                                                                       |                                    |   |          |
| 25                        |       | L!DL_DatRqChRel                                                                                                                                                                                            | ChRel(TCV_ch1,<br>ChRelease_01)    |   |          |
| 26                        |       | [TCV_ch1 = "dummy"]                                                                                                                                                                                        |                                    |   |          |
|                           |       | <b>ltree_TCH1_release</b>                                                                                                                                                                                  |                                    |   |          |
| 27                        |       | [TCV_chTch <> "dummy"]                                                                                                                                                                                     |                                    |   |          |
| 28                        |       | L!DL_DatRqChRel                                                                                                                                                                                            | ChRel(TCV_chTch,<br>ChRelease_01)  |   |          |
| 29                        |       | [TCV_chTch = "dummy"]                                                                                                                                                                                      |                                    |   |          |
|                           |       | <b>ltree_TCH2_release</b>                                                                                                                                                                                  |                                    |   |          |
| 30                        |       | [TCV_chTch1 <> "dummy"]                                                                                                                                                                                    |                                    |   |          |
| 31                        |       | L!DL_DatRqChRel                                                                                                                                                                                            | ChRel(TCV_chTch1,<br>ChRelease_01) |   |          |
| 32                        |       | [TCV_chTch1 = "dummy"]                                                                                                                                                                                     |                                    |   |          |
| <b>Detailed Comments:</b> |       | 1. To throw away any irrelevant channel request.<br>2. The guard timer times out, inconclusive.<br>3. Unexpected events, inconclusive.<br>4. Cancel of all running timers.                                 |                                    |   |          |

| Default Dynamic Behaviour |       |                                                           |             |   |          |
|---------------------------|-------|-----------------------------------------------------------|-------------|---|----------|
| <b>Default Name:</b>      |       | RcvHdOvAcc                                                |             |   |          |
| <b>Group:</b>             |       | GSM_L3_MS_v4160/                                          |             |   |          |
| <b>Objective:</b>         |       | To match any HANDOVER ACCESS then return to calling tree. |             |   |          |
| Nr                        | Label | Behaviour Description                                     | CRef        | V | Comments |
| 1                         |       | L?DL_RacInHoacc                                           | HndOvAcc_01 |   |          |
| 2                         |       | RETURN                                                    |             |   |          |
| <b>Detailed Comments:</b> |       |                                                           |             |   |          |

## Annex B: Partial IXIT proforma

### Introduction

This partial IXIT proforma contained in this ETS, after augmented by the Test Realizer, is proposed to be provided to the client for completion, when the related Abstract Test Suite is to be used against client's Implementation Under Test (IUT).

Text in *italics* is comments for guidance for the production of a IXIT, and is not to be included in the actual IXIT.

The completed IXIT will normally be used in conjunction with the completed ICS, as it adds precision to the information provided by the ICS.

## B.1 Identification Summary

*This table is completed by the test laboratory. The item "Contract References" is optional.*

**Table 1: Identification Summary**

|                            |  |
|----------------------------|--|
| IXIT Reference Number      |  |
| Test Laboratory Name       |  |
| Date of Issue              |  |
| Issued to (name of client) |  |
| Contract References        |  |

## B.2 Abstract Test Suite Summary

*In the following table the test laboratory provides the version number of the protocol specification and the version number of ATS which are used in the conformance testing.*

**Table 2: ATS Summary**

|                                   |                    |
|-----------------------------------|--------------------|
| Protocol Specification            | ETS 300 557        |
| Version of Protocol Specification |                    |
| TSS & TP Specification            | ETS 300 607-1      |
| Version of TSS & TP Specification |                    |
| ATS Specification                 | ETS 300 607-3      |
| Version of ATS Specification      |                    |
| Abstract Test Method              | Remote Test Method |

## B.3 Test Laboratory

### B.3.1 Test Laboratory Identification

*The test laboratory provides the following information.*

**Table 3: Test Laboratory Identification**

|                         |  |
|-------------------------|--|
| Name of Test Laboratory |  |
| Postal Address          |  |
| Office address          |  |
| Telephone Number        |  |
| FAX Number              |  |

---

Notwithstanding the provisions of the copyright clause related to the text of the present ETS (see the front page), ETS grants users of this ETS to freely reproduce the partial IXIT proforma in this clause so that it can be used for its intended purposes and may further publish the completed IXIT

**B.3.2 Accreditation status of the test service**

*The test laboratory provides the following information.*

**Table 4: Accreditation status of the test service**

|                         |  |
|-------------------------|--|
| Accreditation status    |  |
| Accreditation Reference |  |

**B.3.3 Manager of Test Laboratory**

*The test laboratory provides the information about the manager of test laboratory in the following table.*

**Table 5: Manager of Test Laboratory**

|                                    |  |
|------------------------------------|--|
| Name of Manager of Test Laboratory |  |
| Telephone Number                   |  |
| FAX Number                         |  |
| E-mail Address                     |  |

**B.3.4 Contact person of Test Laboratory**

*The test laboratory provides the information about the contact person of test laboratory in the following table.*

**Table 6: Contact person of Test Laboratory**

|                                    |  |
|------------------------------------|--|
| Name of Contact of Test Laboratory |  |
| Telephone Number                   |  |
| FAX Number                         |  |
| E-mail Address                     |  |

**B.3.5 Means of Testing**

*In the table below, the test laboratory provides a statement of conformance of the Means Of Testing (MOT) to the reference standardised ATS, and identifies all restrictions for the test execution required by the MOT beyond those stated in the reference standardised ATS.*

**Table 7: Means of Testing**

| Means of Testing |
|------------------|
|------------------|

**B.3.6 Instructions for Completion**

*In this table, the test laboratory provides any specific instructions necessary for completion and return of the proforma from the client.*

Table 8: Instruction for Completion

| Instructions for Completion |
|-----------------------------|
|                             |

**B.4 Client**

**B.4.1 Client Identification**

*The client provides the identification in the following table.*



**Table 9: Client Identification**

|                  |  |
|------------------|--|
| Name of Client   |  |
| Postal Address   |  |
| Office Address   |  |
| Telephone Number |  |
| FAX Number       |  |

**B.4.2 Client Test Manager**

*In this table the client provides information about the test manager.*

**Table 10: Client Test Manager**

|                             |  |
|-----------------------------|--|
| Name of Client Test Manager |  |
| Telephone Number            |  |
| FAX Number                  |  |
| E-mail Address              |  |

**B.4.3 Client Contact person**

*In this table the client provides information about the test contact person.*

**Table 11: Client Contact person**

|                               |  |
|-------------------------------|--|
| Name of Client contact person |  |
| Telephone Number              |  |
| FAX Number                    |  |
| E-mail Address                |  |

**B.4.4 Test Facilities Required**

*In the following table, the client records the particular facilities required for testing, if a range of facilities is provided by the test laboratory.*

**Table 12: Test Facilities Required**

| Test Facilities Required |
|--------------------------|
|--------------------------|

**B.5 System Under Test**

**B.5.1 SUT Information**

*The client provides information about the SUT in the table below.*

Table 13: SUT Information

|                                 |  |
|---------------------------------|--|
| System Name                     |  |
| System Version                  |  |
| SCS Reference                   |  |
| Machine Configuration           |  |
| Operating System Identification |  |
| IUT Identification              |  |
| ICS Reference for the IUT       |  |

**B.5.2 Limitations of the SUT**

*In the table below, the client provides information explaining if any of the abstract tests cannot be executed.*

Table 14: Limitation of the SUT

| Limitations of the SUT |
|------------------------|
|------------------------|

**B.5.3 Environmental Conditions**

*In the table below the client provides information about any tighter environmental conditions for the correct operation of the SUT.*

**Table 15: Environmental Conditions**

| Environmental Conditions |
|--------------------------|
|                          |

**B.6 Ancillary Protocols**

*This clause is completed by the client in conjunction with the test laboratory.*

In the following tables, the client identifies relevant information concerning each ancillary protocol in the SUT other than the IUT itself. One table for one ancillary protocol

Based on the MOT the test laboratory should create question proformas for each ancillary protocol in the blank space following each table. The information required is dependent on the MOT and the SUT, and covers all the addressing, parameter values, timer values and facilities (relevant to ETSS) as defined by the ICS for the ancillary protocol.

### B.6.1 Ancillary Protocols 1

**Table 16: Ancillary Protocol 1**

|                           |         |
|---------------------------|---------|
| Protocol Name             | ETS 300 |
| Version number            |         |
| ICS Reference (optional)  |         |
| IXIT Reference (optional) |         |
| PCTR Reference (optional) |         |

### B.6.2 Ancillary Protocols 2

**Table 17: Ancillary Protocol 2**

|                           |         |
|---------------------------|---------|
| Protocol Name             | ETS 300 |
| Version number            |         |
| ICS Reference (optional)  |         |
| IXIT Reference (optional) |         |
| PCTR Reference (optional) |         |

## B.7 Protocol Layer Information for L3 of Mobile Station

*This clause is completed by the test laboratory*

### B.7.1 Protocol Identification

**Table 18: Protocol Identification**

|                         |                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Specification Reference | ETS 300 557 European digital cellular telecommunications system (phase 2); Mobile radio interface layer 3 specification (GSM 04.08) |
| Version of Protocol     |                                                                                                                                     |
| ICS Reference           |                                                                                                                                     |

### B.7.2 Parameter Values

#### B.7.2.1 Parameters related to Physical Resources

##### B.7.2.1.1 Parameter TSPX\_AltNb

In the default test condition, there are two set of ARFCNs for neighbour cells BCCH/CCCH carriers available, one set is {10, 80, 90, 100, 110, 120} for GSM900 or {520, 600, 700, 780, 810, 870} for DCS1800, an alternative is {15, 85, 95, 105, 115, 122} for GSM 900 or {530, 610, 710, 790, 820, 880} for DCS1800. The value of TRUE selects the alternative set.

Table 19: Parameter TSPX\_AltNb

|                                                                                   |            |
|-----------------------------------------------------------------------------------|------------|
| Parameter Name                                                                    | TSPX_AltNb |
| Parameter Type                                                                    | BOOLEAN    |
| Parameter Value                                                                   |            |
| References:<br>TSPX_AltNb is used in: all test cases except RR and MM test group. |            |

**B.7.2.1.2 Parameter TSPX\_BCCHcarrierA**

In the default test condition, BCCH/CCCH carrier for cell A could be one of the following ARFCNs 20, 40 and 60 for GSM900 or one of the following ARFCNs 590, 690 and 830 for DCS1800. The parameter TSPX\_BCCHcarrierA specifies which one is used in the test.

Table 20: Parameter TSPX\_BCCHcarrierA

|                                                                                          |                   |
|------------------------------------------------------------------------------------------|-------------------|
| Parameter Name                                                                           | TSPX_BCCHcarrierA |
| Parameter Type                                                                           | INTEGER           |
| Parameter Value                                                                          |                   |
| References:<br>TSPX_BCCHcarrierA is used in: all test cases except RR and MM test group. |                   |

**B.7.2.1.3 Parameter TSPX\_BCCHcarrierB**

In invalid/inopportune test, Idle mode test, and CC test group, an emulation of two cells, cell A and cell B, is needed. The parameter TSPX\_BCCHcarrierB specifies the ARFCN used for BCCH/CCCH carrier of cell B. the value of TSPX\_BCCHcarrierB can be selected from {10, 80, 90, 100, 110,120} for GSM900 or {520, 600, 700, 780, 810, 870} for DCS1800 when the TSPX\_AltNb = FALSE, or form {15, 85, 95, 105, 115, 122} for GSM900 or {530, 610, 710, 790, 820, 880} for DCS1800 when the TSPX\_AltNb = TRUE.

Table 21: Parameter TSPX\_BCCHcarrierB

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Parameter Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | TSPX_BCCHcarrierB |
| Parameter Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | INTEGER           |
| Parameter Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |
| References:<br>TSPX_BCCHcarrierB is used in:<br>TC_26_3_4, TC_26_5_4_1, TC_26_5_5_2_3, TC_26_5_6_1_1, TC_26_5_6_1_2, TC_26_7_1,<br>TC_26_7_2_2, TC_26_7_4_1, TC_26_7_4_2_1, TC_26_7_4_2_2_1, TC_26_7_4_2_2_2,<br>TC_26_7_4_2_3, TC_26_7_4_2_4_1, TC_26_7_4_2_4_3, TC_26_7_4_2_4_5, TC_26_7_4_3_1,<br>TC_26_7_4_3_2, TC_26_7_4_3_3, TC_26_7_4_3_4, TC_26_7_4_4, TC_26_7_4_5_3,<br>TC_26_7_4_5_4_1, TC_26_7_4_5_4_2, TC_26_7_4_5_3, TC_26_7_4_6, TC_26_7_5_7_1,<br>TC_26_8_1_4_3_2, TC_26_8_2_1 |                   |

**B.7.2.1.4 Parameter TSPX\_BCCHcarrierA\_HO**

The parameter TSPX\_BCCHcarrierA\_HO specifies the ARFCN used for BCCH/CCCH carrier of cell A in handover test cases. If the mobile station under test is GSM mobile state, the value of the parameter shall be 20. If the MS under test is DCS mobile station the value shall be 747.

Table 22: Parameter TSPX\_BCCHcarrierA\_HO

|                                                                                                                                                                                                                                                                                                  |                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Parameter Name                                                                                                                                                                                                                                                                                   | TSPX_BCCHcarrierA_HO |
| Parameter Type                                                                                                                                                                                                                                                                                   | INTEGER              |
| Parameter Value                                                                                                                                                                                                                                                                                  |                      |
| References:<br>TSPX_BCCHcarrierA_HO is used in: TC_26_6_5_1_2, TC_26_6_5_1_4, TC_26_6_5_1_5, TC_26_6_5_1_6, TC_26_6_5_1_7, TC_26_6_5_1_8, TC_26_6_5_2_1, TC_26_6_5_2_2, TC_26_6_5_2_3, TC_26_6_5_2_4, TC_26_6_5_2_6, TC_26_6_5_2_7, TC_26_6_5_2_9, TC_26_6_5_2_10, TC_26_6_5_4_1, TC_26_6_5_4_3. |                      |

**B.7.2.1.5 Parameter TSPX\_BCCHcarrierB\_HO**

The parameter TSPX\_BCCHcarrierB\_HO specifies the ARFCN used for BCCH/CCCH carrier of cell B in handover test cases. If the mobile station under test is GSM mobile state, the value of the parameter shall be 40. If the MS under test is DCS mobile station the value shall be 764.

Table 23: Parameter TSPX\_BCCHcarrierB\_HO

|                                                                                                                                                                                                                                                                                                                                                              |                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Parameter Name                                                                                                                                                                                                                                                                                                                                               | TSPX_BCCHcarrierB_HO |
| Parameter Type                                                                                                                                                                                                                                                                                                                                               | INTEGER              |
| Parameter Value                                                                                                                                                                                                                                                                                                                                              |                      |
| References:<br>TSPX_BCCHcarrierB_HO is used in: TC_26_6_5_1_1, TC_26_6_5_1_3, TC_26_6_5_1_5, TC_26_6_5_1_7, TC_26_6_5_2_1, TC_26_6_5_2_2, TC_26_6_5_2_3, TC_26_6_5_2_4, TC_26_6_5_2_5, TC_26_6_5_2_6, TC_26_6_5_2_7, TC_26_6_5_2_8, TC_26_6_5_2_9, TC_26_6_5_2_10, TC_26_6_5_3_1, TC_26_6_5_3_2, TC_26_6_5_4_1, TC_26_6_5_4_2, TC_26_6_5_4_3, TC_26_6_5_4_4. |                      |

**B.7.2.1.6 Parameter TSPX\_TCHcarrierA**

If there is no special requirement indicated, the carrier for traffic channel or SDCCH channel of cell A could be one of the following ARFCNs 30, 50 and 70 for GSM900 or one of the following ARFCNs 650, 750 and 850 for DCS1800. The parameter TSPX\_TCHcarrierA specifies which one is used in the cell A for the test.

Table 24: Parameter TSPX\_TCHcarrierA

|                                                                                         |                  |
|-----------------------------------------------------------------------------------------|------------------|
| Parameter Name                                                                          | TSPX_TCHcarrierA |
| Parameter Type                                                                          | INTEGER          |
| Parameter Value                                                                         |                  |
| References:<br>TSPX_TCHcarrierA is used in: all test cases except RR and MM test cases. |                  |

**B.7.2.1.7 Parameter TSPX\_TCHcarrierA\_ho**

The parameter TSPX\_TCHcarrierA\_ho specifies TCH and SDCCH channel frequency number of cell A for HO cases. Its value is arbitrarily selected from cell allocation of cell A but not the carrier for BCCH. For GSM testing the cell allocation is 10, 17, 20, 26, 34, 42, 45, 46, 52, 59, 66, 73, 74, 75, 76, 108, 114. For DCS testing the cell allocation is 734, 741, 747, 754, 759, 766, 767, 773, 775, 779, 782, 791, 798, 829, 832, 844.



**Table 25: Parameter TSPX\_TCHcarrierA\_ho**

|                                                                              |                     |
|------------------------------------------------------------------------------|---------------------|
| Parameter Name                                                               | TSPX_TCHcarrierA_ho |
| Parameter Type                                                               | INTEGER             |
| Parameter Value                                                              |                     |
| References:<br>TSPX_TCHcarrierA_ho is used in: TC_26_6_5_1_7, TC_26_6_5_4_4. |                     |

**B.7.2.1.8 Parameter TSPX\_TCHcarrierB**

The parameter TSPX\_TCHcarrierB specifies the ARFCN used for the carrier of traffic channel or SDCCH channel of cell B.

**Table 26: Parameter TSPX\_TCHcarrierB**

|                                                                                                                                                                              |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Parameter Name                                                                                                                                                               | TSPX_TCHcarrierB |
| Parameter Type                                                                                                                                                               | INTEGER          |
| Parameter Value                                                                                                                                                              |                  |
| References:<br>TSPX_TCHcarrierB is used in:<br>TC_26_6_3_4, TC_26_6_5_4_4, TC_26_6_5_5_1, TC_26_6_5_5_2, TC_26_6_5_6, TC_26_6_5_7,<br>TC_26_6_5_8, TC_26_6_5_9, TC_26_8_2_1. |                  |

**B.7.2.1.9 Parameter TSPX\_TCHcarrierB\_ho**

The parameter TSPX\_TCHcarrierB\_ho specifies the ARFCN used for the carrier of traffic channel or SDCCH channel of cell B for handover test cases. Its value is arbitrarily selected from the cell allocation of cell B but not the carrier for BCCH. For GSM testing the cell allocation is 14, 18, 22, 24, 30, 31, 38, 40, 60, 66, 73, 74, 75, 76, 108, 114. For DCS testing the cell allocation is 739, 743, 746, 749, 756, 758, 761, 764, 771, 779, 782, 791, 798, 829, 832, 844.

**Table 27: Parameter TSPX\_TCHcarrierB\_ho**

|                                                                                                                                                                           |                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Parameter Name                                                                                                                                                            | TSPX_TCHcarrierB_ho |
| Parameter Type                                                                                                                                                            | INTEGER             |
| Parameter Value                                                                                                                                                           |                     |
| References:<br>TSPX_TCHcarrierB_ho is used in: TC_26_6_5_1_1, TC_26_6_5_1_2, TC_26_6_5_1_3,<br>TC_26_6_5_2_5, TC_26_6_5_2_8, TC_26_6_5_3_1, TC_26_6_5_3_2, TC_26_6_5_4_4. |                     |

**B.7.2.1.10 Parameter TSPX\_TCHcarrierB2\_ho**

The parameter TSPX\_TCHcarrierB2\_ho specifies the ARFCN used for the carrier of traffic channel or SDCCH channel of cell B for handover test cases. It can be any value selected from cell allocation for cell B, but not BCCH carrier. For GSM testing the cell allocation is 14, 18, 22, 24, 30, 31, 38, 40, 60, 66, 73, 74, 75, 76, 108, 114. For DCS testing the cell allocation is 739, 743, 746, 749, 756, 758, 761, 764, 771, 779, 782, 791, 798, 829, 832, 844.

**Table 28: Parameter TSPX\_TCHcarrierB2\_ho**

|                                                                |                      |
|----------------------------------------------------------------|----------------------|
| Parameter Name                                                 | TSPX_TCHcarrierB2_ho |
| Parameter Type                                                 | INTEGER              |
| Parameter Value                                                |                      |
| References:<br>TSPX_TCHcarrierB2_ho is used in: TC_26_6_5_2_8. |                      |

**B.7.2.1.11 Parameters for Time Slot**

Parameters in the following table represent the Time Slot used. The item 1 to item 8 are used in test cases where the Time Slot values are arbitrarily selected but controllable. The parameters can have any valid values but they shall be different from each other. Item 1 is the default Time Slot used in the test cases where the Time Slot is not specifically indicated. Item 9 can be any valid value but not zero.

**Table 29: Parameters for Time Slot**

| Item | Name               | Type         | Value |
|------|--------------------|--------------|-------|
| 1    | TSPX_TmSlitDef     | BITSTRING[3] |       |
| 2    | TSPX_TmSlitA       | BITSTRING[3] |       |
| 3    | TSPX_TmSlitB       | BITSTRING[3] |       |
| 4    | TSPX_TmSlitC       | BITSTRING[3] |       |
| 5    | TSPX_TmSlitD       | BITSTRING[3] |       |
| 6    | TSPX_TmSlitE       | BITSTRING[3] |       |
| 7    | TSPX_TmSlitF       | BITSTRING[3] |       |
| 8    | TSPX_TmSlitG       | BITSTRING[3] |       |
| 9    | TSPX_TmSlitNotZero | BITSTRING[3] |       |

References:

TSPX\_TmSlitA is used in: TC\_26\_6\_5\_1\_1, TC\_26\_6\_5\_1\_8, TC\_26\_6\_5\_2\_8, TC\_26\_6\_5\_3\_1, TC\_26\_6\_6\_1, TC\_26\_6\_13\_1.

TSPX\_TmSlitB is used in: TC\_26\_6\_5\_1\_1, TC\_26\_6\_5\_1\_2, TC\_26\_6\_5\_2\_9, TC\_26\_6\_5\_3\_2, TC\_26\_6\_5\_4\_3, TC\_26\_6\_6\_1, TC\_26\_6\_13\_1, TC\_26\_6\_13\_2, TC\_26\_6\_13\_6.

TSPX\_TmSlitC is used in: TC\_26\_6\_3\_4, TC\_26\_6\_4\_2\_1, TC\_26\_6\_5\_1\_3, TC\_26\_6\_5\_2\_6, TC\_26\_6\_5\_2\_10, TC\_26\_6\_5\_5\_1, TC\_26\_6\_5\_5\_2, TC\_26\_6\_5\_6, TC\_26\_6\_5\_7, TC\_26\_6\_5\_8, TC\_26\_6\_5\_9, TC\_26\_6\_6\_1, TC\_26\_6\_12\_4, TC\_26\_6\_13\_2, TC\_26\_6\_13\_7, TC\_26\_8\_1\_4\_3\_1, TC\_26\_8\_1\_4\_3\_2, TC\_26\_8\_1\_4\_5\_6, TC\_26\_8\_1\_4\_5\_7, TC\_26\_8\_2\_1.

TSPX\_TmSlitD is used in: TC\_26\_6\_5\_1\_3, TC\_26\_6\_5\_1\_4, TC\_26\_6\_5\_2\_7, TC\_26\_6\_6\_1, TC\_26\_6\_13\_3, TC\_26\_6\_13\_4, TC\_26\_6\_13\_7, TC\_26\_6\_13\_8.

TSPX\_TmSlitE is used in: TC\_26\_6\_5\_1\_5, TC\_26\_6\_5\_2\_8, TC\_26\_6\_6\_1, TC\_26\_6\_13\_3, TC\_26\_6\_13\_8.

TSPX\_TmSlitF is used in: TC\_26\_6\_5\_1\_6, TC\_26\_6\_5\_2\_6, TC\_26\_6\_5\_2\_9, TC\_26\_6\_6\_1, TC\_26\_6\_13\_4, TC\_26\_6\_13\_9.

TSPX\_TmSlitG is used in: TC\_26\_6\_5\_1\_7, TC\_26\_6\_5\_2\_7, TC\_26\_6\_5\_2\_10, TC\_26\_6\_6\_1, TC\_26\_6\_13\_4, TC\_26\_6\_13\_5, TC\_26\_6\_13\_10.

TSPX\_TmSlitDef is used in: all other test cases.

TSPX\_TmSlitNotZero is used in: TC\_26\_6\_5\_1\_2, TC\_26\_6\_5\_1\_5, TC\_26\_6\_5\_1\_6, TC\_26\_6\_5\_1\_7, TC\_26\_6\_5\_1\_8, TC\_26\_6\_5\_2\_2, TC\_26\_6\_5\_2\_4, TC\_26\_6\_5\_2\_5, TC\_26\_6\_5\_3\_1, TC\_26\_6\_5\_3\_2, TC\_26\_6\_5\_4\_1, TC\_26\_6\_5\_4\_2, TC\_26\_6\_5\_4\_4.

**B.7.2.2 Parameters related logical channel****B.7.2.2.1 Parameters for SDDCH4 Subchannels**

The parameters TSPX\_SDCCH4Sub's indicate the TDMA offset of SDCCH4 subchannels. The item 1 to item 4 in the table are used in test cases where the subchannels are arbitrarily selected but controllable. The parameters can have valid values but they shall be different from each other. Item 1 is the default TDMA offset of SDCCH4 subchannel used in the test cases where the subchannel of SDCCH4 is not specifically indicated.

Table 30: Parameters for SDCCH4 subchannels

| Item | Name              | Type         | Value |
|------|-------------------|--------------|-------|
| 1    | TSPX_SDCCH4SubDef | BITSTRING[2] |       |
| 2    | TSPX_SDCCH4SubA   | BITSTRING[2] |       |
| 3    | TSPX_SDCCH4SubB   | BITSTRING[2] |       |
| 4    | TSPX_SDCCH4SubC   | BITSTRING[2] |       |

References:

TSPX\_SDCCH4SubA is used in: TC\_26\_6\_1\_2, TC\_26\_6\_2\_2, TC\_26\_6\_2\_3\_1, TC\_26\_6\_2\_3\_2, TC\_26\_6\_3\_1, TC\_26\_6\_3\_2, TC\_26\_6\_3\_3, TC\_26\_6\_3\_4, TC\_26\_6\_3\_5, TC\_26\_6\_4\_2\_1, TC\_26\_6\_5\_1\_1, TC\_26\_6\_5\_1\_3, TC\_26\_6\_5\_1\_5, TC\_26\_6\_5\_1\_7, TC\_26\_6\_5\_1\_8, TC\_26\_6\_5\_2\_1, TC\_26\_6\_5\_2\_2, TC\_26\_6\_5\_2\_3, TC\_26\_6\_5\_4\_2, TC\_26\_6\_5\_5\_1, TC\_26\_6\_5\_6, TC\_26\_6\_5\_7, TC\_26\_6\_5\_8, TC\_26\_6\_5\_9, TC\_26\_6\_8\_2, TC\_26\_6\_8\_4, TC\_26\_6\_11\_2.

TSPX\_SDCCH4SubB is used in: TC\_26\_6\_1\_2, TC\_26\_6\_1\_4, TC\_26\_6\_2\_1\_2, TC\_26\_6\_2\_2, TC\_26\_6\_2\_3\_1, TC\_26\_6\_2\_3\_2, TC\_26\_6\_3\_4, TC\_26\_6\_4\_2\_2, TC\_26\_6\_5\_1\_2, TC\_26\_6\_5\_1\_4, TC\_26\_6\_5\_1\_6, TC\_26\_6\_5\_3\_1, TC\_26\_6\_5\_3\_2, TC\_26\_6\_5\_5\_1, TC\_26\_6\_5\_5\_2, TC\_26\_6\_5\_6, TC\_26\_6\_5\_7, TC\_26\_6\_5\_8, TC\_26\_6\_5\_9, TC\_26\_6\_8\_3, TC\_26\_6\_8\_4, TC\_26\_6\_8\_5, TC\_26\_6\_13\_5, , TC\_26\_6\_13\_6, TC\_26\_6\_13\_7, TC\_26\_6\_13\_8, TC\_26\_8\_1\_4\_3\_1, TC\_26\_8\_1\_4\_3\_2, TC\_26\_8\_1\_4\_5\_7.

TSPX\_SDCCH4SubC is used in: TC\_26\_6\_2\_1\_1, TC\_26\_6\_5\_5\_1, TC\_26\_6\_5\_8, TC\_26\_6\_8\_4, TC\_26\_6\_11\_1.

TSPX\_SDCCH4SubDef is used in: all other test cases, which use SDCCH4 channel, not listed above.

#### B.7.2.2.2 Parameters for SDDCH8 Subchannels

The parameters TSPX\_SDCCH8Sub's indicate the TDMA offset of SDCCH8 subchannels. The item 1 to item 8 in the table are used in test cases where the subchannels are arbitrarily selected but controllable. The parameters can have any valid values but they shall be different from each other. Item 1 is the default TDMA offset of SDCCH8 subchannel used in the test cases where the subchannel of SDCCH8 is not specifically indicated.

Table 31: Parameters for SDCCH8 subchannels

| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Name              | Type         | Value |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------|-------|
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | TSPX_SDCCH8SubDef | BITSTRING[3] |       |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | TSPX_SDCCH8SubA   | BITSTRING[3] |       |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | TSPX_SDCCH8SubB   | BITSTRING[3] |       |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | TSPX_SDCCH8SubC   | BITSTRING[3] |       |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | TSPX_SDCCH8SubD   | BITSTRING[3] |       |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | TSPX_SDCCH8SubE   | BITSTRING[3] |       |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | TSPX_SDCCH8SubF   | BITSTRING[3] |       |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | TSPX_SDCCH8SubG   | BITSTRING[3] |       |
| References:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |              |       |
| TSPX_SDCCH8SubA is used in: TC_26_6_1_1, TC_26_6_1_4, TC_26_6_1_5, TC_26_6_2_1_1, TC_26_6_2_1_2, TC_26_6_2_1_3, TC_26_6_2_5, TC_26_6_3_1, TC_26_6_3_2, TC_26_6_3_3, TC_26_6_3_4, TC_26_6_3_5, TC_26_6_4_1, TC_26_6_4_2_1, TC_26_6_4_2_2, TC_26_6_5_2_3, TC_26_6_5_2_4, TC_26_6_5_2_8, TC_26_6_5_2_9, TC_26_6_5_2_10, TC_26_6_5_4_1, TC_26_6_5_4_2, TC_26_6_5_4_4, TC_26_6_5_5_1, TC_26_6_5_5_2, TC_26_6_5_6, TC_26_6_5_7, TC_26_6_5_8, TC_26_6_5_9, TC_26_6_6_1, TC_26_6_7_1, TC_26_6_8_1, TC_26_6_8_2, TC_26_6_8_3, TC_26_6_8_4, TC_26_6_8_5, TC_26_6_11_1, TC_26_6_11_2, TC_26_6_13_1, TC_26_6_13_2, TC_26_6_13_3, TC_26_6_13_4, TC_26_6_13_5, TC_26_6_13_6, TC_26_6_13_7, TC_26_6_13_8, TC_26_6_13_9, TC_26_6_13_10. |                   |              |       |
| TSPX_SDCCH8SubB is used in: TC_26_6_1_2, TC_26_6_6_1, TC_26_6_12_1, TC_26_6_13_2, TC_26_6_13_5.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |              |       |
| TSPX_SDCCH8SubC is used in: TC_26_6_1_2, TC_26_6_6_1, TC_26_6_13_2, TC_26_6_13_6.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |              |       |
| TSPX_SDCCH8SubD is used in: TC_26_6_1_5.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |              |       |
| TSPX_SDCCH8SubE is used in: TC_26_6_2_1_3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |              |       |
| TSPX_SDCCH8SubF is used in: TC_26_6_2_5.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |              |       |
| TSPX_SDCCH8SubG is used in: TC_26_6_12_2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |       |
| TSPX_SDCCH8SubDef is used in: TC_26_6_4_1, TC_26_6_5_2_1, TC_26_6_5_2_2, TC_26_6_5_2_3, TC_26_6_5_2_4, TC_26_6_5_2_5, TC_26_6_5_2_6, TC_26_6_5_2_7, TC_26_6_5_2_8, TC_26_6_5_2_9, TC_26_6_5_2_10, TC_26_6_5_4_1, TC_26_6_5_4_2, TC_26_6_5_4_3, TC_26_6_5_4_4, TC_26_6_12_4.                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |              |       |

### B.7.2.2.3 Parameters for Half Rate Traffic Subchannels

The parameters TSPX\_TCHHSub's indicate TDMA offset of Half rate TCH subchannels. The item 1 to item 2 in the table are used in test cases where the subchannels are arbitrarily selected but controllable. The parameters can have any valid values but they shall be different from each other. Item 2 is the default subchannel used in the test cases where the subchannel is not specifically indicated.

Table 32: Parameters for TCHH subchannels

| Item                                                                                                                   | Name            | Type         | Value |
|------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|-------|
| 1                                                                                                                      | TSPX_TCHHSubA   | BITSTRING[1] |       |
| 2                                                                                                                      | TSPX_TCHHSubDef | BITSTRING[1] |       |
| References:                                                                                                            |                 |              |       |
| TSPX_TCHHSubA is used in: TC_26_6_1_1, TC_26_6_4_1, TC_26_6_4_2_1, TC_26_6_6_1, TC_26_6_7_2.                           |                 |              |       |
| TSPX_TCHHSubDef is used in: all other (except test cases listed above) test cases which use half rate traffic channel. |                 |              |       |

**B.7.2.3 Parameters related to Mobile Station**

**B.7.2.3.1 Parameter TSPX\_ChModeA**

In CC test group, it is required to initiate a mobile originating call for a selected basic service supported by the MS under test. During the call setup, a CHANNEL MODE MODIFY message is used to set the channel compatible with the basic service. The parameter TSPX\_ChModeA specifies the compatible Channel Mode information element for basic service TSPX\_BscSrvA.

**Table 33: Parameter TSPX\_ChModeA**

| Parameter Name: TSPX_ChModeA                           |              |       |              |
|--------------------------------------------------------|--------------|-------|--------------|
| Field                                                  | Type         | Value | Comments     |
| iei                                                    | BITSTRING[8] | OMIT  |              |
| mode                                                   | BITSTRING[8] |       | channel mode |
| References:<br>TSPX_ChModeA is used with TSPX_BscSvcA. |              |       |              |

**B.7.2.3.2 Parameter TSPX\_ChModeB**

In CC test group, it is required to initiate a mobile originating call for a selected basic service supported by the MS under test. During the call setup, a CHANNEL MODE MODIFY message is used to set the channel compatible with the basic service. The parameter TSPX\_ChModeB specifies the compatible Channel Mode information element for basic service TSPX\_BscSrvB.

**Table 34: Parameter TSPX\_ChModeB**

| Parameter Name: TSPX_ChModeB                           |              |       |              |
|--------------------------------------------------------|--------------|-------|--------------|
| Field                                                  | Type         | Value | Comments     |
| iei                                                    | BITSTRING[8] | OMIT  |              |
| mode                                                   | BITSTRING[8] |       | channel mode |
| References:<br>TSPX_ChModeB is used with TSPX_BscSvcB. |              |       |              |

**B.7.2.3.3 Parameter TSPX\_ChModeC**

In CC test group, it is required to initiate a mobile originating call for a selected basic service supported by the MS under test. During the call setup, a CHANNEL MODE MODIFY message is used to set the channel compatible with the basic service. The parameter TSPX\_ChModeC specifies the compatible Channel Mode information element for basic service TSPX\_BscSrvC.

**Table 35: Parameter TSPX\_ChModeC**

| Parameter Name: TSPX_ChModeC                           |              |       |              |
|--------------------------------------------------------|--------------|-------|--------------|
| Field                                                  | Type         | Value | Comments     |
| iei                                                    | BITSTRING[8] | OMIT  |              |
| mode                                                   | BITSTRING[8] |       | channel mode |
| References:<br>TSPX_ChModeC is used with TSPX_BscSvcC. |              |       |              |

**B.7.2.3.4 Parameter TSPX\_ChModeD**

In CC test group, it is required to initiate a mobile originating call for a selected basic service supported by the MS under test. During the call setup, a CHANNEL MODE MODIFY message is used to set the channel compatible with the basic service. The parameter TSPX\_ChModeD specifies the compatible Channel Mode information element for basic service TSPX\_BscSrvD.

Table 36: Parameter TSPX\_ChModeD

| Parameter Name: TSPX_ChModeD                           |              |       |              |
|--------------------------------------------------------|--------------|-------|--------------|
| Field                                                  | Type         | Value | Comments     |
| iei                                                    | BITSTRING[8] | OMIT  |              |
| mode                                                   | BITSTRING[8] |       | channel mode |
| References:<br>TSPX_ChModeD is used with TSPX_BscSvcD. |              |       |              |

**B.7.2.3.5 Parameter TSPX\_ChModeE**

In CC test group it is required to initiate a mobile originating call for a selected basic service supported by the MS under test. During the call setup, a CHANNEL MODE MODIFY message is used to set the channel compatible with the basic service. The parameter TSPX\_ChModeE specifies the compatible Channel Mode information element for basic service TSPX\_BscSrvE.

Table 37: Parameter TSPX\_ChModeE

| Parameter Name: TSPX_ChModeE                           |              |       |              |
|--------------------------------------------------------|--------------|-------|--------------|
| Field                                                  | Type         | Value | Comments     |
| iei                                                    | BITSTRING[8] | OMIT  |              |
| mode                                                   | BITSTRING[8] |       | channel mode |
| References:<br>TSPX_ChModeE is used with TSPX_BscSvcE. |              |       |              |

**B.7.2.3.6 Parameter TSPX\_ChModeF**

In CC test group, it is required to initiate a mobile originating call for a selected basic service supported by the MS under test. During the call setup, a CHANNEL MODE MODIFY message is used to set the channel compatible with the basic service. The parameter TSPX\_ChModeF specifies the compatible Channel Mode information element for basic service TSPX\_BscSrvF.

Table 38: Parameter TSPX\_ChModeF

| Parameter Name: TSPX_ChModeF                           |              |       |              |
|--------------------------------------------------------|--------------|-------|--------------|
| Field                                                  | Type         | Value | Comments     |
| iei                                                    | BITSTRING[8] | OMIT  |              |
| mode                                                   | BITSTRING[8] |       | channel mode |
| References:<br>TSPX_ChModeF is used with TSPX_BscSvcF. |              |       |              |

**B.7.2.3.7 Parameter TSPX\_ChModeG**

In CC test group, it is required to initiate a mobile originating call for a selected basic service supported by the MS under test. During the call setup, a CHANNEL MODE MODIFY message is used to set the channel compatible with the basic service. The parameter TSPX\_ChModeG specifies the compatible Channel Mode information element for basic service TSPX\_BscSrvG.

Table 39: Parameter TSPX\_ChModeG

| Parameter Name: TSPX_ChModeG                           |              |       |              |
|--------------------------------------------------------|--------------|-------|--------------|
| Field                                                  | Type         | Value | Comments     |
| iei                                                    | BITSTRING[8] | OMIT  |              |
| mode                                                   | BITSTRING[8] |       | channel mode |
| References:<br>TSPX_ChModeG is used with TSPX_BscSvcG. |              |       |              |

**B.7.2.3.8 Parameter TSPX\_ChModeH**

In CC test group, it is required to initiate a mobile originating call for a selected basic service supported by the MS under test. During the call setup, a CHANNEL MODE MODIFY message is used to set the channel compatible with the basic service. The parameter TSPX\_ChModeH specifies the compatible Channel Mode information element for basic service TSPX\_BscSrvH.

**Table 40: Parameter TSPX\_ChModeH**

| Parameter Name: TSPX_ChModeH            |              |       |              |
|-----------------------------------------|--------------|-------|--------------|
| Field                                   | Type         | Value | Comments     |
| iei                                     | BITSTRING[8] | OMIT  |              |
| mode                                    | BITSTRING[8] |       | channel mode |
| References:<br>TSPX_ChModeH is used in: |              |       |              |

**B.7.2.3.9 Parameter TSPX\_ChModel**

In CC test group, it is required to initiate a mobile originating call for a selected basic service supported by the MS under test. During the call setup, a CHANNEL MODE MODIFY message is used to set the channel compatible with the basic service. The parameter TSPX\_ChModel specifies the compatible Channel Mode information element for basic service TSPX\_BscSrvI.

**Table 41: Parameter TSPX\_ChModel**

| Parameter Name: TSPX_ChModel                           |              |       |              |
|--------------------------------------------------------|--------------|-------|--------------|
| Field                                                  | Type         | Value | Comments     |
| iei                                                    | BITSTRING[8] | OMIT  |              |
| mode                                                   | BITSTRING[8] |       | channel mode |
| References:<br>TSPX_ChModel is used with TSPX_BscSrvI. |              |       |              |

**B.7.2.3.10 Parameter TSPX\_ChModeJ**

In CC test group, it is required to initiate a mobile originating call for a selected basic service supported by the MS under test. During the call setup, a CHANNEL MODE MODIFY message is used to set the channel compatible with the basic service. The parameter TSPX\_ChModeJ specifies the compatible Channel Mode information element for basic service TSPX\_BscSrvJ.

**Table 42: Parameter TSPX\_ChModeJ**

| Parameter Name: TSPX_ChModeJ                           |              |       |              |
|--------------------------------------------------------|--------------|-------|--------------|
| Field                                                  | Type         | Value | Comments     |
| iei                                                    | BITSTRING[8] | OMIT  |              |
| mode                                                   | BITSTRING[8] |       | channel mode |
| References:<br>TSPX_ChModeJ is used with TSPX_BscSrvJ. |              |       |              |

**B.7.2.3.11 Parameter TSPX\_UuInfo**

It is required to initiate a mobile terminating call with a SETUP message which contains a bearer capability supported by the MS and user-user information. The parameter TSPX\_UuInfo specifies the value of the user-user information element.

Table 43: Parameter TSPX\_UuInfo

| Parameter Name: TSPX_UuInfo                                   |                    |             |                                  |
|---------------------------------------------------------------|--------------------|-------------|----------------------------------|
| Field                                                         | Type               | Value       | Comments                         |
| iei                                                           | BITSTRING[8]       | '01111110'B |                                  |
| iel                                                           | OCTETSTRING[1]     |             | length of the element            |
| uupd                                                          | BITSTRING[8]       |             | user-user protocol discriminator |
| uui                                                           | OCTETSTRING[0..64] |             | user-user information            |
| References:<br>TSPX_UuInfo is used in: test case TC_26_8_3_2. |                    |             |                                  |

#### B.7.2.3.12 Parameters for selection of a circuit switched basic services

In CC test group, it is required that for each test, unless otherwise specified, a circuit switched basic service among those supported by the MS shall be chosen arbitrarily (but controllable). The TSPX\_BscSvc's in the following tables represent 10 circuit switched basic services supported by the MS under test. If the number of circuit switched basic services supported by the MS is less than 10 duplicated values shall be used for the rest part of the table.

The possible values are as following:



- "C\_Telephony" : telephony teleservice (TS11),
- "C\_EmgCallSvc" : emergency call teleservice (TS12),
- "C\_AltSpchG3" : alternate speech and G3 fax teleservice (TS61),
- "C\_AutoG3" : automatic G3 fax teleservice (TS62),
- "C\_300cda" : data circuit duplex asynchronous 300 bit/s bearer service (BS21),
- "C\_1200cda" : data circuit duplex asynchronous 1200 bit/s bearer service (BS22),
- "C\_120075cda" : data circuit duplex asynchronous 120075 bit/s bearer service (BS23),
- "C\_2400cda" : data circuit duplex asynchronous 2400 bit/s bearer service (BS24),
- "C\_4800cda" : data circuit duplex asynchronous 4800 bit/s bearer service (BS25),
- "C\_9600cda" : data circuit duplex asynchronous 9600 bit/s bearer service (BS26),
- "C\_1200cda" : data circuit duplex synchronous 1200 bit/s bearer service (BS31),
- "C\_2400cda" : data circuit duplex synchronous 2400 bit/s bearer service (BS32),
- "C\_4800cda" : data circuit duplex synchronous 4800 bit/s bearer service (BS33),
- "C\_9600cda" : data circuit duplex synchronous 9600 bit/s bearer service (BS34),
- "C\_PAD300" : PAD access 300 bit/s bearer service (BS41),
- "C\_PAD1200" : PAD access 1200 bit/s bearer service (BS42),
- "C\_PAD120075" : PAD access 120075 bit/s bearer service (BS43),
- "C\_PAD2400" : PAD access 2400 bit/s bearer service (BS44),
- "C\_PAD4800" : PAD access 4800 bit/s bearer service (BS45),
- "C\_PAD9600" : PAD access 9600 bit/s bearer service (BS46),
- "C\_Pkt2400" : packet access 2400 bit/s bearer service (BS51),
- "C\_Pkt4800" : packet access 4800 bit/s bearer service (BS52),
- "C\_Pkt9600" : packet access 9600 bit/s bearer service (BS53),
- "C\_AltSpchData" : alternate speech/data bearer service (BS61),
- "C\_SpchData" : speech followed data bearer service (BS81),

| Item | Name         | Type      | Value | Comments |
|------|--------------|-----------|-------|----------|
| 1    | TSPX_BscSvcA | IA5String |       |          |
| 2    | TSPX_BscSvcB | IA5String |       |          |
| 3    | TSPX_BscSvcC | IA5String |       |          |
| 4    | TSPX_BscSvcD | IA5String |       |          |
| 5    | TSPX_BscSvcE | IA5String |       |          |
| 6    | TSPX_BscSvcF | IA5String |       |          |
| 7    | TSPX_BscSvcG | IA5String |       |          |
| 8    | TSPX_BscSvcH | IA5String |       |          |
| 9    | TSPX_BscSvcI | IA5String |       |          |
| 10   | TSPX_BscSvcJ | IA5String |       |          |

Remarks:

TSPX\_BscSvcA is used in : TC\_26\_8\_1\_2\_2\_1, TC\_26\_8\_1\_2\_3\_4, TC\_26\_8\_1\_2\_4\_7, TC\_26\_8\_1\_2\_8\_1, TC\_26\_8\_1\_2\_8\_4, TC\_26\_8\_1\_3\_2\_1, TC\_26\_8\_1\_3\_4\_8, TC\_26\_8\_1\_3\_5\_3, TC\_26\_8\_3.

TSPX\_BscSvcB is used in : TC\_26\_8\_1\_2\_2\_2, TC\_26\_8\_1\_2\_3\_1, TC\_26\_8\_1\_2\_3\_5, TC\_26\_8\_1\_2\_8\_2, TC\_26\_8\_1\_3\_3\_1, TC\_26\_8\_1\_3\_5\_4, TC\_26\_8\_1\_3\_5\_7.

TSPX\_BscSvcC is used in : TC\_26\_8\_1\_2\_2\_3, TC\_26\_8\_1\_2\_3\_2, TC\_26\_8\_1\_2\_3\_6, TC\_26\_8\_1\_2\_5\_4, TC\_26\_8\_1\_2\_9\_4, TC\_26\_8\_1\_3\_3\_3, TC\_26\_8\_1\_3\_5\_5, TC\_26\_8\_1\_3\_5\_9, TC\_26\_8\_1\_4\_3\_1.

TSPX\_BscSvcD is used in : TC\_26\_8\_1\_2\_3\_3, TC\_26\_8\_1\_2\_3\_7, TC\_26\_8\_1\_2\_4\_11, TC\_26\_8\_1\_2\_5\_5, TC\_26\_8\_1\_2\_9\_5, TC\_26\_8\_1\_3\_3\_2, TC\_26\_8\_1\_3\_3\_4, TC\_26\_8\_1\_3\_5\_6, TC\_26\_8\_1\_4\_2\_1.

TSPX\_BscSvcE is used in : TC\_26\_8\_1\_2\_4\_1, TC\_26\_8\_1\_2\_4\_8, TC\_26\_8\_1\_2\_4\_10, TC\_26\_8\_1\_2\_4\_12, TC\_26\_8\_1\_2\_5\_6, TC\_26\_8\_1\_2\_5\_8, TC\_26\_8\_1\_3\_3\_5, TC\_26\_8\_1\_3\_4\_1, TC\_26\_8\_1\_3\_5\_8, TC\_26\_8\_1\_4\_3\_2.

TSPX\_BscSvcF is used in : TC\_26\_8\_1\_2\_4\_2, TC\_26\_8\_1\_2\_4\_9, TC\_26\_8\_1\_2\_4\_13, TC\_26\_8\_1\_2\_5\_1, TC\_26\_8\_1\_2\_6\_3, TC\_26\_8\_1\_2\_7\_4, TC\_26\_8\_1\_3\_3\_6, TC\_26\_8\_1\_3\_4\_2, TC\_26\_8\_1\_4\_4\_1.

TSPX\_BscSvcG is used in : TC\_26\_8\_1\_2\_4\_3, TC\_26\_8\_1\_2\_5\_2, TC\_26\_8\_1\_2\_5\_7, TC\_26\_8\_1\_2\_6\_4, TC\_26\_8\_1\_2\_7\_5, TC\_26\_8\_1\_3\_3\_7, TC\_26\_8\_1\_3\_4\_6.

TSPX\_BscSvcH is used in : TC\_26\_8\_1\_2\_4\_4, TC\_26\_8\_1\_2\_6\_1, TC\_26\_8\_1\_2\_6\_5,  
TC\_26\_8\_1\_2\_7\_1, TC\_26\_8\_1\_2\_9\_1, TC\_26\_8\_1\_3\_4\_3, TC\_26\_8\_1\_3\_4\_7.

TSPX\_BscSvcI is used in : TC\_26\_8\_1\_2\_4\_5, TC\_26\_8\_1\_2\_6\_2, TC\_26\_8\_1\_2\_7\_2,  
TC\_26\_8\_1\_2\_8\_3, TC\_26\_8\_1\_2\_9\_2, TC\_26\_8\_1\_3\_4\_4, TC\_26\_8\_1\_3\_5\_1.

TSPX\_BscSvcJ is used in : TC\_26\_8\_1\_2\_4\_6, TC\_26\_8\_1\_2\_6\_6, TC\_26\_8\_1\_2\_7\_3,  
TC\_26\_8\_1\_2\_9\_3, TC\_26\_8\_1\_3\_4\_5, TC\_26\_8\_1\_3\_5\_2.

### **B.7.2.3.13 Parameters of Bearer Capability**

For some non CC testing a full rate bearer capability IE supported by the MS is needed, and if the MS supports dual rate a half rate bearer capability IE supported by the MS is also needed.

#### **B.7.2.3.13.1 Parameter TSPX\_BCa**

The value of the bearer capability in this table shall be any full rate bearer capability supported. The contents of this IE can be copied from the section "Parameters for Setup message".

Table 44: Parameter TSPX\_BCa

| Parameter Name: TSPX_BCa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |             |                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------|--------------------------------------------|
| Field                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Type           | Value       | Comments                                   |
| iei                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | BITSTRING[8]   | '00000100'B |                                            |
| iel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | OCTETSTRING[1] |             | length of the IE in unit of OCTET          |
| extb3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | BITSTRING[1]   |             | extension bit                              |
| rchr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms         |
| cs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | BITSTRING[1]   |             | coding standard                            |
| tm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | BITSTRING[1]   |             | transfer mode                              |
| itc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | BITSTRING[3]   |             | information transfer capability            |
| extb4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | BITSTRING[1]   |             | extension bit                              |
| spb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | BITSTRING[1]   | '0'B        | spare bit                                  |
| strc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | BITSTRING[1]   |             | structure                                  |
| dplxm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | BITSTRING[2]   |             | duplex mode                                |
| config                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | BITSTRING[1]   |             | configuration                              |
| nirr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | BITSTRING[1]   |             | negotiation of intermediate rate requested |
| est                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | BITSTRING[1]   |             | establishment                              |
| extb5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | BITSTRING[1]   |             | extension bit                              |
| accid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | BITSTRING[2]   |             | access identify                            |
| ra                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | BITSTRING[2]   |             | rate adaption                              |
| sacp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | BITSTRING[3]   |             | signalling access protocol                 |
| extb6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | BITSTRING[1]   |             | extension bit                              |
| l1id                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | BITSTRING[2]   |             | L1 identity                                |
| uil1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | BITSTRING[4]   |             | user information L 1 protocol              |
| sb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | BITSTRING[1]   |             | synchronous bit                            |
| extb6a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | BITSTRING[1]   |             | extension bit                              |
| nsb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | BITSTRING[1]   |             | number of stop bits                        |
| nb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | BITSTRING[1]   |             | negotiation bit                            |
| ndb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | BITSTRING[1]   |             | number of data bits                        |
| ur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | BITSTRING[4]   |             | user rate                                  |
| extb6b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | BITSTRING[1]   |             | extension bit                              |
| ir                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | BITSTRING[2]   |             | intermediate rate                          |
| nictx                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | BITSTRING[1]   |             | network independent clock on transmission  |
| nicrx                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | BITSTRING[1]   |             | network independent clock on reception     |
| pi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | BITSTRING[3]   |             | parity information                         |
| extb6c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | BITSTRING[1]   |             | extension bit                              |
| ce                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | BITSTRING[2]   |             | connection element                         |
| modemt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | BITSTRING[5]   |             | modem type                                 |
| extb7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | BITSTRING[1]   |             | extension bit                              |
| l2id                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | BITSTRING[2]   |             | L2 identity                                |
| uil2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | BITSTRING[5]   |             | user information L2 protocol               |
| References:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |             |                                            |
| TSPX_BCa is used in:TC_11_3, TC_26_5_1, TC_26_5_2_2, TC_26_5_2_3, TC_26_5_3_1, TC_26_5_3_2, TC_26_5_3_3, TC_26_5_3_4, TC_26_5_5_1_2, TC_26_5_5_2_1, TC_26_5_5_2_2, TC_26_5_5_3_1_1, TC_26_5_5_3_1_2, TC_26_5_6_2_2, TC_26_5_6_2_3, TC_26_5_6_2_4, TC_26_5_7_1_4, TC_26_6_3_1, TC_26_6_3_2, TC_26_6_3_3, TC_26_6_3_4, TC_26_6_3_5, TC_26_6_4_2_1, TC_26_6_5_1_1, TC_26_6_5_1_2, TC_26_6_5_1_3, TC_26_6_5_1_4, TC_26_6_5_1_5, TC_26_6_5_1_6, TC_26_6_5_1_7, TC_26_6_5_1_8, TC_26_6_5_3_1, TC_26_6_5_3_2, TC_26_6_5_5_1, TC_26_6_5_6, TC_26_6_5_7, TC_26_6_5_8, TC_26_6_5_9, TC_26_7_5_7_2, TC_26_8_1_2_6_6, TC_26_9_4, TC_26_9_5, TC_31_2_1_7_1_1, TC_31_2_1_7_2, TC_31_6_1_2, TC_31_6_2_5, TC_31_8_7, TC_34_2_1, TC_34_2_2. |                |             |                                            |

**B.7.2.3.13.2 Parameter TSPX\_BCb**

The value of the bearer capability in this table shall be any half rate bearer capability supported. If the MS does not support half rate, the table is skipped.

Table 45: Parameter TSPX\_BCb

| Parameter Name: TSPX_BCb                                  |                |             |                                            |
|-----------------------------------------------------------|----------------|-------------|--------------------------------------------|
| Field                                                     | Type           | Value       | Comments                                   |
| iei                                                       | BITSTRING[8]   | '00000100'B |                                            |
| iel                                                       | OCTETSTRING[1] |             | length of the IE in unit of OCTET          |
| extb3                                                     | BITSTRING[1]   |             | extension bit                              |
| rchr                                                      | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms         |
| cs                                                        | BITSTRING[1]   |             | coding standard                            |
| tm                                                        | BITSTRING[1]   |             | transfer mode                              |
| itc                                                       | BITSTRING[3]   |             | information transfer capability            |
| extb4                                                     | BITSTRING[1]   |             | extension bit                              |
| spb                                                       | BITSTRING[1]   | '0'B        | spare bit                                  |
| strc                                                      | BITSTRING[1]   |             | structure                                  |
| dplx                                                      | BITSTRING[2]   |             | duplex mode                                |
| config                                                    | BITSTRING[1]   |             | configuration                              |
| nirr                                                      | BITSTRING[1]   |             | negotiation of intermediate rate requested |
| est                                                       | BITSTRING[1]   |             | establishment                              |
| extb5                                                     | BITSTRING[1]   |             | extension bit                              |
| accid                                                     | BITSTRING[2]   |             | access identify                            |
| ra                                                        | BITSTRING[2]   |             | rate adoption                              |
| sacp                                                      | BITSTRING[3]   |             | signalling access protocol                 |
| extb6                                                     | BITSTRING[1]   |             | extension bit                              |
| l1id                                                      | BITSTRING[2]   |             | L1 identity                                |
| uil1                                                      | BITSTRING[4]   |             | user information L 1 protocol              |
| sb                                                        | BITSTRING[1]   |             | synchronous bit                            |
| extb6a                                                    | BITSTRING[1]   |             | extension bit                              |
| nsb                                                       | BITSTRING[1]   |             | number of stop bits                        |
| nb                                                        | BITSTRING[1]   |             | negotiation bit                            |
| ndb                                                       | BITSTRING[1]   |             | number of data bits                        |
| ur                                                        | BITSTRING[4]   |             | user rate                                  |
| extb6b                                                    | BITSTRING[1]   |             | extension bit                              |
| ir                                                        | BITSTRING[2]   |             | intermediate rate                          |
| nictx                                                     | BITSTRING[1]   |             | network independent clock on transmission  |
| nicrx                                                     | BITSTRING[1]   |             | network independent clock on reception     |
| pi                                                        | BITSTRING[3]   |             | parity information                         |
| extb6c                                                    | BITSTRING[1]   |             | extension bit                              |
| ce                                                        | BITSTRING[2]   |             | connection element                         |
| modemt                                                    | BITSTRING[5]   |             | modem type                                 |
| extb7                                                     | BITSTRING[1]   |             | extension bit                              |
| l2id                                                      | BITSTRING[2]   |             | L2 identity                                |
| uil2                                                      | BITSTRING[5]   |             | user information L2 protocol               |
| References:                                               |                |             |                                            |
| TSPX_BCb is used in: TC_26_6_4_2_1, TC_26_9_4, TC_26_9_5. |                |             |                                            |

#### B.7.2.3.14 Parameter TSPX\_BC2

In some test cases, it is required to check the MS behaviour of receiving a SETUP message containing a bearer capability which is not supported by the MS. The parameter TSPX\_BC2 specifies such non-supported bearer capability IE.

Table 46: Parameter TSPX\_BC2

| Parameter Name: TSPX_BC2                                                |                |             |                                            |
|-------------------------------------------------------------------------|----------------|-------------|--------------------------------------------|
| Field                                                                   | Type           | Value       | Comments                                   |
| iei                                                                     | BITSTRING[8]   | '00000100'B |                                            |
| iel                                                                     | OCTETSTRING[1] |             | length of the IE in unit of OCTET          |
| extb3                                                                   | BITSTRING[1]   |             | extension bit                              |
| rchr                                                                    | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms         |
| cs                                                                      | BITSTRING[1]   |             | coding standard                            |
| tm                                                                      | BITSTRING[1]   |             | transfer mode                              |
| itc                                                                     | BITSTRING[3]   |             | information transfer capability            |
| extb4                                                                   | BITSTRING[1]   |             | extension bit                              |
| spb                                                                     | BITSTRING[1]   | '0'B        | spare bit                                  |
| strc                                                                    | BITSTRING[1]   |             | structure                                  |
| dplx                                                                    | BITSTRING[2]   |             | duplex mode                                |
| config                                                                  | BITSTRING[1]   |             | configuration                              |
| nirr                                                                    | BITSTRING[1]   |             | negotiation of intermediate rate requested |
| est                                                                     | BITSTRING[1]   |             | establishment                              |
| extb5                                                                   | BITSTRING[1]   |             | extension bit                              |
| accid                                                                   | BITSTRING[2]   |             | access identify                            |
| ra                                                                      | BITSTRING[2]   |             | rate adaption                              |
| sacp                                                                    | BITSTRING[3]   |             | signalling access protocol                 |
| extb6                                                                   | BITSTRING[1]   |             | extension bit                              |
| l1id                                                                    | BITSTRING[2]   |             | L1 identity                                |
| uil1                                                                    | BITSTRING[4]   |             | user information L 1 protocol              |
| sb                                                                      | BITSTRING[1]   |             | synchronous bit                            |
| extb6a                                                                  | BITSTRING[1]   |             | extension bit                              |
| nsb                                                                     | BITSTRING[1]   |             | number of stop bits                        |
| nb                                                                      | BITSTRING[1]   |             | negotiation bit                            |
| ndb                                                                     | BITSTRING[1]   |             | number of data bits                        |
| ur                                                                      | BITSTRING[4]   |             | user rate                                  |
| extb6b                                                                  | BITSTRING[1]   |             | extension bit                              |
| ir                                                                      | BITSTRING[2]   |             | intermediate rate                          |
| nictx                                                                   | BITSTRING[1]   |             | network independent clock on transmission  |
| nicrx                                                                   | BITSTRING[1]   |             | network independent clock on reception     |
| pi                                                                      | BITSTRING[3]   |             | parity information                         |
| extb6c                                                                  | BITSTRING[1]   |             | extension bit                              |
| ce                                                                      | BITSTRING[2]   |             | connection element                         |
| modemt                                                                  | BITSTRING[5]   |             | modem type                                 |
| extb7                                                                   | BITSTRING[1]   |             | extension bit                              |
| l2id                                                                    | BITSTRING[2]   |             | L2 identity                                |
| uil2                                                                    | BITSTRING[5]   |             | user information L2 protocol               |
| References:                                                             |                |             |                                            |
| TSPX_BC2 is used in: TC_26_8_1_3_1_1, TC_26_8_1_4_4_1, TC_26_8_1_4_5_4. |                |             |                                            |

### B.7.2.3.15 Parameters for Low Layer Compatibility

The Lower Layer Compatibility IE which is appropriate for the corresponding BC, shall also included in the call SETUP message. The parameter TSPX\_LLCmp's specify the values of the information elements. If no Low Layer Compatibility IE available for the corresponding BC the box "omitted?" shall be filled with OMIT and the rest are skipped, otherwise the box "omitted?" shall be skipped. The information element shall be omitted from the setup message when the box "omitted?" is filled with OMIT.

#### B.7.2.3.15.1 Parameter TSPX\_LLCmpA

TSPX\_LLCmpA is the value of the low layer compatibility appropriate for the bearer capability TSPX\_BCa.

Table 47: Parameter TSPX\_LLCmpA

| Parameter Name: TSPX_LLCmpA                      |                    |             |                       |
|--------------------------------------------------|--------------------|-------------|-----------------------|
| omitted?                                         |                    |             |                       |
| Field                                            | Type               | Value       | Comments              |
| iei                                              | BITSTRING[8]       | '01111100'B |                       |
| iel                                              | OCTETSTRING[1]     |             | length of the element |
| contents                                         | OCTETSTRING[1..13] |             | ETS 300 102-1         |
| References:<br>TSPX_LLCmpA is used with TSPX_BCa |                    |             |                       |

**B.7.2.3.15.2 Parameter TSPX\_LLCmpB**

TSPX\_LLCmpB is the value of the low layer compatibility appropriate for the bearer capability TSPX\_BCb.

Table 48: Parameter TSPX\_LLCmpB

| Parameter Name: TSPX_LLCmpB                      |                    |             |                       |
|--------------------------------------------------|--------------------|-------------|-----------------------|
| omitted?                                         |                    |             |                       |
| Field                                            | Type               | Value       | Comments              |
| iei                                              | BITSTRING[8]       | '01111100'B |                       |
| iel                                              | OCTETSTRING[1]     |             | length of the element |
| contents                                         | OCTETSTRING[1..13] |             | ETS 300 102-1         |
| References:<br>TSPX_LLCmpB is used with TSPX_BCb |                    |             |                       |

**B.7.2.3.16 Parameters for High Layer Compatibility**

The High Layer Compatibility IE which is appropriate for the corresponding BC, shall also included in the call SETUP message. The parameter TSPX\_HLCmp's specify the values of the information elements. If no High Layer Compatibility IE available for the corresponding BC the box "omitted?" shall be filled with OMIT and the rest are skipped, otherwise the box "omitted?" shall be skipped. The information element shall be omitted from the setup message when the box "omitted?" is filled with OMIT.

**B.7.2.3.16.1 Parameter TSPX\_HLCmpA**

TSPX\_HLCmpA is the value of the low layer compatibility appropriate for the bearer capability TSPX\_BCa.

Table 49: Parameter TSPX\_HLCmpA

| Parameter Name: TSPX_HLCmpA                      |                |             |                                                   |
|--------------------------------------------------|----------------|-------------|---------------------------------------------------|
| omitted?                                         |                |             |                                                   |
| Field                                            | Type           | Value       | Comments                                          |
| iei                                              | BITSTRING[8]   | '01111101'B |                                                   |
| iel                                              | OCTETSTRING[1] |             | length of the element                             |
| extb3                                            | BITSTRING[1]   | '1'B        |                                                   |
| cs                                               | BITSTRING[2]   |             | coding standard                                   |
| in                                               | BITSTRING[3]   |             | interpretation                                    |
| pmp                                              | BITSTRING[2]   |             | presentation method of protocol                   |
| extb4                                            | BITSTRING[1]   | '1'B        |                                                   |
| hlci                                             | BITSTRING[7]   |             | high layer characteristic identification          |
| extb4a                                           | BITSTRING[1]   | '1'B        |                                                   |
| ehlci                                            | BITSTRING[7]   |             | extended high layer characteristic identification |
| References:<br>TSPX_HLCmpA is used with TSPX_BCa |                |             |                                                   |

**B.7.2.3.16.2 Parameter TSPX\_HLCmpB**

TSPX\_HLCmpB is the value of the low layer compatibility appropriate for the bearer capability TSPX\_BCb.

**Table 50: Parameter TSPX\_HLCmpB**

| Parameter Name: TSPX_HLCmpB                      |                |             |                                                   |
|--------------------------------------------------|----------------|-------------|---------------------------------------------------|
| omitted?                                         |                |             |                                                   |
| Field                                            | Type           | Value       | Comments                                          |
| iei                                              | BITSTRING[8]   | '01111101'B |                                                   |
| iel                                              | OCTETSTRING[1] |             | length of the element                             |
| extb3                                            | BITSTRING[1]   | '1'B        |                                                   |
| cs                                               | BITSTRING[2]   |             | coding standard                                   |
| in                                               | BITSTRING[3]   |             | interpretation                                    |
| pmpp                                             | BITSTRING[2]   |             | presentation method of protocol                   |
| extb4                                            | BITSTRING[1]   | '1'B        |                                                   |
| hlci                                             | BITSTRING[7]   |             | high layer characteristic identification          |
| extb4a                                           | BITSTRING[1]   | '1'B        |                                                   |
| ehlci                                            | BITSTRING[7]   |             | extended high layer characteristic identification |
| References:<br>TSPX_HLCmpB is used with TSPX_BCb |                |             |                                                   |

**B.7.2.3.17 Parameter TSPX\_IMSI**

Parameter TSPX\_IMSI is the default value of IMSI which will be stored in the test SIM card. The parameter shall be a 18 Hex digits long value, the most significant 8 HEX digits shall be 08091010 the rest 10 HEX digits can any value from 0 to 9 except that IMSI mod 1000 shall lie in one of the following ranges: 063-125, 189-251, 315-377, 441-503, 567-629, 693-755, 819-881, 945-999.

**Table 51: Parameter TSPX\_IMSI**

|                                                                                       |                   |
|---------------------------------------------------------------------------------------|-------------------|
| Parameter Name                                                                        | TSPX_IMSI         |
| Parameter Type                                                                        | HEXSTRING[18]     |
| Parameter Value                                                                       | '08091010_____ 'H |
| References:<br>TSPX_IMSI is the default value of IMSI, used in almost all test cases. |                   |

NOTE: The '\_' in the above table means the value of this position shall be provided

**B.7.2.3.18 Parameter TSPX\_IMEI**

Parameter TSPX\_IMEI is the value of IMEI which belongs to the MS.

**Table 52: Parameter TSPX\_IMEI**

|                                                                                                                                                                                          |               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Parameter Name                                                                                                                                                                           | TSPX_IMEI     |
| Parameter Type                                                                                                                                                                           | HEXSTRING[15] |
| Parameter Value                                                                                                                                                                          | '_____ "H     |
| References:<br>TSPX_IMEI is used in: TC_26_7_2_2, TC_26_7_3_1, TC_26_7_4_2_1, TC_26_7_4_2_2_1, TC_26_7_4_2_3, TC_26_7_4_2_4_2, TC_26_7_5_7_1, TC_26_9_6_2_1, TC_26_9_6_2_2, TC_31_6_2_4. |               |

NOTE: The '\_' in the above table means the value of this position shall be provided

**B.7.2.3.19 Parameter TSPX\_IMEISV**

Parameter TSPX\_IMEISV is the value of IMEISV which belongs to the MS.

**Table 53: Parameter TSPX\_IMEISV**

|                                                                  |               |
|------------------------------------------------------------------|---------------|
| Parameter Name                                                   | TSPX_IMEISV   |
| Parameter Type                                                   | HEXSTRING[16] |
| Parameter Value                                                  | '-----"H      |
| References:<br>TSPX_IMEISV is used in: TC_26_6_8_5, TC_26_7_3_1. |               |

NOTE: The '\_' in the above table means the value of this position shall be provided

**B.7.2.3.20 Parameter TSPX\_MSTxpwrMax**

Parameter TSPX\_MSTxpwrMax is the value of maximum output power of the MS under test.

**Table 54: Parameter TSPX\_MSTxpwrMax**

|                                                                                                                          |                 |
|--------------------------------------------------------------------------------------------------------------------------|-----------------|
| Parameter Name                                                                                                           | TSPX_MSTxpwrMax |
| Parameter Type                                                                                                           | BITSTRING[5]    |
| Parameter Value                                                                                                          |                 |
| References:<br>TSPX_MSTxpwrMax is used in: TC_26_3_2, TC_26_3_3, TC_26_6_4_2_1, TC_26_6_5_5_1, TC_26_6_5_8, TC_26_6_5_9. |                 |

**B.7.2.3.21 Parameters for Power Level**

The parameters TSPX\_PwrIvI's represent the power level used in Power Control Command. They are used in test cases where the power level are arbitrarily selected but controllable. The parameters can have any valid values supported by the MS but they shall be different from each other.

**Table 55: Parameters for Power level**

| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Name         | Type         | Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|-------|
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | TSPX_PwrIvIA | BITSTRING[5] |       |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | TSPX_PwrIvIB | BITSTRING[5] |       |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | TSPX_PwrIvIC | BITSTRING[5] |       |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | TSPX_PwrIvID | BITSTRING[5] |       |
| References:<br>TSPX_PwrIvIA is used in: TC_26_6_5_1_1, TC_26_6_5_1_2, TC_26_6_5_2_1, TC_26_6_5_2_2, TC_26_6_5_4_1, TC_26_6_5_4_3, TC_26_6_13_1, TC_26_6_13_5.<br>TSPX_PwrIvIB is used in: TC_26_6_5_1_3, TC_26_6_5_1_4, TC_26_6_5_2_3, TC_26_6_5_2_4, TC_26_6_5_2_5, TC_26_6_5_4_2, TC_26_6_13_2, TC_26_6_13_6.<br>TSPX_PwrIvIC is used in: TC_26_6_5_1_5, TC_26_6_5_1_6, TC_26_6_5_2_6, TC_26_6_5_2_7, TC_26_6_5_3_2, TC_26_6_13_3, TC_26_6_13_7, TC_34_2_1, TC_34_2_2, TC_34_2_3, TC_34_2_4, TC_34_2_5_1, TC_34_2_5_2, TC_34_2_5_3, TC_34_2_7, TC_34_3.<br>TSPX_PwrIvID is used in: TC_26_5_1_7, TC_26_5_1_8, TC_26_5_2_8, TC_26_5_2_9, TC_26_5_2_10, TC_26_5_3_1, TC_26_5_4_4, TC_26_13_4, TC_26_13_8. |              |              |       |

**B.7.2.3.22 Parameter TSPX\_TMSI**

This parameter is the default TMSI value for the MS, and is programmed into the SIM card used in the test. It can be any valid value.



Table 56: Parameter TSPX\_TMSI

|                 |                |
|-----------------|----------------|
| Parameter Name  | TSPX_TMSI      |
| Parameter Type  | OCTETSTRING[4] |
| Parameter Value | '_____O'       |
| Remarks:        |                |

**B.7.2.3.23 Parameter TSPX\_TMSI1**

This parameter is used as a newly assigned TMSI for the MS. It can be any value except that it shall not be the same as TSPX\_TMSI or TSPX\_TMSI + 1 or TSPX\_TMSI + 2 or TSPX\_TMSI + 3.

Table 57: Parameter TSPX\_TMSI1

|                                                                                                     |             |
|-----------------------------------------------------------------------------------------------------|-------------|
| Parameter Name                                                                                      | TSPX_TMSI1  |
| Parameter Type                                                                                      | OCTETSTRING |
| Parameter Value                                                                                     |             |
| Remarks:<br>TSPX_TMSI1 is used in: TC_26_2_2, TC_26_5_6_1_1, TC_26_5_6_1_2, TC_26_7_1, TC_26_7_4_1. |             |

**B.7.2.3.24 Parameters for Basic service selection**

In the CC test group, it is required that a circuit switched basic service among those supported by the MS is selected arbitrarily for each test case, and the test is against that selected basic service. Parameters in the table are used by the test laboratory to control which test cases use which basic service for testing. The test laboratory fills in the following table according to ICS answers of which circuit switched basic services are supported. If the number of supported circuit switched basic services is more than 10, select 10 of them to put in the following table. If the number of supported circuit switched basic services is less than 10, repeat some of them in the following table. The possible values for the following table are :

- C\_Telephony represents teleservice "telephony"
- C\_EmgCallSRV represents teleservice "emergency call"
- C\_SMSMTTP represents teleservice "short message MT/PP"
- C\_SMSMOPP represents teleservice "short message MO/PP"
- C\_SMSCellBRD represents teleservice "SMS cell broadcast"
- C\_SpchAltG3 represents teleservice "alternative speech and G3 fax"
- C\_AutoG3 represents teleservice "automatic G3 fax"
- C\_300cda represents bearer service "data circuit duplex async. 300 bit/s"
- C\_1200cda represents bearer service "data circuit duplex async. 1200 bit/s"
- C\_120075cda represents bearer service "data circuit duplex async. 1200/75 bit/s"
- C\_2400cda represents bearer service "data circuit duplex async. 2400 bit/s"
- C\_4800cda represents bearer service "data circuit duplex async. 4800 bit/s"
- C\_9600cda represents bearer service "data circuit duplex async. 9600 bit/s"
- C\_1200cda represents bearer service "data circuit duplex sync. 1200 bit/s"
- C\_2400cda represents bearer service "data circuit duplex sync. 2400 bit/s"
- C\_4800cda represents bearer service "data circuit duplex sync. 4800 bit/s"
- C\_9600cda represents bearer service "data circuit duplex sync. 9600 bit/s"
- C\_PAD300 represents bearer service "PAD access 300 bit/s"
- C\_PAD1200 represents bearer service "PAD access 1200 bit/s"
- C\_PAD120075 represents bearer service "PAD access 1200/75 bit/s"
- C\_PAD2400 represents bearer service "PAD access 2400 bit/s"
- C\_PAD4800 represents bearer service "PAD access 4800 bit/s"
- C\_PAD9600 represents bearer service "PAD access 9600 bit/s"
- C\_Pkt2400 represents bearer service "packet access 2400 bit/s"
- C\_Pkt4800 represents bearer service "packet access 4800 bit/s"
- C\_Pkt9600 represents bearer service "packet access 9600 bit/s"
- C\_AltSpchData represents bearer service "alternate speech/data"
- C\_Pkt9600 represents bearer service "speech followed by data"

Table 58: Parameters for basic service selection

| Item                                                                                                                                                                                                              | Name         | Type      | Value |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|-------|
| 1                                                                                                                                                                                                                 | TSPX_BscSrvA | IA5String |       |
| 2                                                                                                                                                                                                                 | TSPX_BscSrvB | IA5String |       |
| 3                                                                                                                                                                                                                 | TSPX_BscSrvC | IA5String |       |
| 4                                                                                                                                                                                                                 | TSPX_BscSrvD | IA5String |       |
| 5                                                                                                                                                                                                                 | TSPX_BscSrvE | IA5String |       |
| 6                                                                                                                                                                                                                 | TSPX_BscSrvF | IA5String |       |
| 7                                                                                                                                                                                                                 | TSPX_BscSrvG | IA5String |       |
| 8                                                                                                                                                                                                                 | TSPX_BscSrvH | IA5String |       |
| 9                                                                                                                                                                                                                 | TSPX_BscSrvI | IA5String |       |
| 10                                                                                                                                                                                                                | TSPX_BscSrvJ | IA5String |       |
| Remarks:                                                                                                                                                                                                          |              |           |       |
| TSPX_BscSvcA controls the test cases: TC_26_8_1_2_2_1, TC_26_8_1_2_3_4, TC_26_8_1_2_4_7, TC_26_8_1_2_8_1, TC_26_8_1_2_8_4, TC_26_8_1_3_2_1, TC_26_8_1_3_4_8, TC_26_8_1_3_5_3, TC_26_8_3.                          |              |           |       |
| TSPX_BscSvcB controls the test cases: TC_26_8_1_2_2_2, TC_26_8_1_2_3_1, TC_26_8_1_2_3_5, TC_26_8_1_2_5_3, TC_26_8_1_2_8_2, TC_26_8_1_3_3_1, TC_26_8_1_3_5_4, TC_26_8_1_3_5_7.                                     |              |           |       |
| TSPX_BscSvcC controls the test cases: TC_26_8_1_2_2_3, TC_26_8_1_2_3_2, TC_26_8_1_2_3_6, TC_26_8_1_2_5_4, TC_26_8_1_2_9_4, TC_26_8_1_3_3_3, TC_26_8_1_3_5_5, TC_26_8_1_3_5_9, TC_26_8_1_4_3_1.                    |              |           |       |
| TSPX_BscSvcD controls the test cases: TC_26_8_1_2_3_3, TC_26_8_1_2_3_7, TC_26_8_1_2_4_11, TC_26_8_1_2_5_5, TC_26_8_1_2_9_5, TC_26_8_1_3_3_2, TC_26_8_1_3_3_4, TC_26_8_1_3_5_6, TC_26_8_1_4_2_1.                   |              |           |       |
| TSPX_BscSvcE controls the test cases: TC_26_8_1_2_4_1, TC_26_8_1_2_4_8, TC_26_8_1_2_4_10, TC_26_8_1_2_4_12, TC_26_8_1_2_5_6, TC_26_8_1_2_5_8, TC_26_8_1_3_3_5, TC_26_8_1_3_4_1, TC_26_8_1_3_5_8, TC_26_8_1_4_3_2. |              |           |       |

TSPX\_BscSvcF controls the test cases: TC\_26\_8\_1\_2\_4\_2, TC\_26\_8\_1\_2\_4\_9, TC\_26\_8\_1\_2\_4\_13, TC\_26\_8\_1\_2\_5\_1, TC\_26\_8\_1\_2\_6\_3, TC\_26\_8\_1\_2\_7\_4, TC\_26\_8\_1\_3\_3\_6, TC\_26\_8\_1\_3\_4\_2, TC\_26\_8\_1\_4\_4\_1.

TSPX\_BscSvcG controls the test cases: TC\_26\_8\_1\_2\_4\_3, TC\_26\_8\_1\_2\_5\_2, TC\_26\_8\_1\_2\_5\_7, TC\_26\_8\_1\_2\_6\_4, TC\_26\_8\_1\_2\_7\_5, TC\_26\_8\_1\_3\_3\_7, TC\_26\_8\_1\_3\_4\_6.

TSPX\_BscSvcH controls the test cases: TC\_26\_8\_1\_2\_4\_4, TC\_26\_8\_1\_2\_6\_1, TC\_26\_8\_1\_2\_6\_5, TC\_26\_8\_1\_2\_7\_1, TC\_26\_8\_1\_2\_9\_1, TC\_26\_8\_1\_3\_4\_3, TC\_26\_8\_1\_3\_4\_7.

TSPX\_BscSvcI controls the test cases: TC\_26\_8\_1\_2\_4\_5, TC\_26\_8\_1\_2\_6\_2, TC\_26\_8\_1\_2\_7\_2, TC\_26\_8\_1\_2\_8\_3, TC\_26\_8\_1\_2\_9\_2, TC\_26\_8\_1\_3\_4\_4, TC\_26\_8\_1\_3\_5\_1.

TSPX\_BscSvcJ controls the test cases: TC\_26\_8\_1\_2\_4\_6, TC\_26\_8\_1\_2\_6\_6, TC\_26\_8\_1\_2\_7\_3, TC\_26\_8\_1\_2\_9\_3, TC\_26\_8\_1\_3\_4\_5, TC\_26\_8\_1\_4\_5\_2.

#### B.7.2.4 Test Case related Parameters

##### B.7.2.4.1 Parameters for extended assignment test

In the extended assignment test (TC\_26\_1\_2), the following 6 parameters are arbitrarily chosen but controllable:

- TSPX\_nPara: indicates the n'th CHANNEL REQUEST after which the test system sends IMMEDIATE ASSIGNMENT EXTENDED message in first part of the test case.

- TSPX\_i1Para: indicates the i'th CHANNEL REQUEST within the last 3 CHANNEL REQUEST's which are received before the IMMEDIATE ASSIGNMENT EXTENDED.

- TSPX\_kPara: indicates the k'th CHANNEL REQUEST after which the test system sends IMMEDIATE ASSIGNMENT EXTENDED message in second part of the test case.

- TSPX\_i2Para: indicates the i'th CHANNEL REQUEST which is not within the last 3 CHANNEL REQUEST's which are received before the IMMEDIATE ASSIGNMENT EXTENDED.

- TSPX\_rPara: indicates the r'th CHANNEL REQUEST after which the test system sends IMMEDIATE ASSIGNMENT EXTENDED message in third part of the test case.

- TSPX\_i3Para: indicates the i'th CHANNEL REQUEST within the last 3 CHANNEL REQUEST's which are received before the IMMEDIATE ASSIGNMENT EXTENDED.

**Table 59: Parameters for Extended assignment test**

| Item | Name        | Type    | value | allowed range                                |
|------|-------------|---------|-------|----------------------------------------------|
| 1    | TSPX_nPara  | INTEGER |       | (1 .. 8)                                     |
| 2    | TSPX_i1Para | INTEGER |       | (max(1,TSPX_nPara-2) .. TSPX_nPara)          |
| 3    | TSPX_kPara  | INTEGER |       | (4 .. 8)                                     |
| 4    | TSPX_i2Para | INTEGER |       | (1 .. (TSPX_kPara - 3))                      |
| 5    | TSPX_rPara  | INTEGER |       | (4 .. 8)                                     |
| 6    | TSPX_i3Para | INTEGER |       | (TSPX_rPara - 2, TSPX_rPara - 1, TSPX_rPara) |

References: Used in the test case TC\_26\_1\_2,

##### B.7.2.4.2 Parameters for assignment rejection test

In the assignment rejection test (TC\_26\_1\_3), the following 3 parameters are arbitrarily chosen but controllable:

- TSPX\_n1Para: indicates the n'th CHANNEL REQUEST after which the test system sends IMMEDIATE ASSIGNMENT EXTENDED message.

- TSPX\_i4Para: indicates the i'th CHANNEL REQUEST within the last 3 CHANNEL REQUEST's which are received before the IMMEDIATE ASSIGNMENT EXTENDED.

- TSPX\_xPara: indicates the value of wait indication (T3122).

**Table 60: Parameters for assignment rejection test**

| Item | Name        | Type    | value | allowed range                         |
|------|-------------|---------|-------|---------------------------------------|
| 1    | TSPX_n1Para | INTEGER |       | (1 .. 8)                              |
| 2    | TSPX_i4Para | INTEGER |       | (max(1,TSPX_n1Para-2) .. TSPX_n1Para) |
| 3    | TSPX_xPara  | INTEGER |       | (5 .. 255)                            |

References: Used in the test case TC\_26\_1\_3,

#### B.7.2.4.3 Parameters for paging reorganisation test 1

In the paging reorganisation test 1 (TC\_26\_2\_3\_1), the following 3 parameters are arbitrarily chosen but controllable:

- TSPX\_AGBLKS1: indicates the value of BS-AG-BLKS-RES.

- TSPX\_PAMFRMS1: indicates the value of BS-PA-MFRMS.

- TSPX\_PgSubch: indicates the paging subchannel.

**Table 61: Parameters for paging reorganisation test 1**

| Item | Name          | Type    | value | allowed range |
|------|---------------|---------|-------|---------------|
| 1    | TSPX_AGBLKS1  | INTEGER |       | (0 .. 7)      |
| 2    | TSPX_PAMFRMS1 | INTEGER |       | (2 .. 8)      |
| 3    | TSPX_PgSubch  | INTEGER |       | (0 .. N)      |

References: Used in the test case TC\_26\_2\_3\_1,

NOTE: The value of N in the above table = (9 - TSPX\_AGBLKS1) \* TSPX\_PAMFRMS1 - 1

#### B.7.2.4.4 Parameters for paging reorganisation test 2

In the paging reorganisation test 2 (TC\_26\_2\_3\_2), the following 3 parameters are arbitrarily chosen but controllable:

- TSPX\_AGBLKS2: indicates the value of BS-AG-BLKS-RES.

- TSPX\_PAMFRMS2: indicates the value of BS-PA-MFRMS.

- TSPX\_CcchConf2: indicates the configuration of CCCH channel.

**Table 62: Parameters for paging reorganisation test 2**

| Item | Name           | Type      | value | allowed range                            |
|------|----------------|-----------|-------|------------------------------------------|
| 1    | TSPX_AGBLKS2   | INTEGER   |       | (1 .. 2) or (1 .. 7)                     |
| 2    | TSPX_PAMFRMS2  | INTEGER   |       | (2 .. 9)                                 |
| 3    | TSPX_CcchConf2 | BITSTRING |       | ('000'B, '001'B, '010'B, '100'B, '110'B) |

References: Used in the test case TC\_26\_2\_3\_2,

NOTE: The allowed range for TSPX\_AGBLKS2 is (1 .. 2) if the TSPX\_CcchConf2 is '001'B, otherwise is (1 .. 7).

#### B.7.2.4.5 Parameters for paging as before test

In the paging reorganisation test 2 (TC\_26\_2\_4), the following 3 parameters are arbitrarily chosen but controllable:

- TSPX\_AGBLKS3: indicates the value of BS-AG-BLKS-RES.
- TSPX\_PAMFRMS3: indicates the value of BS-PA-MFRMS.
- TSPX\_CcchConf3: indicates the configuration of CCCH channel.

**Table 63: Parameters for paging as before test**

| Item | Name           | Type      | value | allowed range                            |
|------|----------------|-----------|-------|------------------------------------------|
| 1    | TSPX_AGBLKS3   | INTEGER   |       | (0 .. 2) or (0 .. 7)                     |
| 2    | TSPX_PAMFRMS3  | INTEGER   |       | (2 .. 9)                                 |
| 3    | TSPX_CcchConf3 | BITSTRING |       | ('000'B, '001'B, '010'B, '100'B, '110'B) |

References: Used in the test case TC\_26\_2\_4,

NOTE: The allowed range for TSPX\_AGBLKS3 is (0 .. 2) if the TSPX\_CcchConf3 is '001'B, otherwise is (0 .. 7).

#### B.7.2.4.6 Parameters for paging multi CCCH test

In the paging reorganisation test 2 (TC\_26\_2\_5), the following 3 parameters are arbitrarily chosen but controllable:

- TSPX\_AGBLKS4: indicates the value of BS-AG-BLKS-RES.
- TSPX\_PAMFRMS4: indicates the value of BS-PA-MFRMS.
- TSPX\_CcchConf4: indicates the configuration of CCCH channel.

**Table 64: Parameters for paging multi CCCH test**

| Item | Name           | Type      | value | allowed range            |
|------|----------------|-----------|-------|--------------------------|
| 1    | TSPX_AGBLKS4   | INTEGER   |       | (0 .. 7)                 |
| 2    | TSPX_PAMFRMS4  | INTEGER   |       | (2 .. 9)                 |
| 3    | TSPX_CcchConf4 | BITSTRING |       | ('010'B, '100'B, '110'B) |

References: Used in the test case TC\_26\_2\_5,

#### B.7.2.4.7 Parameters for pre-synch handover no TA test

In the pre-synch handover without TA test (TC\_26\_6\_5\_5\_1), it is required the BCCH of cell A is k bit periods before the BCCH of cell B. the k is arbitrarily chosen but controllable. The parameter TSPX\_k represents the timing difference k. TSPX\_k1 is in unit bit.

**Table 65: Parameters for pre-synch handover no TA test**

| Item | Name    | Type    | value |
|------|---------|---------|-------|
| 1    | TSPX_k1 | INTEGER |       |

References: Used in the test case TC\_26\_6\_5\_5\_1,

#### B.7.2.4.8 Parameters for pre-synch handover with TA test

In the pre-synch handover with TA test (TC\_26\_6\_5\_5\_2), the following 2 parameters are arbitrarily chosen but controllable:

- TSPX\_k: indicates the timing difference between the BCCH of cell A and cell B.
- TSPX\_y: indicates the value of the timing advance IE used in cell A.

**Table 66: Parameters for pre-synch handover with TA test**

| Item | Name   | Type    | value |
|------|--------|---------|-------|
| 1    | TSPX_k | INTEGER |       |
| 2    | TSPX_y | INTEGER |       |

References: Used in the test case TC\_26\_6\_5\_5\_2,

**B.7.2.4.9 Parameters for pseudo-synch handover test**

In the pseudo-synch handover test (TC\_26\_6\_5\_6), the following 2 parameters are arbitrarily chosen but controllable:

- TSPX\_k2: indicates the timing difference between the BCCH of cell A and cell B.
- TSPX\_y2: indicates the value of the timing advance IE used in cell A.

**Table 67: Parameters for pseudo-synch handover test**

| Item | Name    | Type    | value      |
|------|---------|---------|------------|
| 1    | TSPX_k2 | INTEGER |            |
| 2    | TSPX_y2 | INTEGER | (11 .. 62) |

References: Used in the test case TC\_26\_6\_5\_6,

**B.7.2.4.10 Parameters for non-synch handover test**

In the non-synch handover test (TC\_26\_6\_5\_7) the following 2 parameters are arbitrarily chosen but controllable:

- TSPX\_k3: indicates the timing difference between the BCCH of cell A and cell B, the unit of it is bit.
- TSPX\_y3: indicates the value of the timing advance IE used in cell A.

**Table 68: Parameters for non-synch handover test**

| Item | Name    | Type    | value |
|------|---------|---------|-------|
| 1    | TSPX_k3 | INTEGER |       |
| 2    | TSPX_y3 | INTEGER |       |

References: Used in the test case TC\_26\_6\_5\_7,

**B.7.2.4.11 Parameters for TC\_26\_6\_4\_1**

In TC\_26\_6\_4\_1, it is required to assign a full rate traffic channel with a channel mode supported by the MS. The parameter TSPX\_ChModF specifies the compatible Channel Mode information element.

**Table 69: Parameter TSPX\_ChModF**

| Parameter Name: TSPX_ChModF |              |             |              |
|-----------------------------|--------------|-------------|--------------|
| Field                       | Type         | Value       | Comments     |
| iei                         | BITSTRING[8] | '01100011'B |              |
| mode                        | BITSTRING[8] |             | channel mode |

References:  
TSPX\_ChModF is used in: TC\_26\_6\_4\_1

In TC\_26\_6\_4\_1, it is also required to assign a half rate traffic channel with a channel mode supported by the MS. The parameter TSPX\_ChModH specifies the compatible Channel Mode information element. If the MS does not support half rate channel, this table is skipped.

Table 70: Parameter TSPX\_ChModH

| Parameter Name: TSPX_ChModH                        |              |             |              |
|----------------------------------------------------|--------------|-------------|--------------|
| Field                                              | Type         | Value       | Comments     |
| iei                                                | BITSTRING[8] | '01100011'B |              |
| mode                                               | BITSTRING[8] |             | channel mode |
| References:<br>TSPX_ChModF is used in: TC_26_6_4_1 |              |             |              |

**B.7.2.4.12 Parameters for TC\_26\_6\_13\_1**

In the TC\_26\_6\_13\_1, the following parameters are arbitrary and controllable:

- The hopping parameters for SDCCH8 channel used in IMMEDIATE ASSIGNMENT message,
- The channel description for the channel used in ASSIGNMENT COMMAND message after time,
- The channel description for the channel used in ASSIGNMENT COMMAND message before time.

Table 71: Parameters for SDCCH8 of TC\_26\_6\_13\_1

| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Name       | Type         | value              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------|--------------------|
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | TSPX_Ma1   | BITSTRING[8] | '0 0 0 0 _ _ _ 0'B |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | TSPX_Hsn1  | BITSTRING[6] | ' _ _ _ _ _ 'B     |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | TSPX_Maio1 | BITSTRING[6] | ' _ _ _ _ _ 'B     |
| References: Used in the test case TC_26_6_13_1,<br>NOTE 1: The cell allocation is ARFCNs 20, 30, 50, 70 for GSM and ARFCNs 590, 650, 750, 850 for DCS. ARFCNs 20 and 590 are the BCCH frequency for GSM and DCS respectively. The three empty positions in TSPX_Ma1 represent (from left to right) 70 (850), 50 (750) and 30 (650). The TSPX_Ma1 shall include at least one frequency.<br>NOTE 2: The TSPX_Maio1 is dependent on TSPX_Ma1. Its value is from 0 to the number of frequencies in TSPX_Ma1 - 1 |            |              |                    |

Table 72: Parameters for ASSIGNMENT after time of TC\_26\_6\_13\_1

| Item | Name        | Type         | value        |
|------|-------------|--------------|--------------|
| 1    | TSPX_Chtp1  | BITSTRING[5] | '0_____'B    |
| 2    | TSPX_ChMod1 | BITSTRING[8] | '000_____'B  |
| 3    | TSPX_Ma2    | BITSTRING[8] | '0000_____'B |
| 4    | TSPX_Hsn2   | BITSTRING[6] | '_____'B     |
| 5    | TSPX_Maio2  | BITSTRING[6] | '_____'B     |
| 6    | TSPX_Tm1    | INTEGER      |              |

References: Used in the test case TC\_26\_6\_13\_1,

NOTE 1: The cell allocation is ARFCNs 20, 30, 50, 70 for GSM and ARFCNs 590, 650, 750, 850 for DCS. ARFCNs 20 and 590 are the BCCH frequency for GSM and DCS respectively. The four empty positions in TSPX\_Ma2 represent ( from left to right) 70 (850), 50 (750), 30 (650) and 20 (590). The TSPX\_Ma2 shall include at least one frequency. If TSPX\_Ma2 includes only one frequency, the frequency shall not be BCCH carrier.

NOTE 2: The TSPX\_Maio2 is dependent on TSPX\_Ma2. Its value is from 0 to the number of frequencies in TSPX\_Ma2 - 1.

NOTE 3: The TSPX\_Chtp1 is channel type and TDMA offset (T bits indicates subchannel in binary):  
- '00001'B fullrate traffic channel,  
- '00011'B half rate traffic channel,  
- '01111'B SDCCH8 channel

NOTE 4: The TSPX\_ChMod1 is the channel mode:  
- '00000000'B signalling only,  
- '00000001'B full rate speech,  
- '00000101'B half rate speech,  
- '00000011'B data 12.0 kbit/s,  
- '00001011'B data 6.0 kbit/s,  
- '00001111'B data 6.0 kbit/s,  
- '00010011'B 3.6 kbit/s,  
- '00010111'B 3.6 kbit/s.  
- The range of value of TSPX\_Tm1 is from 60 to 100.

Table 73: Parameters for ASSIGNMENT before time of TC\_26\_6\_13\_1

| Item | Name       | Type         | value        |
|------|------------|--------------|--------------|
| 1    | TSPX_Ma3   | BITSTRING[8] | '0000_____'B |
| 2    | TSPX_Hsn3  | BITSTRING[6] | '_____'B     |
| 3    | TSPX_Maio3 | BITSTRING[6] | '_____'B     |

References: Used in the test case TC\_26\_6\_13\_1,

NOTE1: The cell allocation is ARFCNs 20, 30, 50, 70 for GSM and ARFCNs 590, 650, 750, 850 for DCS. ARFCNs 20 and 590 are the BCCH frequency for GSM and DCS respectively. The four empty positions in TSPX\_Ma3 represent ( from left to right) 70 (850), 50 (750), 30 (650) and 20 (590). The TSPX\_Ma3 shall include at least one frequency. If TSPX\_Ma3 includes only one frequency, the frequency shall not be BCCH carrier.

NOTE 2: The TSPX\_Maio3 is dependent on TSPX\_Ma3. Its value is from 0 to the number of frequencies in TSPX\_Ma3 - 1

NOTE 3: Parameters in this table shall be different from the parameters for after time.

#### B.7.2.4.13 Parameters for TC\_26\_6\_13\_2

In the TC\_26\_6\_13\_2, the following parameters are arbitrary and controllable:

- The hopping parameters for SDCCH8 channel used in IMMEDIATE ASSIGNMENT message,
- The channel description for the channel used in ASSIGNMENT COMMAND message after time,



Table 74: Parameters for SDCCH8 of TC\_26\_6\_13\_2

| Item | Name       | Type         | value              |
|------|------------|--------------|--------------------|
| 1    | TSPX_Ma4   | BITSTRING[8] | '0 0 0 0 _ _ _ 0'B |
| 2    | TSPX_Hsn4  | BITSTRING[6] | ' _ _ _ _ _ _ 'B   |
| 3    | TSPX_Maio4 | BITSTRING[6] | ' _ _ _ _ _ _ 'B   |

References: Used in the test case TC\_26\_6\_13\_2,

NOTE 1: The cell allocation is ARFCNs 20, 30, 50, 70 for GSM and ARFCNs 590, 650, 750, 850 for DCS. ARFCNs 20 and 590 are the BCCH frequency for GSM and DCS respectively. The three empty positions in TSPX\_Ma4 represent (from left to right) 70 (850), 50 (750) and 30 (650). The TSPX\_Ma4 shall include at least one frequency.

NOTE 2: The TSPX\_Maio4 is dependent on TSPX\_Ma4. Its value is from 0 to the number of frequencies in TSPX\_Ma4 - 1

Table 75: Parameters for ASSIGNMENT after time of TC\_26\_6\_13\_2

| Item | Name        | Type         | value               |
|------|-------------|--------------|---------------------|
| 1    | TSPX_Chtp2  | BITSTRING[5] | '0 _ _ _ _ _ 'B     |
| 2    | TSPX_ChMod2 | BITSTRING[8] | '0 0 0 _ _ _ _ _ 'B |
| 3    | TSPX_Ma5    | BITSTRING[8] | '0 0 0 0 _ _ _ _ 'B |
| 4    | TSPX_Hsn5   | BITSTRING[6] | ' _ _ _ _ _ _ 'B    |
| 5    | TSPX_Maio5  | BITSTRING[6] | ' _ _ _ _ _ _ 'B    |

References: Used in the test case TC\_26\_6\_13\_2,

NOTE 1: The cell allocation is ARFCNs 20, 30, 50, 70 for GSM and ARFCNs 590, 650, 750, 850 for DCS. ARFCNs 20 and 590 are the BCCH frequency for GSM and DCS respectively. The four empty positions in TSPX\_Ma5 represent ( from left to right) 70 (850), 50 (750), 30 (650) and 20 (590). The TSPX\_Ma5 shall include at least one frequency. If TSPX\_Ma5 includes only one frequency, the frequency shall not be BCCH carrier.

NOTE 2. The TSPX\_Maio5 is dependent on TSPX\_Ma5. Its value is from 0 to the number of frequencies in TSPX\_Ma5 - 1.

NOTE 3. The TSPX\_Chtp2 is channel type and TDMA offset (T bits indicates subchannel in binary):

- '00001'B fullrate traffic channel,
- '0001T'B half rate traffic channel,
- '01TTT'B SDCCH8 channel

NOTE 4. The TSPX\_ChMod2 is the channel mode:

- '00000000'B signalling only,
- '00000001'B full rate speech,
- '00000101'B half rate speech,
- '00000011'B data 12.0 kbit/s,
- '00001011'B data 6.0 kbit/s,
- '00001111'B data 6.0 kbit/s,
- '00010011'B 3.6 kbit/s,
- '00010111'B 3.6 kbit/s.

#### B.7.2.4.14 Parameters for TC\_26\_6\_13\_3

In the TC\_26\_6\_13\_3, the following parameters are arbitrary and controllable:

- The channel description for the channel used in IMMEDIATE ASSIGNMENT message,
- The channel description for the channel used in FREQUENCY REDIFINITION message,
- The channel description for the channel used in ASSIGNMENT COMMAND message after time,
- The channel description for the channel used in ASSIGNMENT COMMAND message before time.

Table 76: Parameters for IMMEDIATE ASSIGNMENT of TC\_26\_6\_13\_3

| Item                                                                                                                                                                                                                                                                                                                                          | Name       | Type         | value           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------|-----------------|
| 1                                                                                                                                                                                                                                                                                                                                             | TSPX_Chtp3 | BITSTRING[5] | '0_____'B       |
| 2                                                                                                                                                                                                                                                                                                                                             | TSPX_Ma6   | BITSTRING[8] | '0 0 0 0 ____'B |
| 3                                                                                                                                                                                                                                                                                                                                             | TSPX_Hsn6  | BITSTRING[6] | '_____'B        |
| 4                                                                                                                                                                                                                                                                                                                                             | TSPX_Maio6 | BITSTRING[6] | '_____'B        |
| References: Used in the test case TC_26_6_13_3,                                                                                                                                                                                                                                                                                               |            |              |                 |
| NOTE: 1. The cell allocation is ARFCNs 20, 30, 50, 70 for GSM and ARFCNs 590, 650, 750, 850 for DCS. ARFCNs 20 and 590 are the BCCH frequency for GSM and DCS respectively. The four empty positions in TSPX_Ma6 represent (from left to right) 70 (850), 50 (750), 30 (650) and 20 (590). The TSPX_Ma6 shall include at least one frequency. |            |              |                 |
| NOTE 2. The TSPX_Maio6 is dependent on TSPX_Ma6. Its value is from 0 to the number of frequencies in TSPX_Ma6 - 1                                                                                                                                                                                                                             |            |              |                 |

Table 77: Parameters for FREQUENCY REDIFINITION of TC\_26\_6\_13\_3

| Item                                                                                                                                                                                                                                                                                                                                             | Name       | Type         | value           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------|-----------------|
| 1                                                                                                                                                                                                                                                                                                                                                | TSPX_Ma7   | BITSTRING[8] | '0 0 0 0 ____'B |
| 2                                                                                                                                                                                                                                                                                                                                                | TSPX_Hsn7  | BITSTRING[6] | '_____'B        |
| 3                                                                                                                                                                                                                                                                                                                                                | TSPX_Maio7 | BITSTRING[6] | '_____'B        |
| References: Used in the test case TC_26_6_13_3,                                                                                                                                                                                                                                                                                                  |            |              |                 |
| NOTE: 1. The cell allocation is ARFCNs 20, 30, 50, 70 for GSM and ARFCNs 590, 650, 750, 850 for DCS. ARFCNs 20 and 590 are the BCCH frequency for GSM and DCS respectively. The four empty positions in TSPX_Ma7 represent ( from left to right) 70 (850), 50 (750), 30 (650) and 20 (590). The TSPX_Ma7 shall include at least two frequencies. |            |              |                 |
| NOTE 2. The TSPX_Maio7 is dependent on TSPX_Ma7. Its value is from 0 to the number of frequencies in TSPX_Ma7 - 1                                                                                                                                                                                                                                |            |              |                 |
| NOTE 3. Parameters in this table shall be different from the parameters for IMMEDIATE ASSIGNMENT.                                                                                                                                                                                                                                                |            |              |                 |

Table 78: Parameters for ASSIGNMENT after time of TC\_26\_6\_13\_3

| Item                                                                                                                                                                                                                                                                                                                                             | Name       | Type         | value           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------|-----------------|
| 1                                                                                                                                                                                                                                                                                                                                                | TSPX_Chtp4 | BITSTRING[5] | '0_____'B       |
| 2                                                                                                                                                                                                                                                                                                                                                | TSPX_Ma8   | BITSTRING[8] | '0 0 0 0 ____'B |
| 3                                                                                                                                                                                                                                                                                                                                                | TSPX_Hsn8  | BITSTRING[6] | '_____'B        |
| 4                                                                                                                                                                                                                                                                                                                                                | TSPX_Maio8 | BITSTRING[6] | '_____'B        |
| References: Used in the test case TC_26_6_13_3,                                                                                                                                                                                                                                                                                                  |            |              |                 |
| NOTE: 1. The cell allocation is ARFCNs 20, 30, 50, 70 for GSM and ARFCNs 590, 650, 750, 850 for DCS. ARFCNs 20 and 590 are the BCCH frequency for GSM and DCS respectively. The four empty positions in TSPX_Ma8 represent ( from left to right) 70 (850), 50 (750), 30 (650) and 20 (590). The TSPX_Ma8 shall include at least two frequencies. |            |              |                 |
| NOTE 2. The TSPX_Maio8 is dependent on TSPX_Ma8. Its value is from 0 to the number of frequencies in TSPX_Ma8 - 1.                                                                                                                                                                                                                               |            |              |                 |
| NOTE 3. The TSPX_Chtp4 is channel type and TDMA offset (T bits indicates subchannel in binary):                                                                                                                                                                                                                                                  |            |              |                 |
| - '00001'B fullrate traffic channel,                                                                                                                                                                                                                                                                                                             |            |              |                 |
| - '0001T'B half rate traffic channel,                                                                                                                                                                                                                                                                                                            |            |              |                 |
| - '01TTT'B SDCCH8 channel                                                                                                                                                                                                                                                                                                                        |            |              |                 |

**Table 79: Parameters for ASSIGNMENT before time of TC\_26\_6\_13\_3**

| Item | Name       | Type         | value               |
|------|------------|--------------|---------------------|
| 1    | TSPX_Ma9   | BITSTRING[8] | '0 0 0 0 _ _ _ _ 'B |
| 2    | TSPX_Hsn9  | BITSTRING[6] | ' _ _ _ _ _ _ 'B    |
| 3    | TSPX_Maio9 | BITSTRING[6] | ' _ _ _ _ _ _ 'B    |

References: Used in the test case TC\_26\_6\_13\_3,  
NOTE: 1. The cell allocation is ARFCNs 20, 30, 50, 70 for GSM and ARFCNs 590, 650, 750, 850 for DCS. ARFCNs 20 and 590 are the BCCH frequency for GSM and DCS respectively. The four empty positions in TSPX\_Ma9 represent ( from left to right) 70 (850), 50 (750), 30 (650) and 20 (590). The TSPX\_Ma9 shall include at least two frequencies.  
2. The TSPX\_Maio9 is dependent on TSPX\_Ma9. Its value is from 0 to the number of frequencies in TSPX\_Ma9 - 1  
3. Parameters in this table shall be different from the parameters for after time.

**B.7.2.4.15 Parameters for TC\_26\_6\_13\_4**

In the TC\_26\_6\_13\_4, the following parameters are arbitrary and controllable:

- The channel description for the channel used in IMMEDIATE ASSIGNMENT message,
- The channel description for the channel used in FREQUENCY REDIFINITION message,
- The channel description for the channel used in ASSIGNMENT COMMAND message after time,
- The channel description for the channel used in ASSIGNMENT COMMAND message before time.

**Table 80: Parameters for IMMEDIATE ASSIGNMENT of TC\_26\_6\_13\_4**

| Item | Name        | Type         | value               |
|------|-------------|--------------|---------------------|
| 1    | TSPX_Chtp5  | BITSTRING[5] | '0 _ _ _ _ 'B       |
| 2    | TSPX_Ma10   | BITSTRING[8] | '0 0 0 0 _ _ _ _ 'B |
| 3    | TSPX_Hsn10  | BITSTRING[6] | ' _ _ _ _ _ _ 'B    |
| 4    | TSPX_Maio10 | BITSTRING[6] | ' _ _ _ _ _ _ 'B    |

References: Used in the test case TC\_26\_6\_13\_4,  
NOTE: 1. The cell allocation is ARFCNs 20, 30, 50, 70 for GSM and ARFCNs 590, 650, 750, 850 for DCS. ARFCNs 20 and 590 are the BCCH frequency for GSM and DCS respectively. The four empty positions in TSPX\_Ma10 represent (from left to right) 70 (850), 50 (750), 30 (650) and 20 (590). The TSPX\_Ma10 shall include at least one frequency. If TSPX\_Ma10 includes one frequency, the frequency shall not be BCCH carrier.  
2. The TSPX\_Maio10 is dependent on TSPX\_Ma10. Its value is from 0 to the number of frequencies in TSPX\_Ma10 - 1

**Table 81: Parameters for FREQUENCY REDIFINITION of TC\_26\_6\_13\_4**

| Item | Name        | Type         | value               |
|------|-------------|--------------|---------------------|
| 1    | TSPX_Ma11   | BITSTRING[8] | '0 0 0 0 _ _ _ _ 'B |
| 2    | TSPX_Hsn11  | BITSTRING[6] | ' _ _ _ _ _ _ 'B    |
| 3    | TSPX_Maio11 | BITSTRING[6] | ' _ _ _ _ _ _ 'B    |

References: Used in the test case TC\_26\_6\_13\_4,  
NOTE: 1. The cell allocation is ARFCNs 20, 30, 50, 70 for GSM and ARFCNs 590, 650, 750, 850 for DCS. ARFCNs 20 and 590 are the BCCH frequency for GSM and DCS respectively. The four empty positions in TSPX\_Ma11 represent ( from left to right) 70 (850), 50 (750), 30 (650) and 20 (590). The TSPX\_Ma11 shall include at least two frequencies.  
2. The TSPX\_Maio11 is dependent on TSPX\_Ma11. Its value is from 0 to the number of frequencies in TSPX\_Ma11  
3. Parameters in this table shall be different from the parameters for IMMEDIATE ASSIGNMENT.

**Table 82: Parameters for ASSIGNMENT after time of TC\_26\_6\_13\_4**

| Item | Name        | Type         | value           |
|------|-------------|--------------|-----------------|
| 1    | TSPX_Chtp6  | BITSTRING[5] | '0 ____'B       |
| 2    | TSPX_Ma12   | BITSTRING[8] | '0 0 0 0 ____'B |
| 3    | TSPX_Hsn12  | BITSTRING[6] | '_____'B        |
| 4    | TSPX_Maio12 | BITSTRING[6] | '_____'B        |

References: Used in the test case TC\_26\_6\_13\_4,  
NOTE: 1. The cell allocation is ARFCNs 20, 30, 50, 70 for GSM and ARFCNs 590, 650, 750, 850 for DCS. ARFCNs 20 and 590 are the BCCH frequency for GSM and DCS respectively. The four empty positions in TSPX\_Ma12 represent ( from left to right) 70 (850), 50 (750), 30 (650) and 20 (590). The TSPX\_Ma12 shall include at least two frequencies.  
2. The TSPX\_Maio12 is dependent on TSPX\_Ma12. Its value is from 0 to the number of frequencies in TSPX\_Ma12 - 1.  
3. The TSPX\_Chtp6 is channel type and TDMA offset (T bits indicates subchannel in binary):  
- '00001'B fullrate traffic channel,  
- '0001T'B half rate traffic channel,  
- '01TTT'B SDCCH8 channel

**Table 83: Parameters for ASSIGNMENT before time of TC\_26\_6\_13\_4**

| Item | Name        | Type         | value           |
|------|-------------|--------------|-----------------|
| 1    | TSPX_Ma13   | BITSTRING[8] | '0 0 0 0 ____'B |
| 2    | TSPX_Hsn13  | BITSTRING[6] | '_____'B        |
| 3    | TSPX_Maio13 | BITSTRING[6] | '_____'B        |

References: Used in the test case TC\_26\_6\_13\_4,  
NOTE: 1. The cell allocation is ARFCNs 20, 30, 50, 70 for GSM and ARFCNs 590, 650, 750, 850 for DCS. ARFCNs 20 and 590 are the BCCH frequency for GSM and DCS respectively. The four empty positions in TSPX\_Ma13 represent ( from left to right) 70 (850), 50 (750), 30 (650) and 20 (590). The TSPX\_Ma13 shall include at least two frequencies.  
2. The TSPX\_Maio13 is dependent on TSPX\_Ma13. Its value is from 0 to the number of frequencies in TSPX\_Ma13 - 1  
3. Parameters in this table shall be different from the parameters for after time.

**B.7.2.4.16 Parameters for TC\_26\_6\_13\_5**

In the TC\_26\_6\_13\_5, the following parameters are arbitrary and controllable:

- The hopping parameters for SDCCH8 channel used in IMMEDIATE ASSIGNMENT message,
- The channel description for the channel used in HANDOVER COMMAND message after time,
- The channel description for the channel used in HANDOVER COMMAND message before time.

**Table 84: Parameters for SDCCH8 of TC\_26\_6\_13\_5**

| Item | Name        | Type         | value           |
|------|-------------|--------------|-----------------|
| 1    | TSPX_Ma14   | BITSTRING[8] | '0 0 0 0 ____'B |
| 2    | TSPX_Hsn14  | BITSTRING[6] | '_____'B        |
| 3    | TSPX_Maio14 | BITSTRING[6] | '_____'B        |

References: Used in the test case TC\_26\_6\_13\_5,  
NOTE: 1. The cell allocation is ARFCNs 20, 30, 50, 70 for GSM and ARFCNs 590, 650, 750, 850 for DCS. ARFCNs 20 and 590 are the BCCH frequency for GSM and DCS respectively. The three empty positions in TSPX\_Ma14 represent (from left to right) 70 (850), 50 (750), 30 (650) and 20 (590). The TSPX\_Ma14 shall include at least one frequency.  
2. The TSPX\_Maio14 is dependent on TSPX\_Ma14. Its value is from 0 to the number of frequencies in TSPX\_Ma14 - 1

**Table 85: Parameters for HANDOVER after time of TC\_26\_6\_13\_5**

| Item | Name        | Type         | value        |
|------|-------------|--------------|--------------|
| 1    | TSPX_Chtp7  | BITSTRING[5] | '0_____'B    |
| 2    | TSPX_ChMod4 | BITSTRING[8] | '000_____'B  |
| 3    | TSPX_Ma15   | BITSTRING[8] | '0000_____'B |
| 4    | TSPX_Hsn15  | BITSTRING[6] | '_____'B     |
| 5    | TSPX_Maio15 | BITSTRING[6] | '_____'B     |
| 6    | TSPX_Tm2    | INTEGER      |              |

References: Used in the test case TC\_26\_6\_13\_5,  
NOTE:

- The cell allocation is ARFCNs 10, 80, 100, 120 for GSM and ARFCNs 520, 600, 700, 870 for DCS. ARFCNs 10 and 520 are the BCCH frequency for GSM and DCS respectively. The four empty positions in TSPX\_Ma15 represent ( from left to right) 120 (870), 100 (700), 80 (600) and 10 (520). The TSPX\_Ma15 shall include at least one frequency. If TSPX\_Ma15 includes only one frequency, the frequency shall not be BCCH carrier.
- The TSPX\_Maio15 is dependent on TSPX\_Ma15. Its value is from 0 to the number of frequencies in TSPX\_Ma15 - 1.
- The TSPX\_Chtp7 is channel type and TDMA offset (T bits indicates subchannel in binary):
  - '00001'B fullrate traffic channel,
  - '0001T'B half rate traffic channel,
  - '01TTT'B SDCCH8 channel
- The TSPX\_ChMod4 is the channel mode:
  - '00000000'B signalling only,
  - '00000001'B full rate speech,
  - '00000101'B half rate speech,
  - '00000011'B data 12.0 kbit/s,
  - '00001011'B data 6.0 kbit/s,
  - '00001111'B data 6.0 kbit/s,
  - '00010011'B 3.6 kbit/s,
  - '00010111'B 3.6 kbit/s.

- The range of value of TSPX\_Tm2 is from 60 to 100.

**Table 86: Parameters for HANDOVER before time of TC\_26\_6\_13\_5**

| Item | Name        | Type         | value        |
|------|-------------|--------------|--------------|
| 1    | TSPX_Ma16   | BITSTRING[8] | '0000_____'B |
| 2    | TSPX_Hsn16  | BITSTRING[6] | '_____'B     |
| 3    | TSPX_Maio16 | BITSTRING[6] | '_____'B     |

References: Used in the test case TC\_26\_6\_13\_5,  
NOTE:

- The cell allocation is ARFCNs 10, 80, 100, 120 for GSM and ARFCNs 520, 600, 700, 870 for DCS. ARFCNs 10 and 520 are the BCCH frequency for GSM and DCS respectively. The four empty positions in TSPX\_Ma16 represent ( from left to right) 120 (870), 100 (700), 80 (600) and 10 (520). The TSPX\_Ma16 shall include at least one frequency. If TSPX\_Ma16 includes only one frequency, the frequency shall not be BCCH carrier.
- The TSPX\_Maio16 is dependent on TSPX\_Ma16. Its value is from 0 to the number of frequencies in TSPX\_Ma16 - 1
- Parameters in this table shall be different from the parameters for after time.

**B.7.2.4.17 Parameters for TC\_26\_6\_13\_6**

In the TC\_26\_6\_13\_6, the following parameters are arbitrary and controllable:

- The hopping parameters for SDCCH8 channel used in IMMEDIATE ASSIGNMENT message,
- The channel description for the channel used in HANDOVER COMMAND message after time,
- The channel description for the channel used in HANDOVER COMMAND message before time.

Table 87: Parameters for SDCCH8 of TC\_26\_6\_13\_6

| Item | Name        | Type         | value              |
|------|-------------|--------------|--------------------|
| 1    | TSPX_Ma17   | BITSTRING[8] | '0 0 0 0 _ _ _ _'B |
| 2    | TSPX_Hsn17  | BITSTRING[6] | ' _ _ _ _ _ _'B    |
| 3    | TSPX_Maio17 | BITSTRING[6] | ' _ _ _ _ _ _'B    |

References: Used in the test case TC\_26\_6\_13\_6,  
NOTE: 1. The cell allocation is ARFCNs 10, 80, 100, 120 for GSM and ARFCNs 520, 600, 700, 870 for DCS. ARFCNs 10 and 520 are the BCCH frequency for GSM and DCS respectively. The four empty positions in TSPX\_Ma17 represent ( from left to right) 120 (870), 100 (700), 80 (600) and 10 (520). The TSPX\_Ma17 shall include at least one frequency. If TSPX\_Ma17 includes only one frequency, the frequency shall not be BCCH carrier.  
2. The TSPX\_Maio17 is dependent on TSPX\_Ma17. Its value is from 0 to the number of frequencies in TSPX\_Ma17 - 1

Table 88: Parameters for HANDOVER after time of TC\_26\_6\_13\_6

| Item | Name        | Type         | value              |
|------|-------------|--------------|--------------------|
| 1    | TSPX_Chtp8  | BITSTRING[5] | '0 _ _ _ _'B       |
| 2    | TSPX_ChMod5 | BITSTRING[8] | '0 0 0 _ _ _ _ _'B |
| 3    | TSPX_Ma18   | BITSTRING[8] | '0 0 0 0 _ _ _ _'B |
| 4    | TSPX_Hsn18  | BITSTRING[6] | ' _ _ _ _ _ _'B    |
| 5    | TSPX_Maio18 | BITSTRING[6] | ' _ _ _ _ _ _'B    |

References: Used in the test case TC\_26\_6\_13\_6,  
NOTE: 11. The cell allocation is ARFCNs 10, 80, 100, 120 for GSM and ARFCNs 520, 600, 700, 870 for DCS. ARFCNs 10 and 520 are the BCCH frequency for GSM and DCS respectively. The four empty positions in TSPX\_Ma18 represent ( from left to right) 120 (870), 100 (700), 80 (600) and 10 (520). The TSPX\_Ma18 shall include at least one frequency. If TSPX\_Ma18 includes only one frequency, the frequency shall not be BCCH carrier.  
2. The TSPX\_Maio18 is dependent on TSPX\_Ma18. Its value is from 0 to the number of frequencies in TSPX\_Ma18 - 1.  
3. The TSPX\_Chtp8 is channel type and TDMA offset (T bits indicates subchannel in binary):  
- '00001'B fullrate traffic channel,  
- '0001T'B half rate traffic channel,  
- '01TTT'B SDCCH8 channel  
4. The TSPX\_ChMod5 is the channel mode:  
- '00000000'B signalling only,  
- '00000001'B full rate speech,  
- '00000101'B half rate speech,  
- '00000011'B data 12.0 kbit/s,  
- '00001011'B data 6.0 kbit/s,  
- '00001111'B data 6.0 kbit/s,  
- '00010011'B 3.6 kbit/s,  
- '00010111'B 3.6 kbit/s.

**Table 89: Parameters for HANDOVER before time of TC\_26\_6\_13\_6**

| Item | Name        | Type         | value               |
|------|-------------|--------------|---------------------|
| 1    | TSPX_Ma19   | BITSTRING[8] | '0 0 0 0 _ _ _ _ 'B |
| 2    | TSPX_Hsn19  | BITSTRING[6] | ' _ _ _ _ _ 'B      |
| 3    | TSPX_Maio19 | BITSTRING[6] | ' _ _ _ _ _ 'B      |

References: Used in the test case TC\_26\_6\_13\_6,  
NOTE: 1. The cell allocation is ARFCNs 20, 30, 50, 70 for GSM and ARFCNs 590, 650, 750, 850 for DCS. ARFCNs 20 and 590 are the BCCH frequency for GSM and DCS respectively. The four empty positions in TSPX\_Ma19 represent ( from left to right) 70 (850), 50 (750), 30 (650) and 20 (590). The TSPX\_Ma19 shall include at least one frequency. If TSPX\_Ma19 includes only one frequency, the frequency shall not be BCCH carrier.  
2. The TSPX\_Maio19 is dependent on TSPX\_Ma19. Its value is from 0 to the number of frequencies in TSPX\_Ma19 - 1  
3. Parameters in this table shall be different from the parameters for after time.

**B.7.2.4.18 Parameters for TC\_26\_6\_13\_7**

In the TC\_26\_6\_13\_7, the following parameters are arbitrary and controllable:

- The hopping parameters for the channel used in IMMEDIATE ASSIGNMENT message,
- The hopping parameters for FREQUENCY REDIFINITION message,
- The channel description for the channel used in HANDOVER COMMAND message after time,
- The channel description for the channel used in HANDOVER COMMAND message before time.

**Table 90: Parameters for IMMEDIATE ASSIGNMENT of TC\_26\_6\_13\_7**

| Item | Name        | Type         | value               |
|------|-------------|--------------|---------------------|
| 1    | TSPX_Chtp9  | BITSTRING[5] | '0 _ _ _ _ 'B       |
| 2    | TSPX_Ma20   | BITSTRING[8] | '0 0 0 0 _ _ _ _ 'B |
| 3    | TSPX_Hsn20  | BITSTRING[6] | ' _ _ _ _ _ 'B      |
| 4    | TSPX_Maio20 | BITSTRING[6] | ' _ _ _ _ _ 'B      |

References: Used in the test case TC\_26\_6\_13\_7,  
NOTE: 1. The cell allocation is ARFCNs 10, 80, 100, 120 for GSM and ARFCNs 520, 600, 700, 870 for DCS. ARFCNs 10 and 520 are the BCCH frequency for GSM and DCS respectively. The four empty positions in TSPX\_Ma20 represent ( from left to right) 120 (870), 100 (700), 80 (600) and 10 (520). The TSPX\_Ma20 shall include at least one frequency. If TSPX\_Ma20 includes only one frequency, the frequency shall not be BCCH carrier.  
2. The TSPX\_Maio20 is dependent on TSPX\_Ma20. Its value is from 0 to the number of frequencies in TSPX\_Ma20 - 1

**Table 91: Parameters for FREQUENCY REDFINITION of TC\_26\_6\_13\_7**

| Item | Name        | Type         | value              |
|------|-------------|--------------|--------------------|
| 1    | TSPX_Ma21   | BITSTRING[8] | '0 0 0 0 _ _ _ _'B |
| 2    | TSPX_Hsn21  | BITSTRING[6] | ' _ _ _ _ _ _'B    |
| 3    | TSPX_Maio21 | BITSTRING[6] | ' _ _ _ _ _ _'B    |

References: Used in the test case TC\_26\_6\_13\_7,  
NOTE: 1. The cell allocation is ARFCNs 10, 80, 100, 120 for GSM and ARFCNs 520, 600, 700, 870 for DCS. ARFCNs 10 and 520 are the BCCH frequency for GSM and DCS respectively. The four empty positions in TSPX\_Ma21 represent ( from left to right) 120 (870), 100 (700), 80 (600) and 10 (520). The TSPX\_Ma21 shall include at least two frequencies.  
2. The TSPX\_Maio21 is dependent on TSPX\_Ma21. Its value is from 0 to the number of frequencies in TSPX\_Ma21 - 1.  
3. Parameters in this table shall be different from the parameters in the above table.

**Table 92: Parameters for HANDOVER after time of TC\_26\_6\_13\_7**

| Item | Name        | Type         | value              |
|------|-------------|--------------|--------------------|
| 1    | TSPX_Chtp10 | BITSTRING[5] | '0 _ _ _ _'B       |
| 2    | TSPX_ChMod6 | BITSTRING[8] | '0 0 0 _ _ _ _'B   |
| 3    | TSPX_Ma22   | BITSTRING[8] | '0 0 0 0 _ _ _ _'B |
| 4    | TSPX_Hsn22  | BITSTRING[6] | ' _ _ _ _ _ _'B    |
| 5    | TSPX_Maio22 | BITSTRING[6] | ' _ _ _ _ _ _'B    |

References: Used in the test case TC\_26\_6\_13\_7,  
NOTE: 11. The cell allocation is ARFCNs 10, 80, 100, 120 for GSM and ARFCNs 520, 600, 700, 870 for DCS. ARFCNs 10 and 520 are the BCCH frequency for GSM and DCS respectively. The four empty positions in TSPX\_Ma22 represent ( from left to right) 120 (870), 100 (700), 80 (600) and 10 (520). The TSPX\_Ma22 shall include at least one frequency. If TSPX\_Ma22 includes only one frequency, the frequency shall not be BCCH carrier.  
2. The TSPX\_Maio22 is dependent on TSPX\_Ma22. Its value is from 0 to the number of frequencies in TSPX\_Ma22 - 1.  
3. The TSPX\_Chtp10 is channel type and TDMA offset (T bits indicates subchannel in binary):  
- '00001'B fullrate traffic channel,  
- '0001T'B half rate traffic channel,  
- '01TTT'B SDCCH8 channel  
4. The TSPX\_ChMod6 is the channel mode:  
- '00000000'B signalling only,  
- '00000001'B full rate speech,  
- '00000101'B half rate speech,  
- '00000011'B data 12.0 kbit/s,  
- '00001011'B data 6.0 kbit/s,  
- '00001111'B data 6.0 kbit/s,  
- '00010011'B 3.6 kbit/s,  
- '00010111'B 3.6 kbit/s.



**Table 93: Parameters for HANDOVER before time of TC\_26\_6\_13\_7**

| Item | Name        | Type         | value               |
|------|-------------|--------------|---------------------|
| 1    | TSPX_Ma23   | BITSTRING[8] | '0 0 0 0 _ _ _ _ 'B |
| 2    | TSPX_Hsn23  | BITSTRING[6] | ' _ _ _ _ _ 'B      |
| 3    | TSPX_Maio23 | BITSTRING[6] | ' _ _ _ _ _ 'B      |

References: Used in the test case TC\_26\_6\_13\_7,  
NOTE: 1. The cell allocation is ARFCNs 20, 30, 50, 70 for GSM and ARFCNs 590, 650, 750, 850 for DCS. ARFCNs 20 and 590 are the BCCH frequency for GSM and DCS respectively. The four empty positions in TSPX\_Ma23 represent ( from left to right) 70 (850), 50 (750), 30 (650) and 20 (590). The TSPX\_Ma23 shall include at least one frequency. If TSPX\_Ma23 includes only one frequency, the frequency shall not be BCCH carrier.  
2. The TSPX\_Maio23 is dependent on TSPX\_Ma23. Its value is from 0 to the number of frequencies in TSPX\_Ma23 - 1  
3. Parameters in this table shall be different from the parameters for after time.

**B.7.2.4.19 Parameters for TC\_26\_6\_13\_8**

In the TC\_26\_6\_13\_8, the following parameters are arbitrary and controllable:

- The hopping parameters for the channel used in IMMEDIATE ASSIGNMENT message,
- The hopping parameters for FREQUENCY REDIFINITION message,
- The channel description for the channel used in HANDOVER COMMAND message after time,
- The channel description for the channel used in HANDOVER COMMAND message before time.

**Table 94: Parameters for IMMEDIATE ASSIGNMENT of TC\_26\_6\_13\_8**

| Item | Name        | Type         | value               |
|------|-------------|--------------|---------------------|
| 1    | TSPX_Chtp11 | BITSTRING[5] | '0 _ _ _ _ 'B       |
| 2    | TSPX_Ma24   | BITSTRING[8] | '0 0 0 0 _ _ _ _ 'B |
| 3    | TSPX_Hsn24  | BITSTRING[6] | ' _ _ _ _ _ 'B      |
| 4    | TSPX_Maio24 | BITSTRING[6] | ' _ _ _ _ _ 'B      |

References: Used in the test case TC\_26\_6\_13\_8,  
NOTE: 1. The cell allocation is ARFCNs 10, 80, 100, 120 for GSM and ARFCNs 520, 600, 700, 870 for DCS. ARFCNs 10 and 520 are the BCCH frequency for GSM and DCS respectively. The four empty positions in TSPX\_Ma24 represent ( from left to right) 120 (870), 100 (700), 80 (600) and 10 (520). The TSPX\_Ma24 shall include at least one frequency. If TSPX\_Ma24 includes only one frequency, the frequency shall not be BCCH carrier.  
2. The TSPX\_Maio24 is dependent on TSPX\_Ma24. Its value is from 0 to the number of frequencies in TSPX\_Ma24 - 1

**Table 95: Parameters for FREQUENCY REDFINITION of TC\_26\_6\_13\_8**

| Item | Name        | Type         | value              |
|------|-------------|--------------|--------------------|
| 1    | TSPX_Ma25   | BITSTRING[8] | '0 0 0 0 _ _ _ _'B |
| 2    | TSPX_Hsn25  | BITSTRING[6] | ' _ _ _ _ _ _'B    |
| 3    | TSPX_Maio25 | BITSTRING[6] | ' _ _ _ _ _ _'B    |

References: Used in the test case TC\_26\_6\_13\_8,  
NOTE:

1. The cell allocation is ARFCNs 10, 80, 100, 120 for GSM and ARFCNs 520, 600, 700, 870 for DCS. ARFCNs 10 and 520 are the BCCH frequency for GSM and DCS respectively. The four empty positions in TSPX\_Ma25 represent ( from left to right) 120 (870), 100 (700), 80 (600) and 10 (520). The TSPX\_Ma25 shall include at least two frequencies.
2. The TSPX\_Maio25 is dependent on TSPX\_Ma25. Its value is from 0 to the number of frequencies in TSPX\_Ma25 - 1.
3. Parameters in this table shall be different from the parameters in the above table.

**Table 96: Parameters for HANDOVER after time of TC\_26\_6\_13\_8**

| Item | Name        | Type         | value              |
|------|-------------|--------------|--------------------|
| 1    | TSPX_Chtp12 | BITSTRING[5] | '0 _ _ _ _'B       |
| 2    | TSPX_ChMod7 | BITSTRING[8] | '0 0 0 _ _ _ _ _'B |
| 3    | TSPX_Ma26   | BITSTRING[8] | '0 0 0 0 _ _ _ _'B |
| 4    | TSPX_Hsn26  | BITSTRING[6] | ' _ _ _ _ _ _'B    |
| 5    | TSPX_Maio26 | BITSTRING[6] | ' _ _ _ _ _ _'B    |

References: Used in the test case TC\_26\_6\_13\_8,  
NOTE:

1. The cell allocation is ARFCNs 10, 80, 100, 120 for GSM and ARFCNs 520, 600, 700, 870 for DCS. ARFCNs 10 and 520 are the BCCH frequency for GSM and DCS respectively. The four empty positions in TSPX\_Ma26 represent ( from left to right) 120 (870), 100 (700), 80 (600) and 10 (520). The TSPX\_Ma26 shall include at least one frequency. If TSPX\_Ma26 includes only one frequency, the frequency shall not be BCCH carrier.
2. The TSPX\_Maio26 is dependent on TSPX\_Ma26. Its value is from 0 to the number of frequencies in TSPX\_Ma26 - 1.
3. The TSPX\_Chtp12 is channel type and TDMA offset (T bits indicates subchannel in binary):
  - '00001'B fullrate traffic channel,
  - '0001T'B half rate traffic channel,
  - '01TTT'B SDCCH8 channel
4. The TSPX\_ChMod7 is the channel mode:
  - '00000000'B signalling only,
  - '00000001'B full rate speech,
  - '00000101'B half rate speech,
  - '00000011'B data 12.0 kbit/s,
  - '00001011'B data 6.0 kbit/s,
  - '00001111'B data 6.0 kbit/s,
  - '00010011'B 3.6 kbit/s,
  - '00010111'B 3.6 kbit/s.

**Table 97: Parameters for HANDOVER before time of TC\_26\_6\_13\_8**

| Item | Name        | Type         | value               |
|------|-------------|--------------|---------------------|
| 1    | TSPX_Ma27   | BITSTRING[8] | '0 0 0 0 _ _ _ _ 'B |
| 2    | TSPX_Hsn27  | BITSTRING[6] | ' _ _ _ _ _ _ 'B    |
| 3    | TSPX_Maio27 | BITSTRING[6] | ' _ _ _ _ _ _ 'B    |

References: Used in the test case TC\_26\_6\_13\_8,

NOTE:

1. The cell allocation is ARFCNs 20, 30, 50, 70 for GSM and ARFCNs 590, 650, 750, 850 for DCS. ARFCNs 20 and 590 are the BCCH frequency for GSM and DCS respectively. The four empty positions in TSPX\_Ma27 represent ( from left to right) 70 (850), 50 (750), 30 (650) and 20 (590). The TSPX\_Ma27 shall include at least one frequency. If TSPX\_Ma27 includes only one frequency, the frequency shall not be BCCH carrier.
2. The TSPX\_Maio27 is dependent on TSPX\_Ma27. Its value is from 0 to the number of frequencies in TSPX\_Ma27 - 1
3. Parameters in this table shall be different from the parameters for after time.

**B.7.2.4.20 Parameters for TC\_26\_6\_13\_9**

In the TC\_26\_6\_13\_9, the following parameters are arbitrary and controllable:

- The hopping parameters for the channel used in IMMEDIATE ASSIGNMENT message after time,
- The hopping parameters for the channel used in IMMEDIATE ASSIGNMENT message before time,

**Table 98: Parameters for IMMEDIATE ASSIGNMENT after time of TC\_26\_6\_13\_9**

| Item | Name        | Type         | value               |
|------|-------------|--------------|---------------------|
| 1    | TSPX_Chtp13 | BITSTRING[5] | '0 _ _ _ _ 'B       |
| 2    | TSPX_Ma28   | BITSTRING[8] | '0 0 0 0 _ _ _ _ 'B |
| 3    | TSPX_Hsn28  | BITSTRING[6] | ' _ _ _ _ _ _ 'B    |
| 4    | TSPX_Maio28 | BITSTRING[6] | ' _ _ _ _ _ _ 'B    |

References: Used in the test case TC\_26\_6\_13\_9,

NOTE:

1. The cell allocation is ARFCNs 10, 80, 100, 120 for GSM and ARFCNs 520, 600, 700, 870 for DCS. ARFCNs 10 and 520 are the BCCH frequency for GSM and DCS respectively. The four empty positions in TSPX\_Ma28 represent ( from left to right) 120 (870), 100 (700), 80 (600) and 10 (520). The TSPX\_Ma28 shall include at least one frequency. If TSPX\_Ma28 includes only one frequency, the frequency shall not be BCCH carrier.
2. The TSPX\_Maio28 is dependent on TSPX\_Ma28. Its value is from 0 to the number of frequencies in TSPX\_Ma28 - 1

**Table 99: Parameters for IMMEDIATE ASSIGNMENT before time of TC\_26\_6\_13\_9**

| Item | Name        | Type         | value              |
|------|-------------|--------------|--------------------|
| 1    | TSPX_Ma29   | BITSTRING[8] | '0 0 0 0 _ _ _ _'B |
| 2    | TSPX_Tm3    | INTEGER      |                    |
| 3    | TSPX_Maio29 | BITSTRING[6] | ' _ _ _ _ _ _'B    |

References: Used in the test case TC\_26\_6\_13\_9,  
NOTE: 1. The cell allocation is ARFCNs 10, 80, 100, 120 for GSM and ARFCNs 520, 600, 700, 870 for DCS. ARFCNs 10 and 520 are the BCCH frequency for GSM and DCS respectively. The four empty positions in TSPX\_Ma29 represent ( from left to right) 120 (870), 100 (700), 80 (600) and 10 (520). The TSPX\_Ma29 shall include at least one frequency. If only one frequency to be used, the frequency shall be different from the BCCH carrier.  
2. The TSPX\_Maio29 is dependent on TSPX\_Ma29. Its value is from 0 to the number of frequencies in TSPX\_Ma29 - 1.  
3. The value range of TSPX\_Tm3 is 60 to 100.  
4. Parameters in this table shall be different from the parameters in the above table.

**B.7.2.4.21 Parameters for TC\_26\_6\_13\_10**

In the TC\_26\_6\_13\_10, the following parameters are arbitrary and controllable:

- The hopping parameters for the channel used in IMMEDIATE ASSIGNMENT message after time,
- The hopping parameters for the channel used in IMMEDIATE ASSIGNMENT message before time,

**Table 100: Parameters for IMMEDIATE ASSIGNMENT after time of TC\_26\_6\_13\_10**

| Item | Name        | Type         | value              |
|------|-------------|--------------|--------------------|
| 1    | TSPX_Chtp14 | BITSTRING[5] | '0 _ _ _ _'B       |
| 2    | TSPX_Ma30   | BITSTRING[8] | '0 0 0 0 _ _ _ _'B |
| 3    | TSPX_Hsn30  | BITSTRING[6] | ' _ _ _ _ _ _'B    |
| 4    | TSPX_Maio30 | BITSTRING[6] | ' _ _ _ _ _ _'B    |

References: Used in the test case TC\_26\_6\_13\_10,  
NOTE: 1. The cell allocation is ARFCNs 10, 80, 100, 120 for GSM and ARFCNs 520, 600, 700, 870 for DCS. ARFCNs 10 and 520 are the BCCH frequency for GSM and DCS respectively. The four empty positions in TSPX\_Ma30 represent ( from left to right) 120 (870), 100 (700), 80 (600) and 10 (520). The TSPX\_Ma30 shall include at least one frequency. If TSPX\_Ma30 includes only one frequency, the frequency shall not be BCCH carrier.  
2. The TSPX\_Maio30 is dependent on TSPX\_Ma30. Its value is from 0 to the number of frequencies in TSPX\_Ma30 - 1

**Table 101: Parameters for IMMEDIATE ASSIGNMENT before time of TC\_26\_6\_13\_10**

| Item | Name        | Type         | value              |
|------|-------------|--------------|--------------------|
| 1    | TSPX_Ma31   | BITSTRING[8] | '0 0 0 0 _ _ _ _'B |
| 2    | TSPX_Maio31 | BITSTRING[6] | ' _ _ _ _ _ _'B    |

References: Used in the test case TC\_26\_6\_13\_10,  
NOTE: 1. The cell allocation is ARFCNs 10, 80, 100, 120 for GSM and ARFCNs 520, 600, 700, 870 for DCS. ARFCNs 10 and 520 are the BCCH frequency for GSM and DCS respectively. The four empty positions in TSPX\_Ma31 represent ( from left to right) 120 (870), 100 (700), 80 (600) and 10 (520). The TSPX\_Ma31 shall include at least one frequency. If only one frequency to be used, the frequency shall be different from the BCCH carrier.  
2. The TSPX\_Maio31 is dependent on TSPX\_Ma31. Its value is from 0 to the number of frequencies in TSPX\_Ma31 - 1.  
3. Parameters in this table shall be different from the parameters in the above table.

#### B.7.2.5 Parameters for Setup message

The following tables are used by the test laboratory to control the setup message used in testing. they shall be filled by the test lab according to the ICS answers from the mobile station manufacturer.

For each basic service, there are three setup messages: TSPX\_Setup????\_1, TSPX\_Setup????\_2 and TSPX\_Setup????\_3.

- If the MS under test supports that basic service, TSPX\_Setup????\_1 shall be filled. If the MS supports more than one bearer capabilities, the TSPX\_????more shall be filled with TRUE and TSPX\_Setup????\_2 shall also be filled. Parameters in TSPX\_Setup????\_2 shall be different from TSPX\_Setup????\_1 as many as possible. The TSPX\_Setup????\_3 is skipped.

- If the MS does not support the basic service, TSPX\_Setup????\_1 and TSPX\_Setup????\_2 are skipped. TSPX\_Setup????\_3 shall be filled with values which are arbitrarily selected among those defined in GSM07.01 Annex B for the basic service.

## B.7.2.5.1 Telephony

Table 102: Parameter TSPX\_SetupTS11\_1

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcrl     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplx     | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| tm       | BITSTRING[1]       |             | transfer mode                                                                      |
| itc      | BITSTRING[3]       |             | information transfer capability                                                    |
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplx     | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 103: Parameter TSPX\_TS11more

| Name          | Type    | Value | Comments |
|---------------|---------|-------|----------|
| TSPX_TS11more | BOOLEAN |       |          |



Table 104: Parameter TSPX\_SetupTS11\_2

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcricri  | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplxm    | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplx     | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B        |                                                                                    |
| hlci     | BITSTRING[7]       |             | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 105: Parameter TSPX\_SetupTS11\_3

| Field    | Type           | Value       | Comments                                                                    |
|----------|----------------|-------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B     |                                                                             |
| pd       | BITSTRING[4]   | '0011'B     |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B |                                                                             |
| omitted? |                |             | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101____'B |                                                                             |
| omitted? |                |             | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |
| extb4    | BITSTRING[1]   |             | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B        | spare bit                                                                   |
| strc     | BITSTRING[1]   |             | structure                                                                   |
| dplx     | BITSTRING[2]   |             | duplex mode                                                                 |
| config   | BITSTRING[1]   |             | configuration                                                               |
| nirr     | BITSTRING[1]   |             | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |             | establishment                                                               |
| extb5    | BITSTRING[1]   |             | extension bit                                                               |
| accid    | BITSTRING[2]   |             | access identify                                                             |
| ra       | BITSTRING[2]   |             | rate adaption                                                               |
| sacp     | BITSTRING[3]   |             | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |             | extension bit                                                               |
| l1id     | BITSTRING[2]   |             | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |             | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |             | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |             | extension bit                                                               |
| nsb      | BITSTRING[1]   |             | number of stop bits                                                         |
| nb       | BITSTRING[1]   |             | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |             | number of data bits                                                         |
| ur       | BITSTRING[4]   |             | user rate                                                                   |
| extb6b   | BITSTRING[1]   |             | extension bit                                                               |
| ir       | BITSTRING[2]   |             | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |             | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |             | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |             | parity information                                                          |
| extb6c   | BITSTRING[1]   |             | extension bit                                                               |
| ce       | BITSTRING[2]   |             | connection element                                                          |
| modemt   | BITSTRING[5]   |             | modem type                                                                  |
| extb7    | BITSTRING[1]   |             | extension bit                                                               |
| l2id     | BITSTRING[2]   |             | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |             | user information L2 protocol                                                |
| omitted? |                |             | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |

|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B           |                                                                                    |
| hlci     | BITSTRING[7]       |                | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

## B.7.2.5.2 Alternate Speech and G3 Fax

Table 106: Parameter TSPX\_SetupTS61\_1

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplxm    | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| tm       | BITSTRING[1]       |             | transfer mode                                                                      |
| itc      | BITSTRING[3]       |             | information transfer capability                                                    |
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplx     | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |



|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 107: Parameter TSPX\_TS61more

| Name          | Type    | Value | Comments |
|---------------|---------|-------|----------|
| TSPX_TS61more | BOOLEAN |       |          |

Table 108: Parameter TSPX\_SetupTS61\_2

| Field    | Type           | Value       | Comments                                                                    |
|----------|----------------|-------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B     |                                                                             |
| pd       | BITSTRING[4]   | '0011'B     |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B |                                                                             |
| omitted? |                |             | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101____'B |                                                                             |
| omitted? |                |             | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |
| extb4    | BITSTRING[1]   |             | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B        | spare bit                                                                   |
| strc     | BITSTRING[1]   |             | structure                                                                   |
| dplxm    | BITSTRING[2]   |             | duplex mode                                                                 |
| config   | BITSTRING[1]   |             | configuration                                                               |
| nirr     | BITSTRING[1]   |             | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |             | establishment                                                               |
| extb5    | BITSTRING[1]   |             | extension bit                                                               |
| accid    | BITSTRING[2]   |             | access identify                                                             |
| ra       | BITSTRING[2]   |             | rate adaption                                                               |
| sacp     | BITSTRING[3]   |             | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |             | extension bit                                                               |
| l1id     | BITSTRING[2]   |             | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |             | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |             | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |             | extension bit                                                               |
| nsb      | BITSTRING[1]   |             | number of stop bits                                                         |
| nb       | BITSTRING[1]   |             | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |             | number of data bits                                                         |
| ur       | BITSTRING[4]   |             | user rate                                                                   |
| extb6b   | BITSTRING[1]   |             | extension bit                                                               |
| ir       | BITSTRING[2]   |             | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |             | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |             | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |             | parity information                                                          |
| extb6c   | BITSTRING[1]   |             | extension bit                                                               |
| ce       | BITSTRING[2]   |             | connection element                                                          |
| modemt   | BITSTRING[5]   |             | modem type                                                                  |
| extb7    | BITSTRING[1]   |             | extension bit                                                               |
| l2id     | BITSTRING[2]   |             | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |             | user information L2 protocol                                                |
| omitted? |                |             | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |

|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B           |                                                                                    |
| hlci     | BITSTRING[7]       |                | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 109: Parameter TSPX\_SetupTS61\_3

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcrl     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplx     | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplx     | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B        |                                                                                    |
| hlci     | BITSTRING[7]       |             | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

## B.7.2.5.3 Automatic G3 fax

Table 110: Parameter TSPX\_SetupTS62\_1

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcrl     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplx     | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |



|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| tm       | BITSTRING[1]       |                | transfer mode                                                                      |
| itc      | BITSTRING[3]       |                | information transfer capability                                                    |
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplxm    | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmpp     | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 111: Parameter TSPX\_TS62more

| Name          | Type    | Value | Comments |
|---------------|---------|-------|----------|
| TSPX_TS62more | BOOLEAN |       |          |

Table 112: Parameter TSPX\_SetupTS62\_2

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcrl     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplx     | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplxm    | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmpp     | BITSTRING[2]       |             | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B        |                                                                                    |
| hlci     | BITSTRING[7]       |             | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 113: Parameter TSPX\_SetupTS62\_3

| Field    | Type           | Value       | Comments                                                                    |
|----------|----------------|-------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B     |                                                                             |
| pd       | BITSTRING[4]   | '0011'B     |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B |                                                                             |
| omitted? |                |             | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101____'B |                                                                             |
| omitted? |                |             | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |
| extb4    | BITSTRING[1]   |             | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B        | spare bit                                                                   |
| strc     | BITSTRING[1]   |             | structure                                                                   |
| dplx     | BITSTRING[2]   |             | duplex mode                                                                 |
| config   | BITSTRING[1]   |             | configuration                                                               |
| nirr     | BITSTRING[1]   |             | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |             | establishment                                                               |
| extb5    | BITSTRING[1]   |             | extension bit                                                               |
| accid    | BITSTRING[2]   |             | access identify                                                             |
| ra       | BITSTRING[2]   |             | rate adaption                                                               |
| sacp     | BITSTRING[3]   |             | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |             | extension bit                                                               |
| l1id     | BITSTRING[2]   |             | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |             | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |             | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |             | extension bit                                                               |
| nsb      | BITSTRING[1]   |             | number of stop bits                                                         |
| nb       | BITSTRING[1]   |             | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |             | number of data bits                                                         |
| ur       | BITSTRING[4]   |             | user rate                                                                   |
| extb6b   | BITSTRING[1]   |             | extension bit                                                               |
| ir       | BITSTRING[2]   |             | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |             | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |             | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |             | parity information                                                          |
| extb6c   | BITSTRING[1]   |             | extension bit                                                               |
| ce       | BITSTRING[2]   |             | connection element                                                          |
| modemt   | BITSTRING[5]   |             | modem type                                                                  |
| extb7    | BITSTRING[1]   |             | extension bit                                                               |
| l2id     | BITSTRING[2]   |             | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |             | user information L2 protocol                                                |
| omitted? |                |             | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |

|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B           |                                                                                    |
| hlci     | BITSTRING[7]       |                | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |



## B.7.2.5.4 Data circuit duplex async. 300 bit/s

Table 114: Parameter TSPX\_SetupBS21\_1

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplxm    | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| tm       | BITSTRING[1]       |             | transfer mode                                                                      |
| itc      | BITSTRING[3]       |             | information transfer capability                                                    |
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplxm    | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 115: Parameter TSPX\_BS21more

| Name          | Type    | Value | Comments |
|---------------|---------|-------|----------|
| TSPX_BS21more | BOOLEAN |       |          |

Table 116: Parameter TSPX\_SetupBS21\_2

| Field    | Type           | Value       | Comments                                                                    |
|----------|----------------|-------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B     |                                                                             |
| pd       | BITSTRING[4]   | '0011'B     |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B |                                                                             |
| omitted? |                |             | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101____'B |                                                                             |
| omitted? |                |             | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |
| extb4    | BITSTRING[1]   |             | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B        | spare bit                                                                   |
| strc     | BITSTRING[1]   |             | structure                                                                   |
| dplxm    | BITSTRING[2]   |             | duplex mode                                                                 |
| config   | BITSTRING[1]   |             | configuration                                                               |
| nirr     | BITSTRING[1]   |             | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |             | establishment                                                               |
| extb5    | BITSTRING[1]   |             | extension bit                                                               |
| accid    | BITSTRING[2]   |             | access identify                                                             |
| ra       | BITSTRING[2]   |             | rate adaption                                                               |
| sacp     | BITSTRING[3]   |             | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |             | extension bit                                                               |
| l1id     | BITSTRING[2]   |             | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |             | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |             | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |             | extension bit                                                               |
| nsb      | BITSTRING[1]   |             | number of stop bits                                                         |
| nb       | BITSTRING[1]   |             | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |             | number of data bits                                                         |
| ur       | BITSTRING[4]   |             | user rate                                                                   |
| extb6b   | BITSTRING[1]   |             | extension bit                                                               |
| ir       | BITSTRING[2]   |             | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |             | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |             | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |             | parity information                                                          |
| extb6c   | BITSTRING[1]   |             | extension bit                                                               |
| ce       | BITSTRING[2]   |             | connection element                                                          |
| modemt   | BITSTRING[5]   |             | modem type                                                                  |
| extb7    | BITSTRING[1]   |             | extension bit                                                               |
| l2id     | BITSTRING[2]   |             | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |             | user information L2 protocol                                                |
| omitted? |                |             | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |

|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B           |                                                                                    |
| hlci     | BITSTRING[7]       |                | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmpp     | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 117: Parameter TSPX\_SetupBS21\_3

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplx     | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplxm    | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmpp     | BITSTRING[2]       |             | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B        |                                                                                    |
| hlci     | BITSTRING[7]       |             | high layer characteristic identification                                           |



|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

## B.7.2.5.5 Data circuit duplex async. 1200 bit/s

Table 118: Parameter TSPX\_SetupBS22\_1

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplxm    | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |

|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| tm       | BITSTRING[1]       |                | transfer mode                                                                      |
| itc      | BITSTRING[3]       |                | information transfer capability                                                    |
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmpp     | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 119: Parameter TSPX\_BS22more

| Name          | Type    | Value | Comments |
|---------------|---------|-------|----------|
| TSPX_BS22more | BOOLEAN |       |          |

Table 120: Parameter TSPX\_SetupBS22\_2

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplx     | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplx     | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B        |                                                                                    |
| hlci     | BITSTRING[7]       |             | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 121: Parameter TSPX\_SetupBS22\_3

| Field    | Type           | Value       | Comments                                                                    |
|----------|----------------|-------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B     |                                                                             |
| pd       | BITSTRING[4]   | '0011'B     |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B |                                                                             |
| omitted? |                |             | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101____'B |                                                                             |
| omitted? |                |             | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |
| extb4    | BITSTRING[1]   |             | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B        | spare bit                                                                   |
| strc     | BITSTRING[1]   |             | structure                                                                   |
| dplx     | BITSTRING[2]   |             | duplex mode                                                                 |
| config   | BITSTRING[1]   |             | configuration                                                               |
| nirr     | BITSTRING[1]   |             | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |             | establishment                                                               |
| extb5    | BITSTRING[1]   |             | extension bit                                                               |
| accid    | BITSTRING[2]   |             | access identify                                                             |
| ra       | BITSTRING[2]   |             | rate adaption                                                               |
| sacp     | BITSTRING[3]   |             | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |             | extension bit                                                               |
| l1id     | BITSTRING[2]   |             | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |             | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |             | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |             | extension bit                                                               |
| nsb      | BITSTRING[1]   |             | number of stop bits                                                         |
| nb       | BITSTRING[1]   |             | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |             | number of data bits                                                         |
| ur       | BITSTRING[4]   |             | user rate                                                                   |
| extb6b   | BITSTRING[1]   |             | extension bit                                                               |
| ir       | BITSTRING[2]   |             | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |             | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |             | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |             | parity information                                                          |
| extb6c   | BITSTRING[1]   |             | extension bit                                                               |
| ce       | BITSTRING[2]   |             | connection element                                                          |
| modemt   | BITSTRING[5]   |             | modem type                                                                  |
| extb7    | BITSTRING[1]   |             | extension bit                                                               |
| l2id     | BITSTRING[2]   |             | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |             | user information L2 protocol                                                |
| omitted? |                |             | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |



|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B           |                                                                                    |
| hlci     | BITSTRING[7]       |                | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

## B.7.2.5.6 Data circuit duplex async. 1200/75 bit/s

Table 122: Parameter TSPX\_SetupBS23\_1

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplxm    | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| tm       | BITSTRING[1]       |             | transfer mode                                                                      |
| itc      | BITSTRING[3]       |             | information transfer capability                                                    |
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplx     | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 123: Parameter TSPX\_BS23more

| Name          | Type    | Value | Comments |
|---------------|---------|-------|----------|
| TSPX_BS23more | BOOLEAN |       |          |

Table 124: Parameter TSPX\_SetupBS23\_2

| Field    | Type           | Value       | Comments                                                                    |
|----------|----------------|-------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B     |                                                                             |
| pd       | BITSTRING[4]   | '0011'B     |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B |                                                                             |
| omitted? |                |             | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101____'B |                                                                             |
| omitted? |                |             | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |
| extb4    | BITSTRING[1]   |             | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B        | spare bit                                                                   |
| strc     | BITSTRING[1]   |             | structure                                                                   |
| dplxm    | BITSTRING[2]   |             | duplex mode                                                                 |
| config   | BITSTRING[1]   |             | configuration                                                               |
| nirr     | BITSTRING[1]   |             | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |             | establishment                                                               |
| extb5    | BITSTRING[1]   |             | extension bit                                                               |
| accid    | BITSTRING[2]   |             | access identify                                                             |
| ra       | BITSTRING[2]   |             | rate adaption                                                               |
| sacp     | BITSTRING[3]   |             | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |             | extension bit                                                               |
| l1id     | BITSTRING[2]   |             | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |             | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |             | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |             | extension bit                                                               |
| nsb      | BITSTRING[1]   |             | number of stop bits                                                         |
| nb       | BITSTRING[1]   |             | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |             | number of data bits                                                         |
| ur       | BITSTRING[4]   |             | user rate                                                                   |
| extb6b   | BITSTRING[1]   |             | extension bit                                                               |
| ir       | BITSTRING[2]   |             | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |             | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |             | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |             | parity information                                                          |
| extb6c   | BITSTRING[1]   |             | extension bit                                                               |
| ce       | BITSTRING[2]   |             | connection element                                                          |
| modemt   | BITSTRING[5]   |             | modem type                                                                  |
| extb7    | BITSTRING[1]   |             | extension bit                                                               |
| l2id     | BITSTRING[2]   |             | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |             | user information L2 protocol                                                |
| omitted? |                |             | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |

|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B           |                                                                                    |
| hlci     | BITSTRING[7]       |                | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |



Table 125: Parameter TSPX\_SetupBS23\_3

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplxm    | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplxm    | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101____'B |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101____'B |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B        |                                                                                    |
| hlci     | BITSTRING[7]       |             | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

## B.7.2.5.7 Data circuit duplex async. 2400 bit/s

Table 126: Parameter TSPX\_SetupBS24\_1

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplxm    | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |

|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| tm       | BITSTRING[1]       |                | transfer mode                                                                      |
| itc      | BITSTRING[3]       |                | information transfer capability                                                    |
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 127: Parameter TSPX\_BS24more

| Name          | Type    | Value | Comments |
|---------------|---------|-------|----------|
| TSPX_BS24more | BOOLEAN |       |          |

Table 128: Parameter TSPX\_SetupBS24\_2

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplx     | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplxm    | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B        |                                                                                    |
| hlci     | BITSTRING[7]       |             | high layer characteristic identification                                           |



|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 129: Parameter TSPX\_SetupBS24\_3

| Field    | Type           | Value       | Comments                                                                    |
|----------|----------------|-------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B     |                                                                             |
| pd       | BITSTRING[4]   | '0011'B     |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B |                                                                             |
| omitted? |                |             | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101____'B |                                                                             |
| omitted? |                |             | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |
| extb4    | BITSTRING[1]   |             | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B        | spare bit                                                                   |
| strc     | BITSTRING[1]   |             | structure                                                                   |
| dplxm    | BITSTRING[2]   |             | duplex mode                                                                 |
| config   | BITSTRING[1]   |             | configuration                                                               |
| nirr     | BITSTRING[1]   |             | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |             | establishment                                                               |
| extb5    | BITSTRING[1]   |             | extension bit                                                               |
| accid    | BITSTRING[2]   |             | access identify                                                             |
| ra       | BITSTRING[2]   |             | rate adaption                                                               |
| sacp     | BITSTRING[3]   |             | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |             | extension bit                                                               |
| l1id     | BITSTRING[2]   |             | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |             | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |             | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |             | extension bit                                                               |
| nsb      | BITSTRING[1]   |             | number of stop bits                                                         |
| nb       | BITSTRING[1]   |             | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |             | number of data bits                                                         |
| ur       | BITSTRING[4]   |             | user rate                                                                   |
| extb6b   | BITSTRING[1]   |             | extension bit                                                               |
| ir       | BITSTRING[2]   |             | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |             | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |             | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |             | parity information                                                          |
| extb6c   | BITSTRING[1]   |             | extension bit                                                               |
| ce       | BITSTRING[2]   |             | connection element                                                          |
| modemt   | BITSTRING[5]   |             | modem type                                                                  |
| extb7    | BITSTRING[1]   |             | extension bit                                                               |
| l2id     | BITSTRING[2]   |             | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |             | user information L2 protocol                                                |
| omitted? |                |             | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |

|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B           |                                                                                    |
| hlci     | BITSTRING[7]       |                | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

## B.7.2.5.8 Data circuit duplex async. 4800 bit/s

Table 130: Parameter TSPX\_SetupBS25\_1

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplx     | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |

|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| tm       | BITSTRING[1]       |                | transfer mode                                                                      |
| itc      | BITSTRING[3]       |                | information transfer capability                                                    |
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 131: Parameter TSPX\_BS25more

| Name          | Type    | Value | Comments |
|---------------|---------|-------|----------|
| TSPX_BS25more | BOOLEAN |       |          |

Table 132: Parameter TSPX\_SetupBS25\_2

| Field    | Type           | Value       | Comments                                                                    |
|----------|----------------|-------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B     |                                                                             |
| pd       | BITSTRING[4]   | '0011'B     |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B |                                                                             |
| omitted? |                |             | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101____'B |                                                                             |
| omitted? |                |             | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |
| extb4    | BITSTRING[1]   |             | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B        | spare bit                                                                   |
| strc     | BITSTRING[1]   |             | structure                                                                   |
| dplx     | BITSTRING[2]   |             | duplex mode                                                                 |
| config   | BITSTRING[1]   |             | configuration                                                               |
| nirr     | BITSTRING[1]   |             | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |             | establishment                                                               |
| extb5    | BITSTRING[1]   |             | extension bit                                                               |
| accid    | BITSTRING[2]   |             | access identify                                                             |
| ra       | BITSTRING[2]   |             | rate adaption                                                               |
| sacp     | BITSTRING[3]   |             | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |             | extension bit                                                               |
| l1id     | BITSTRING[2]   |             | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |             | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |             | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |             | extension bit                                                               |
| nsb      | BITSTRING[1]   |             | number of stop bits                                                         |
| nb       | BITSTRING[1]   |             | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |             | number of data bits                                                         |
| ur       | BITSTRING[4]   |             | user rate                                                                   |
| extb6b   | BITSTRING[1]   |             | extension bit                                                               |
| ir       | BITSTRING[2]   |             | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |             | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |             | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |             | parity information                                                          |
| extb6c   | BITSTRING[1]   |             | extension bit                                                               |
| ce       | BITSTRING[2]   |             | connection element                                                          |
| modemt   | BITSTRING[5]   |             | modem type                                                                  |
| extb7    | BITSTRING[1]   |             | extension bit                                                               |
| l2id     | BITSTRING[2]   |             | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |             | user information L2 protocol                                                |
| omitted? |                |             | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |



|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B           |                                                                                    |
| hlci     | BITSTRING[7]       |                | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 133: Parameter TSPX\_SetupBS25\_3

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplx     | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplx     | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B        |                                                                                    |
| hlci     | BITSTRING[7]       |             | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

## B.7.2.5.9 Data circuit duplex async. 9600 bit/s

Table 134: Parameter TSPX\_SetupBS26\_1

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcric    | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplxm    | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |

|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| tm       | BITSTRING[1]       |                | transfer mode                                                                      |
| itc      | BITSTRING[3]       |                | information transfer capability                                                    |
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmpp     | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 135: Parameter TSPX\_BS26more

| Name          | Type    | Value | Comments |
|---------------|---------|-------|----------|
| TSPX_BS26more | BOOLEAN |       |          |



Table 136: Parameter TSPX\_SetupBS26\_2

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplx     | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplx     | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B        |                                                                                    |
| hlci     | BITSTRING[7]       |             | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 137: Parameter TSPX\_SetupBS26\_3

| Field    | Type           | Value       | Comments                                                                    |
|----------|----------------|-------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B     |                                                                             |
| pd       | BITSTRING[4]   | '0011'B     |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B |                                                                             |
| omitted? |                |             | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101____'B |                                                                             |
| omitted? |                |             | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |
| extb4    | BITSTRING[1]   |             | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B        | spare bit                                                                   |
| strc     | BITSTRING[1]   |             | structure                                                                   |
| dplxm    | BITSTRING[2]   |             | duplex mode                                                                 |
| config   | BITSTRING[1]   |             | configuration                                                               |
| nirr     | BITSTRING[1]   |             | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |             | establishment                                                               |
| extb5    | BITSTRING[1]   |             | extension bit                                                               |
| accid    | BITSTRING[2]   |             | access identify                                                             |
| ra       | BITSTRING[2]   |             | rate adaption                                                               |
| sacp     | BITSTRING[3]   |             | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |             | extension bit                                                               |
| l1id     | BITSTRING[2]   |             | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |             | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |             | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |             | extension bit                                                               |
| nsb      | BITSTRING[1]   |             | number of stop bits                                                         |
| nb       | BITSTRING[1]   |             | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |             | number of data bits                                                         |
| ur       | BITSTRING[4]   |             | user rate                                                                   |
| extb6b   | BITSTRING[1]   |             | extension bit                                                               |
| ir       | BITSTRING[2]   |             | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |             | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |             | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |             | parity information                                                          |
| extb6c   | BITSTRING[1]   |             | extension bit                                                               |
| ce       | BITSTRING[2]   |             | connection element                                                          |
| modemt   | BITSTRING[5]   |             | modem type                                                                  |
| extb7    | BITSTRING[1]   |             | extension bit                                                               |
| l2id     | BITSTRING[2]   |             | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |             | user information L2 protocol                                                |
| omitted? |                |             | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |

|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B           |                                                                                    |
| hlci     | BITSTRING[7]       |                | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

## B.7.2.5.10 Data circuit duplex sync. 1200 bit/s

Table 138: Parameter TSPX\_SetupBS31\_1

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplxm    | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| tm       | BITSTRING[1]       |             | transfer mode                                                                      |
| itc      | BITSTRING[3]       |             | information transfer capability                                                    |
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplx     | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |



|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 139: Parameter TSPX\_BS31more

| Name          | Type    | Value | Comments |
|---------------|---------|-------|----------|
| TSPX_BS31more | BOOLEAN |       |          |

Table 140: Parameter TSPX\_SetupBS31\_2

| Field    | Type           | Value       | Comments                                                                    |
|----------|----------------|-------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B     |                                                                             |
| pd       | BITSTRING[4]   | '0011'B     |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B |                                                                             |
| omitted? |                |             | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101____'B |                                                                             |
| omitted? |                |             | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |
| extb4    | BITSTRING[1]   |             | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B        | spare bit                                                                   |
| strc     | BITSTRING[1]   |             | structure                                                                   |
| dplx     | BITSTRING[2]   |             | duplex mode                                                                 |
| config   | BITSTRING[1]   |             | configuration                                                               |
| nirr     | BITSTRING[1]   |             | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |             | establishment                                                               |
| extb5    | BITSTRING[1]   |             | extension bit                                                               |
| accid    | BITSTRING[2]   |             | access identify                                                             |
| ra       | BITSTRING[2]   |             | rate adaption                                                               |
| sacp     | BITSTRING[3]   |             | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |             | extension bit                                                               |
| l1id     | BITSTRING[2]   |             | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |             | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |             | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |             | extension bit                                                               |
| nsb      | BITSTRING[1]   |             | number of stop bits                                                         |
| nb       | BITSTRING[1]   |             | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |             | number of data bits                                                         |
| ur       | BITSTRING[4]   |             | user rate                                                                   |
| extb6b   | BITSTRING[1]   |             | extension bit                                                               |
| ir       | BITSTRING[2]   |             | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |             | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |             | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |             | parity information                                                          |
| extb6c   | BITSTRING[1]   |             | extension bit                                                               |
| ce       | BITSTRING[2]   |             | connection element                                                          |
| modemt   | BITSTRING[5]   |             | modem type                                                                  |
| extb7    | BITSTRING[1]   |             | extension bit                                                               |
| l2id     | BITSTRING[2]   |             | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |             | user information L2 protocol                                                |
| omitted? |                |             | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |

|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplxm    | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B           |                                                                                    |
| hlci     | BITSTRING[7]       |                | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 141: Parameter TSPX\_SetupBS31\_3

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplx     | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplx     | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101____'B |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101____'B |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B        |                                                                                    |
| hlci     | BITSTRING[7]       |             | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

## B.7.2.5.11 Data circuit duplex sync. 2400 bit/s

Table 142: Parameter TSPX\_SetupBS32\_1

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplxm    | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |



|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| tm       | BITSTRING[1]       |                | transfer mode                                                                      |
| itc      | BITSTRING[3]       |                | information transfer capability                                                    |
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 143: Parameter TSPX\_BS32more

| Name          | Type    | Value | Comments |
|---------------|---------|-------|----------|
| TSPX_BS32more | BOOLEAN |       |          |

Table 144: Parameter TSPX\_SetupBS32\_2

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplx     | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplx     | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B        |                                                                                    |
| hlci     | BITSTRING[7]       |             | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 145: Parameter TSPX\_SetupBS32\_3

| Field    | Type           | Value       | Comments                                                                    |
|----------|----------------|-------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B     |                                                                             |
| pd       | BITSTRING[4]   | '0011'B     |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B |                                                                             |
| omitted? |                |             | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101____'B |                                                                             |
| omitted? |                |             | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |
| extb4    | BITSTRING[1]   |             | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B        | spare bit                                                                   |
| strc     | BITSTRING[1]   |             | structure                                                                   |
| dplx     | BITSTRING[2]   |             | duplex mode                                                                 |
| config   | BITSTRING[1]   |             | configuration                                                               |
| nirr     | BITSTRING[1]   |             | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |             | establishment                                                               |
| extb5    | BITSTRING[1]   |             | extension bit                                                               |
| accid    | BITSTRING[2]   |             | access identify                                                             |
| ra       | BITSTRING[2]   |             | rate adaption                                                               |
| sacp     | BITSTRING[3]   |             | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |             | extension bit                                                               |
| l1id     | BITSTRING[2]   |             | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |             | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |             | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |             | extension bit                                                               |
| nsb      | BITSTRING[1]   |             | number of stop bits                                                         |
| nb       | BITSTRING[1]   |             | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |             | number of data bits                                                         |
| ur       | BITSTRING[4]   |             | user rate                                                                   |
| extb6b   | BITSTRING[1]   |             | extension bit                                                               |
| ir       | BITSTRING[2]   |             | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |             | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |             | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |             | parity information                                                          |
| extb6c   | BITSTRING[1]   |             | extension bit                                                               |
| ce       | BITSTRING[2]   |             | connection element                                                          |
| modemt   | BITSTRING[5]   |             | modem type                                                                  |
| extb7    | BITSTRING[1]   |             | extension bit                                                               |
| l2id     | BITSTRING[2]   |             | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |             | user information L2 protocol                                                |
| omitted? |                |             | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |

|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B           |                                                                                    |
| hlci     | BITSTRING[7]       |                | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |



## B.7.2.5.12 Data circuit duplex sync. 4800 bit/s

Table 146: Parameter TSPX\_SetupBS33\_1

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplxm    | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| tm       | BITSTRING[1]       |             | transfer mode                                                                      |
| itc      | BITSTRING[3]       |             | information transfer capability                                                    |
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplx     | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 147: Parameter TSPX\_BS33more

| Name          | Type    | Value | Comments |
|---------------|---------|-------|----------|
| TSPX_BS33more | BOOLEAN |       |          |

Table 148: Parameter TSPX\_SetupBS33\_2

| Field    | Type           | Value       | Comments                                                                    |
|----------|----------------|-------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B     |                                                                             |
| pd       | BITSTRING[4]   | '0011'B     |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B |                                                                             |
| omitted? |                |             | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101____'B |                                                                             |
| omitted? |                |             | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |
| extb4    | BITSTRING[1]   |             | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B        | spare bit                                                                   |
| strc     | BITSTRING[1]   |             | structure                                                                   |
| dplx     | BITSTRING[2]   |             | duplex mode                                                                 |
| config   | BITSTRING[1]   |             | configuration                                                               |
| nirr     | BITSTRING[1]   |             | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |             | establishment                                                               |
| extb5    | BITSTRING[1]   |             | extension bit                                                               |
| accid    | BITSTRING[2]   |             | access identify                                                             |
| ra       | BITSTRING[2]   |             | rate adaption                                                               |
| sacp     | BITSTRING[3]   |             | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |             | extension bit                                                               |
| l1id     | BITSTRING[2]   |             | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |             | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |             | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |             | extension bit                                                               |
| nsb      | BITSTRING[1]   |             | number of stop bits                                                         |
| nb       | BITSTRING[1]   |             | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |             | number of data bits                                                         |
| ur       | BITSTRING[4]   |             | user rate                                                                   |
| extb6b   | BITSTRING[1]   |             | extension bit                                                               |
| ir       | BITSTRING[2]   |             | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |             | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |             | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |             | parity information                                                          |
| extb6c   | BITSTRING[1]   |             | extension bit                                                               |
| ce       | BITSTRING[2]   |             | connection element                                                          |
| modemt   | BITSTRING[5]   |             | modem type                                                                  |
| extb7    | BITSTRING[1]   |             | extension bit                                                               |
| l2id     | BITSTRING[2]   |             | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |             | user information L2 protocol                                                |
| omitted? |                |             | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |

|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B           |                                                                                    |
| hlci     | BITSTRING[7]       |                | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 149: Parameter TSPX\_SetupBS33\_3

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplx     | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplx     | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B        |                                                                                    |
| hlci     | BITSTRING[7]       |             | high layer characteristic identification                                           |



|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

## B.7.2.5.13 Data circuit duplex sync. 9600 bit/s

Table 150: Parameter TSPX\_SetupBS34\_1

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcricri  | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplxm    | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |

|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| tm       | BITSTRING[1]       |                | transfer mode                                                                      |
| itc      | BITSTRING[3]       |                | information transfer capability                                                    |
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 151: Parameter TSPX\_BS34more

| Name          | Type    | Value | Comments |
|---------------|---------|-------|----------|
| TSPX_BS34more | BOOLEAN |       |          |

Table 152: Parameter TSPX\_SetupBS34\_2

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplxm    | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplx     | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B        |                                                                                    |
| hlci     | BITSTRING[7]       |             | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 153: Parameter TSPX\_SetupBS34\_3

| Field    | Type           | Value       | Comments                                                                    |
|----------|----------------|-------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B     |                                                                             |
| pd       | BITSTRING[4]   | '0011'B     |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B |                                                                             |
| omitted? |                |             | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101____'B |                                                                             |
| omitted? |                |             | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |
| extb4    | BITSTRING[1]   |             | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B        | spare bit                                                                   |
| strc     | BITSTRING[1]   |             | structure                                                                   |
| dplx     | BITSTRING[2]   |             | duplex mode                                                                 |
| config   | BITSTRING[1]   |             | configuration                                                               |
| nirr     | BITSTRING[1]   |             | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |             | establishment                                                               |
| extb5    | BITSTRING[1]   |             | extension bit                                                               |
| accid    | BITSTRING[2]   |             | access identify                                                             |
| ra       | BITSTRING[2]   |             | rate adaption                                                               |
| sacp     | BITSTRING[3]   |             | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |             | extension bit                                                               |
| l1id     | BITSTRING[2]   |             | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |             | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |             | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |             | extension bit                                                               |
| nsb      | BITSTRING[1]   |             | number of stop bits                                                         |
| nb       | BITSTRING[1]   |             | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |             | number of data bits                                                         |
| ur       | BITSTRING[4]   |             | user rate                                                                   |
| extb6b   | BITSTRING[1]   |             | extension bit                                                               |
| ir       | BITSTRING[2]   |             | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |             | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |             | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |             | parity information                                                          |
| extb6c   | BITSTRING[1]   |             | extension bit                                                               |
| ce       | BITSTRING[2]   |             | connection element                                                          |
| modemt   | BITSTRING[5]   |             | modem type                                                                  |
| extb7    | BITSTRING[1]   |             | extension bit                                                               |
| l2id     | BITSTRING[2]   |             | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |             | user information L2 protocol                                                |
| omitted? |                |             | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |



|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B           |                                                                                    |
| hlci     | BITSTRING[7]       |                | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

## B.7.2.5.14 PAD Access 300 bit/s

Table 154: Parameter TSPX\_SetupBS41\_1

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplx     | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |

|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| tm       | BITSTRING[1]       |                | transfer mode                                                                      |
| itc      | BITSTRING[3]       |                | information transfer capability                                                    |
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplxm    | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 155: Parameter TSPX\_BS41more

| Name          | Type    | Value | Comments |
|---------------|---------|-------|----------|
| TSPX_BS41more | BOOLEAN |       |          |

Table 156: Parameter TSPX\_SetupBS41\_2

| Field    | Type           | Value       | Comments                                                                    |
|----------|----------------|-------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B     |                                                                             |
| pd       | BITSTRING[4]   | '0011'B     |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B |                                                                             |
| omitted? |                |             | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101____'B |                                                                             |
| omitted? |                |             | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |
| extb4    | BITSTRING[1]   |             | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B        | spare bit                                                                   |
| strc     | BITSTRING[1]   |             | structure                                                                   |
| dplxm    | BITSTRING[2]   |             | duplex mode                                                                 |
| config   | BITSTRING[1]   |             | configuration                                                               |
| nirr     | BITSTRING[1]   |             | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |             | establishment                                                               |
| extb5    | BITSTRING[1]   |             | extension bit                                                               |
| accid    | BITSTRING[2]   |             | access identify                                                             |
| ra       | BITSTRING[2]   |             | rate adaption                                                               |
| sacp     | BITSTRING[3]   |             | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |             | extension bit                                                               |
| l1id     | BITSTRING[2]   |             | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |             | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |             | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |             | extension bit                                                               |
| nsb      | BITSTRING[1]   |             | number of stop bits                                                         |
| nb       | BITSTRING[1]   |             | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |             | number of data bits                                                         |
| ur       | BITSTRING[4]   |             | user rate                                                                   |
| extb6b   | BITSTRING[1]   |             | extension bit                                                               |
| ir       | BITSTRING[2]   |             | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |             | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |             | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |             | parity information                                                          |
| extb6c   | BITSTRING[1]   |             | extension bit                                                               |
| ce       | BITSTRING[2]   |             | connection element                                                          |
| modemt   | BITSTRING[5]   |             | modem type                                                                  |
| extb7    | BITSTRING[1]   |             | extension bit                                                               |
| l2id     | BITSTRING[2]   |             | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |             | user information L2 protocol                                                |
| omitted? |                |             | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplx     | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B        |                                                                                    |
| hlci     | BITSTRING[7]       |             | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |



Table 157: Parameter TSPX\_SetupBS41\_3

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplxm    | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplx     | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B        |                                                                                    |
| hlci     | BITSTRING[7]       |             | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

## B.7.2.5.15 PAD Access 1200 bit/s

Table 158: Parameter TSPX\_SetupBS42\_1

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplxm    | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |

|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| tm       | BITSTRING[1]       |                | transfer mode                                                                      |
| itc      | BITSTRING[3]       |                | information transfer capability                                                    |
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplxm    | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 159: Parameter TSPX\_BS42more

| Name          | Type    | Value | Comments |
|---------------|---------|-------|----------|
| TSPX_BS42more | BOOLEAN |       |          |

Table 160: Parameter TSPX\_SetupBS42\_2

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplxm    | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplx     | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B        |                                                                                    |
| hlci     | BITSTRING[7]       |             | high layer characteristic identification                                           |



|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 161: Parameter TSPX\_SetupBS42\_3

| Field    | Type           | Value       | Comments                                                                    |
|----------|----------------|-------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B     |                                                                             |
| pd       | BITSTRING[4]   | '0011'B     |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B |                                                                             |
| omitted? |                |             | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101____'B |                                                                             |
| omitted? |                |             | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |
| extb4    | BITSTRING[1]   |             | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B        | spare bit                                                                   |
| strc     | BITSTRING[1]   |             | structure                                                                   |
| dplx     | BITSTRING[2]   |             | duplex mode                                                                 |
| config   | BITSTRING[1]   |             | configuration                                                               |
| nirr     | BITSTRING[1]   |             | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |             | establishment                                                               |
| extb5    | BITSTRING[1]   |             | extension bit                                                               |
| accid    | BITSTRING[2]   |             | access identify                                                             |
| ra       | BITSTRING[2]   |             | rate adaption                                                               |
| sacp     | BITSTRING[3]   |             | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |             | extension bit                                                               |
| l1id     | BITSTRING[2]   |             | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |             | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |             | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |             | extension bit                                                               |
| nsb      | BITSTRING[1]   |             | number of stop bits                                                         |
| nb       | BITSTRING[1]   |             | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |             | number of data bits                                                         |
| ur       | BITSTRING[4]   |             | user rate                                                                   |
| extb6b   | BITSTRING[1]   |             | extension bit                                                               |
| ir       | BITSTRING[2]   |             | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |             | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |             | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |             | parity information                                                          |
| extb6c   | BITSTRING[1]   |             | extension bit                                                               |
| ce       | BITSTRING[2]   |             | connection element                                                          |
| modemt   | BITSTRING[5]   |             | modem type                                                                  |
| extb7    | BITSTRING[1]   |             | extension bit                                                               |
| l2id     | BITSTRING[2]   |             | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |             | user information L2 protocol                                                |
| omitted? |                |             | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |

|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B           |                                                                                    |
| hlci     | BITSTRING[7]       |                | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

## B.7.2.5.16 PAD Access 1200/75 bit/s

Table 162: Parameter TSPX\_SetupBS43\_1

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplxm    | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| tm       | BITSTRING[1]       |             | transfer mode                                                                      |
| itc      | BITSTRING[3]       |             | information transfer capability                                                    |
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplx     | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 163: Parameter TSPX\_BS43more

| Name          | Type    | Value | Comments |
|---------------|---------|-------|----------|
| TSPX_BS43more | BOOLEAN |       |          |

Table 164: Parameter TSPX\_SetupBS43\_2

| Field    | Type           | Value       | Comments                                                                    |
|----------|----------------|-------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B     |                                                                             |
| pd       | BITSTRING[4]   | '0011'B     |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B |                                                                             |
| omitted? |                |             | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101____'B |                                                                             |
| omitted? |                |             | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |
| extb4    | BITSTRING[1]   |             | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B        | spare bit                                                                   |
| strc     | BITSTRING[1]   |             | structure                                                                   |
| dplx     | BITSTRING[2]   |             | duplex mode                                                                 |
| config   | BITSTRING[1]   |             | configuration                                                               |
| nirr     | BITSTRING[1]   |             | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |             | establishment                                                               |
| extb5    | BITSTRING[1]   |             | extension bit                                                               |
| accid    | BITSTRING[2]   |             | access identify                                                             |
| ra       | BITSTRING[2]   |             | rate adaption                                                               |
| sacp     | BITSTRING[3]   |             | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |             | extension bit                                                               |
| l1id     | BITSTRING[2]   |             | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |             | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |             | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |             | extension bit                                                               |
| nsb      | BITSTRING[1]   |             | number of stop bits                                                         |
| nb       | BITSTRING[1]   |             | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |             | number of data bits                                                         |
| ur       | BITSTRING[4]   |             | user rate                                                                   |
| extb6b   | BITSTRING[1]   |             | extension bit                                                               |
| ir       | BITSTRING[2]   |             | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |             | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |             | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |             | parity information                                                          |
| extb6c   | BITSTRING[1]   |             | extension bit                                                               |
| ce       | BITSTRING[2]   |             | connection element                                                          |
| modemt   | BITSTRING[5]   |             | modem type                                                                  |
| extb7    | BITSTRING[1]   |             | extension bit                                                               |
| l2id     | BITSTRING[2]   |             | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |             | user information L2 protocol                                                |
| omitted? |                |             | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |



|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B           |                                                                                    |
| hlci     | BITSTRING[7]       |                | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 165: Parameter TSPX\_SetupBS43\_3

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplxm    | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplxm    | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B        |                                                                                    |
| hlci     | BITSTRING[7]       |             | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

## B.7.2.5.17 PAD Access 2400 bit/s

Table 166: Parameter TSPX\_SetupBS44\_1

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcricri  | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplxm    | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |

|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| tm       | BITSTRING[1]       |                | transfer mode                                                                      |
| itc      | BITSTRING[3]       |                | information transfer capability                                                    |
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplxm    | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmpp     | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 167: Parameter TSPX\_BS44more

| Name          | Type    | Value | Comments |
|---------------|---------|-------|----------|
| TSPX_BS44more | BOOLEAN |       |          |



Table 168: Parameter TSPX\_SetupBS44\_2

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplxm    | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplx     | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B        |                                                                                    |
| hlci     | BITSTRING[7]       |             | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 169: Parameter TSPX\_SetupBS44\_3

| Field    | Type           | Value       | Comments                                                                    |
|----------|----------------|-------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B     |                                                                             |
| pd       | BITSTRING[4]   | '0011'B     |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B |                                                                             |
| omitted? |                |             | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101____'B |                                                                             |
| omitted? |                |             | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |
| extb4    | BITSTRING[1]   |             | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B        | spare bit                                                                   |
| strc     | BITSTRING[1]   |             | structure                                                                   |
| dplx     | BITSTRING[2]   |             | duplex mode                                                                 |
| config   | BITSTRING[1]   |             | configuration                                                               |
| nirr     | BITSTRING[1]   |             | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |             | establishment                                                               |
| extb5    | BITSTRING[1]   |             | extension bit                                                               |
| accid    | BITSTRING[2]   |             | access identify                                                             |
| ra       | BITSTRING[2]   |             | rate adaption                                                               |
| sacp     | BITSTRING[3]   |             | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |             | extension bit                                                               |
| l1id     | BITSTRING[2]   |             | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |             | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |             | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |             | extension bit                                                               |
| nsb      | BITSTRING[1]   |             | number of stop bits                                                         |
| nb       | BITSTRING[1]   |             | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |             | number of data bits                                                         |
| ur       | BITSTRING[4]   |             | user rate                                                                   |
| extb6b   | BITSTRING[1]   |             | extension bit                                                               |
| ir       | BITSTRING[2]   |             | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |             | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |             | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |             | parity information                                                          |
| extb6c   | BITSTRING[1]   |             | extension bit                                                               |
| ce       | BITSTRING[2]   |             | connection element                                                          |
| modemt   | BITSTRING[5]   |             | modem type                                                                  |
| extb7    | BITSTRING[1]   |             | extension bit                                                               |
| l2id     | BITSTRING[2]   |             | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |             | user information L2 protocol                                                |
| omitted? |                |             | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |

|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B           |                                                                                    |
| hlci     | BITSTRING[7]       |                | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

## B.7.2.5.18 PAD Access 4800 bit/s

Table 170: Parameter TSPX\_SetupBS45\_1

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplx     | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| tm       | BITSTRING[1]       |             | transfer mode                                                                      |
| itc      | BITSTRING[3]       |             | information transfer capability                                                    |
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplx     | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |



|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 171: Parameter TSPX\_BS45more

| Name          | Type    | Value | Comments |
|---------------|---------|-------|----------|
| TSPX_BS45more | BOOLEAN |       |          |

Table 172: Parameter TSPX\_SetupBS45\_2

| Field    | Type           | Value       | Comments                                                                    |
|----------|----------------|-------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B     |                                                                             |
| pd       | BITSTRING[4]   | '0011'B     |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B |                                                                             |
| omitted? |                |             | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcrl     | BITSTRING[8]   | '1101____'B |                                                                             |
| omitted? |                |             | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |
| extb4    | BITSTRING[1]   |             | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B        | spare bit                                                                   |
| strc     | BITSTRING[1]   |             | structure                                                                   |
| dplx     | BITSTRING[2]   |             | duplex mode                                                                 |
| config   | BITSTRING[1]   |             | configuration                                                               |
| nirr     | BITSTRING[1]   |             | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |             | establishment                                                               |
| extb5    | BITSTRING[1]   |             | extension bit                                                               |
| accid    | BITSTRING[2]   |             | access identify                                                             |
| ra       | BITSTRING[2]   |             | rate adaption                                                               |
| sacp     | BITSTRING[3]   |             | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |             | extension bit                                                               |
| l1id     | BITSTRING[2]   |             | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |             | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |             | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |             | extension bit                                                               |
| nsb      | BITSTRING[1]   |             | number of stop bits                                                         |
| nb       | BITSTRING[1]   |             | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |             | number of data bits                                                         |
| ur       | BITSTRING[4]   |             | user rate                                                                   |
| extb6b   | BITSTRING[1]   |             | extension bit                                                               |
| ir       | BITSTRING[2]   |             | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |             | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |             | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |             | parity information                                                          |
| extb6c   | BITSTRING[1]   |             | extension bit                                                               |
| ce       | BITSTRING[2]   |             | connection element                                                          |
| modemt   | BITSTRING[5]   |             | modem type                                                                  |
| extb7    | BITSTRING[1]   |             | extension bit                                                               |
| l2id     | BITSTRING[2]   |             | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |             | user information L2 protocol                                                |
| omitted? |                |             | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |

|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B           |                                                                                    |
| hlci     | BITSTRING[7]       |                | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 173: Parameter TSPX\_SetupBS45\_3

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplx     | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplx     | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B        |                                                                                    |
| hlci     | BITSTRING[7]       |             | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

## B.7.2.5.19 PAD Access 9600 bit/s

Table 174: Parameter TSPX\_SetupBS46\_1

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcricri  | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplx     | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |



|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| tm       | BITSTRING[1]       |             | transfer mode                                                                      |
| itc      | BITSTRING[3]       |             | information transfer capability                                                    |
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplx     | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 175: Parameter TSPX\_BS46more

| Name          | Type    | Value | Comments |
|---------------|---------|-------|----------|
| TSPX_BS46more | BOOLEAN |       |          |

Table 176: Parameter TSPX\_SetupBS46\_2

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplx     | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplx     | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B        |                                                                                    |
| hlci     | BITSTRING[7]       |             | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 177: Parameter TSPX\_SetupBS46\_3

| Field    | Type           | Value       | Comments                                                                    |
|----------|----------------|-------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B     |                                                                             |
| pd       | BITSTRING[4]   | '0011'B     |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B |                                                                             |
| omitted? |                |             | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcrl     | BITSTRING[8]   | '1101____'B |                                                                             |
| omitted? |                |             | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |
| extb4    | BITSTRING[1]   |             | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B        | spare bit                                                                   |
| strc     | BITSTRING[1]   |             | structure                                                                   |
| dplx     | BITSTRING[2]   |             | duplex mode                                                                 |
| config   | BITSTRING[1]   |             | configuration                                                               |
| nirr     | BITSTRING[1]   |             | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |             | establishment                                                               |
| extb5    | BITSTRING[1]   |             | extension bit                                                               |
| accid    | BITSTRING[2]   |             | access identify                                                             |
| ra       | BITSTRING[2]   |             | rate adaption                                                               |
| sacp     | BITSTRING[3]   |             | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |             | extension bit                                                               |
| l1id     | BITSTRING[2]   |             | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |             | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |             | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |             | extension bit                                                               |
| nsb      | BITSTRING[1]   |             | number of stop bits                                                         |
| nb       | BITSTRING[1]   |             | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |             | number of data bits                                                         |
| ur       | BITSTRING[4]   |             | user rate                                                                   |
| extb6b   | BITSTRING[1]   |             | extension bit                                                               |
| ir       | BITSTRING[2]   |             | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |             | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |             | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |             | parity information                                                          |
| extb6c   | BITSTRING[1]   |             | extension bit                                                               |
| ce       | BITSTRING[2]   |             | connection element                                                          |
| modemt   | BITSTRING[5]   |             | modem type                                                                  |
| extb7    | BITSTRING[1]   |             | extension bit                                                               |
| l2id     | BITSTRING[2]   |             | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |             | user information L2 protocol                                                |
| omitted? |                |             | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |

|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B           |                                                                                    |
| hlci     | BITSTRING[7]       |                | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |



## B.7.2.5.20 Packet Access 2400 bit/s

Table 178: Parameter TSPX\_SetupBS51\_1

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplx     | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| tm       | BITSTRING[1]       |             | transfer mode                                                                      |
| itc      | BITSTRING[3]       |             | information transfer capability                                                    |
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplxm    | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 179: Parameter TSPX\_BS51more

| Name          | Type    | Value | Comments |
|---------------|---------|-------|----------|
| TSPX_BS51more | BOOLEAN |       |          |

Table 180: Parameter TSPX\_SetupBS51\_2

| Field    | Type           | Value       | Comments                                                                    |
|----------|----------------|-------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B     |                                                                             |
| pd       | BITSTRING[4]   | '0011'B     |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B |                                                                             |
| omitted? |                |             | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101____'B |                                                                             |
| omitted? |                |             | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |
| extb4    | BITSTRING[1]   |             | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B        | spare bit                                                                   |
| strc     | BITSTRING[1]   |             | structure                                                                   |
| dplxm    | BITSTRING[2]   |             | duplex mode                                                                 |
| config   | BITSTRING[1]   |             | configuration                                                               |
| nirr     | BITSTRING[1]   |             | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |             | establishment                                                               |
| extb5    | BITSTRING[1]   |             | extension bit                                                               |
| accid    | BITSTRING[2]   |             | access identify                                                             |
| ra       | BITSTRING[2]   |             | rate adaption                                                               |
| sacp     | BITSTRING[3]   |             | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |             | extension bit                                                               |
| l1id     | BITSTRING[2]   |             | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |             | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |             | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |             | extension bit                                                               |
| nsb      | BITSTRING[1]   |             | number of stop bits                                                         |
| nb       | BITSTRING[1]   |             | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |             | number of data bits                                                         |
| ur       | BITSTRING[4]   |             | user rate                                                                   |
| extb6b   | BITSTRING[1]   |             | extension bit                                                               |
| ir       | BITSTRING[2]   |             | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |             | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |             | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |             | parity information                                                          |
| extb6c   | BITSTRING[1]   |             | extension bit                                                               |
| ce       | BITSTRING[2]   |             | connection element                                                          |
| modemt   | BITSTRING[5]   |             | modem type                                                                  |
| extb7    | BITSTRING[1]   |             | extension bit                                                               |
| l2id     | BITSTRING[2]   |             | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |             | user information L2 protocol                                                |
| omitted? |                |             | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |

|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B           |                                                                                    |
| hlci     | BITSTRING[7]       |                | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 181: Parameter TSPX\_SetupBS51\_3

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplxm    | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplx     | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B        |                                                                                    |
| hlci     | BITSTRING[7]       |             | high layer characteristic identification                                           |



|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

## B.7.2.5.21 Packet Access 4800 bit/s

Table 182: Parameter TSPX\_SetupBS52\_1

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcricri  | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplxm    | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| tm       | BITSTRING[1]       |             | transfer mode                                                                      |
| itc      | BITSTRING[3]       |             | information transfer capability                                                    |
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplxm    | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 183: Parameter TSPX\_BS52more

| Name          | Type    | Value | Comments |
|---------------|---------|-------|----------|
| TSPX_BS52more | BOOLEAN |       |          |

Table 184: Parameter TSPX\_SetupBS52\_2

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplxm    | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplx     | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B        |                                                                                    |
| hlci     | BITSTRING[7]       |             | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 185: Parameter TSPX\_SetupBS52\_3

| Field    | Type           | Value       | Comments                                                                    |
|----------|----------------|-------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B     |                                                                             |
| pd       | BITSTRING[4]   | '0011'B     |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B |                                                                             |
| omitted? |                |             | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101____'B |                                                                             |
| omitted? |                |             | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |
| extb4    | BITSTRING[1]   |             | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B        | spare bit                                                                   |
| strc     | BITSTRING[1]   |             | structure                                                                   |
| dplxm    | BITSTRING[2]   |             | duplex mode                                                                 |
| config   | BITSTRING[1]   |             | configuration                                                               |
| nirr     | BITSTRING[1]   |             | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |             | establishment                                                               |
| extb5    | BITSTRING[1]   |             | extension bit                                                               |
| accid    | BITSTRING[2]   |             | access identify                                                             |
| ra       | BITSTRING[2]   |             | rate adaption                                                               |
| sacp     | BITSTRING[3]   |             | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |             | extension bit                                                               |
| l1id     | BITSTRING[2]   |             | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |             | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |             | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |             | extension bit                                                               |
| nsb      | BITSTRING[1]   |             | number of stop bits                                                         |
| nb       | BITSTRING[1]   |             | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |             | number of data bits                                                         |
| ur       | BITSTRING[4]   |             | user rate                                                                   |
| extb6b   | BITSTRING[1]   |             | extension bit                                                               |
| ir       | BITSTRING[2]   |             | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |             | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |             | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |             | parity information                                                          |
| extb6c   | BITSTRING[1]   |             | extension bit                                                               |
| ce       | BITSTRING[2]   |             | connection element                                                          |
| modemt   | BITSTRING[5]   |             | modem type                                                                  |
| extb7    | BITSTRING[1]   |             | extension bit                                                               |
| l2id     | BITSTRING[2]   |             | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |             | user information L2 protocol                                                |
| omitted? |                |             | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |



|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B           |                                                                                    |
| hlci     | BITSTRING[7]       |                | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

## B.7.2.5.22 Packet Access 9600 bit/s

Table 186: Parameter TSPX\_SetupBS53\_1

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplx     | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |

|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| tm       | BITSTRING[1]       |                | transfer mode                                                                      |
| itc      | BITSTRING[3]       |                | information transfer capability                                                    |
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplxm    | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 187: Parameter TSPX\_BS53more

| Name          | Type    | Value | Comments |
|---------------|---------|-------|----------|
| TSPX_BS53more | BOOLEAN |       |          |

Table 188: Parameter TSPX\_SetupBS53\_2

| Field    | Type           | Value       | Comments                                                                    |
|----------|----------------|-------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B     |                                                                             |
| pd       | BITSTRING[4]   | '0011'B     |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B |                                                                             |
| omitted? |                |             | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcrl     | BITSTRING[8]   | '1101____'B |                                                                             |
| omitted? |                |             | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |
| extb4    | BITSTRING[1]   |             | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B        | spare bit                                                                   |
| strc     | BITSTRING[1]   |             | structure                                                                   |
| dplx     | BITSTRING[2]   |             | duplex mode                                                                 |
| config   | BITSTRING[1]   |             | configuration                                                               |
| nirr     | BITSTRING[1]   |             | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |             | establishment                                                               |
| extb5    | BITSTRING[1]   |             | extension bit                                                               |
| accid    | BITSTRING[2]   |             | access identify                                                             |
| ra       | BITSTRING[2]   |             | rate adaption                                                               |
| sacp     | BITSTRING[3]   |             | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |             | extension bit                                                               |
| l1id     | BITSTRING[2]   |             | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |             | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |             | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |             | extension bit                                                               |
| nsb      | BITSTRING[1]   |             | number of stop bits                                                         |
| nb       | BITSTRING[1]   |             | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |             | number of data bits                                                         |
| ur       | BITSTRING[4]   |             | user rate                                                                   |
| extb6b   | BITSTRING[1]   |             | extension bit                                                               |
| ir       | BITSTRING[2]   |             | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |             | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |             | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |             | parity information                                                          |
| extb6c   | BITSTRING[1]   |             | extension bit                                                               |
| ce       | BITSTRING[2]   |             | connection element                                                          |
| modemt   | BITSTRING[5]   |             | modem type                                                                  |
| extb7    | BITSTRING[1]   |             | extension bit                                                               |
| l2id     | BITSTRING[2]   |             | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |             | user information L2 protocol                                                |
| omitted? |                |             | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |

|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B           |                                                                                    |
| hlci     | BITSTRING[7]       |                | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |



Table 189: Parameter TSPX\_SetupBS53\_3

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplxm    | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplx     | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmpp     | BITSTRING[2]       |             | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B        |                                                                                    |
| hlci     | BITSTRING[7]       |             | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

## B.7.2.5.23 Alternate Speech/Data

Table 190: Parameter TSPX\_SetupBS61\_1

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcrl     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplx     | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |

|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| tm       | BITSTRING[1]       |                | transfer mode                                                                      |
| itc      | BITSTRING[3]       |                | information transfer capability                                                    |
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 191: Parameter TSPX\_BS61more

| Name          | Type    | Value | Comments |
|---------------|---------|-------|----------|
| TSPX_BS61more | BOOLEAN |       |          |

Table 192: Parameter TSPX\_SetupBS61\_2

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplx     | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplxm    | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B        |                                                                                    |
| hlci     | BITSTRING[7]       |             | high layer characteristic identification                                           |



|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 193: Parameter TSPX\_SetupBS61\_3

| Field    | Type           | Value       | Comments                                                                    |
|----------|----------------|-------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B     |                                                                             |
| pd       | BITSTRING[4]   | '0011'B     |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B |                                                                             |
| omitted? |                |             | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcrl     | BITSTRING[8]   | '1101____'B |                                                                             |
| omitted? |                |             | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |
| extb4    | BITSTRING[1]   |             | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B        | spare bit                                                                   |
| strc     | BITSTRING[1]   |             | structure                                                                   |
| dplxm    | BITSTRING[2]   |             | duplex mode                                                                 |
| config   | BITSTRING[1]   |             | configuration                                                               |
| nirr     | BITSTRING[1]   |             | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |             | establishment                                                               |
| extb5    | BITSTRING[1]   |             | extension bit                                                               |
| accid    | BITSTRING[2]   |             | access identify                                                             |
| ra       | BITSTRING[2]   |             | rate adaption                                                               |
| sacp     | BITSTRING[3]   |             | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |             | extension bit                                                               |
| l1id     | BITSTRING[2]   |             | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |             | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |             | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |             | extension bit                                                               |
| nsb      | BITSTRING[1]   |             | number of stop bits                                                         |
| nb       | BITSTRING[1]   |             | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |             | number of data bits                                                         |
| ur       | BITSTRING[4]   |             | user rate                                                                   |
| extb6b   | BITSTRING[1]   |             | extension bit                                                               |
| ir       | BITSTRING[2]   |             | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |             | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |             | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |             | parity information                                                          |
| extb6c   | BITSTRING[1]   |             | extension bit                                                               |
| ce       | BITSTRING[2]   |             | connection element                                                          |
| modemt   | BITSTRING[5]   |             | modem type                                                                  |
| extb7    | BITSTRING[1]   |             | extension bit                                                               |
| l2id     | BITSTRING[2]   |             | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |             | user information L2 protocol                                                |
| omitted? |                |             | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |

|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B           |                                                                                    |
| hlci     | BITSTRING[7]       |                | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

## B.7.2.5.24 Speech Followed by Data

Table 194: Parameter TSPX\_SetupBS81\_1

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplxm    | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| tm       | BITSTRING[1]       |             | transfer mode                                                                      |
| itc      | BITSTRING[3]       |             | information transfer capability                                                    |
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplxm    | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmp      | BITSTRING[2]       |             | presentation method of protocol                                                    |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 195: Parameter TSPX\_BS81more

| Name          | Type    | Value | Comments |
|---------------|---------|-------|----------|
| TSPX_BS81more | BOOLEAN |       |          |

Table 196: Parameter TSPX\_SetupBS81\_2

| Field    | Type           | Value       | Comments                                                                    |
|----------|----------------|-------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B     |                                                                             |
| pd       | BITSTRING[4]   | '0011'B     |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B |                                                                             |
| omitted? |                |             | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101____'B |                                                                             |
| omitted? |                |             | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |
| extb4    | BITSTRING[1]   |             | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B        | spare bit                                                                   |
| strc     | BITSTRING[1]   |             | structure                                                                   |
| dplxm    | BITSTRING[2]   |             | duplex mode                                                                 |
| config   | BITSTRING[1]   |             | configuration                                                               |
| nirr     | BITSTRING[1]   |             | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |             | establishment                                                               |
| extb5    | BITSTRING[1]   |             | extension bit                                                               |
| accid    | BITSTRING[2]   |             | access identify                                                             |
| ra       | BITSTRING[2]   |             | rate adaption                                                               |
| sacp     | BITSTRING[3]   |             | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |             | extension bit                                                               |
| l1id     | BITSTRING[2]   |             | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |             | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |             | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |             | extension bit                                                               |
| nsb      | BITSTRING[1]   |             | number of stop bits                                                         |
| nb       | BITSTRING[1]   |             | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |             | number of data bits                                                         |
| ur       | BITSTRING[4]   |             | user rate                                                                   |
| extb6b   | BITSTRING[1]   |             | extension bit                                                               |
| ir       | BITSTRING[2]   |             | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |             | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |             | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |             | parity information                                                          |
| extb6c   | BITSTRING[1]   |             | extension bit                                                               |
| ce       | BITSTRING[2]   |             | connection element                                                          |
| modemt   | BITSTRING[5]   |             | modem type                                                                  |
| extb7    | BITSTRING[1]   |             | extension bit                                                               |
| l2id     | BITSTRING[2]   |             | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |             | user information L2 protocol                                                |
| omitted? |                |             | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B |                                                                             |
| iel      | OCTETSTRING[1] |             | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |             | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B       | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |             | coding standard                                                             |
| tm       | BITSTRING[1]   |             | transfer mode                                                               |
| itc      | BITSTRING[3]   |             | information transfer capability                                             |



|          |                    |                |                                                                                    |
|----------|--------------------|----------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |                | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B           | spare bit                                                                          |
| strc     | BITSTRING[1]       |                | structure                                                                          |
| dplx     | BITSTRING[2]       |                | duplex mode                                                                        |
| config   | BITSTRING[1]       |                | configuration                                                                      |
| nirr     | BITSTRING[1]       |                | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |                | establishment                                                                      |
| extb5    | BITSTRING[1]       |                | extension bit                                                                      |
| accid    | BITSTRING[2]       |                | access identify                                                                    |
| ra       | BITSTRING[2]       |                | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |                | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |                | extension bit                                                                      |
| l1id     | BITSTRING[2]       |                | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |                | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |                | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |                | extension bit                                                                      |
| nsb      | BITSTRING[1]       |                | number of stop bits                                                                |
| nb       | BITSTRING[1]       |                | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |                | number of data bits                                                                |
| ur       | BITSTRING[4]       |                | user rate                                                                          |
| extb6b   | BITSTRING[1]       |                | extension bit                                                                      |
| ir       | BITSTRING[2]       |                | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |                | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |                | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |                | parity information                                                                 |
| extb6c   | BITSTRING[1]       |                | extension bit                                                                      |
| ce       | BITSTRING[2]       |                | connection element                                                                 |
| modemt   | BITSTRING[5]       |                | modem type                                                                         |
| extb7    | BITSTRING[1]       |                | extension bit                                                                      |
| l2id     | BITSTRING[2]       |                | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |                | user information L2 protocol                                                       |
| omitted? |                    |                | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                |                                                                                    |
| contents | OCTETSTRING[1..13] |                |                                                                                    |
| omitted? |                    |                | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101_ _ _ _'B |                                                                                    |
| omitted? |                    |                | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B    |                                                                                    |
| iel      | OCTETSTRING[1]     |                | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B           |                                                                                    |
| cs       | BITSTRING[2]       |                | coding standard                                                                    |
| in       | BITSTRING[3]       |                | interpretation                                                                     |
| pmp      | BITSTRING[2]       |                | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B           |                                                                                    |
| hlci     | BITSTRING[7]       |                | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

Table 197: Parameter TSPX\_SetupBS81\_3

| Field    | Type           | Value          | Comments                                                                    |
|----------|----------------|----------------|-----------------------------------------------------------------------------|
| ti       | BITSTRING[4]   | '0000'B        |                                                                             |
| pd       | BITSTRING[4]   | '0011'B        |                                                                             |
| mt       | BITSTRING[8]   | '00000101'B    |                                                                             |
| omitted? |                |                | BC repeat indicator. If the answer is OMIT the IE is omitted in the message |
| bcri     | BITSTRING[8]   | '1101_ _ _ _'B |                                                                             |
| omitted? |                |                | Bearer capability 1. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |
| extb4    | BITSTRING[1]   |                | extension bit                                                               |
| spb      | BITSTRING[1]   | '0'B           | spare bit                                                                   |
| strc     | BITSTRING[1]   |                | structure                                                                   |
| dplx     | BITSTRING[2]   |                | duplex mode                                                                 |
| config   | BITSTRING[1]   |                | configuration                                                               |
| nirr     | BITSTRING[1]   |                | negotiation of intermediate rate requested                                  |
| est      | BITSTRING[1]   |                | establishment                                                               |
| extb5    | BITSTRING[1]   |                | extension bit                                                               |
| accid    | BITSTRING[2]   |                | access identify                                                             |
| ra       | BITSTRING[2]   |                | rate adaption                                                               |
| sacp     | BITSTRING[3]   |                | signalling access protocol                                                  |
| extb6    | BITSTRING[1]   |                | extension bit                                                               |
| l1id     | BITSTRING[2]   |                | L1 identity                                                                 |
| uil1     | BITSTRING[4]   |                | user information L 1 protocol                                               |
| sb       | BITSTRING[1]   |                | synchronous bit                                                             |
| extb6a   | BITSTRING[1]   |                | extension bit                                                               |
| nsb      | BITSTRING[1]   |                | number of stop bits                                                         |
| nb       | BITSTRING[1]   |                | negotiation bit                                                             |
| ndb      | BITSTRING[1]   |                | number of data bits                                                         |
| ur       | BITSTRING[4]   |                | user rate                                                                   |
| extb6b   | BITSTRING[1]   |                | extension bit                                                               |
| ir       | BITSTRING[2]   |                | intermediate rate                                                           |
| nictx    | BITSTRING[1]   |                | network independent clock on transmission                                   |
| nicrx    | BITSTRING[1]   |                | network independent clock on reception                                      |
| pi       | BITSTRING[3]   |                | parity information                                                          |
| extb6c   | BITSTRING[1]   |                | extension bit                                                               |
| ce       | BITSTRING[2]   |                | connection element                                                          |
| modemt   | BITSTRING[5]   |                | modem type                                                                  |
| extb7    | BITSTRING[1]   |                | extension bit                                                               |
| l2id     | BITSTRING[2]   |                | L2 identity                                                                 |
| uil2     | BITSTRING[5]   |                | user information L2 protocol                                                |
| omitted? |                |                | Bearer capability 2. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '00000100'B    |                                                                             |
| iel      | OCTETSTRING[1] |                | length of the IE in unit of OCTET                                           |
| extb3    | BITSTRING[1]   |                | extension bit                                                               |
| rchr     | BITSTRING[2]   | '00'B          | spare bit in the direction n -> ms                                          |
| cs       | BITSTRING[1]   |                | coding standard                                                             |
| tm       | BITSTRING[1]   |                | transfer mode                                                               |
| itc      | BITSTRING[3]   |                | information transfer capability                                             |

|          |                    |             |                                                                                    |
|----------|--------------------|-------------|------------------------------------------------------------------------------------|
| extb4    | BITSTRING[1]       |             | extension bit                                                                      |
| spb      | BITSTRING[1]       | '0'B        | spare bit                                                                          |
| strc     | BITSTRING[1]       |             | structure                                                                          |
| dplx     | BITSTRING[2]       |             | duplex mode                                                                        |
| config   | BITSTRING[1]       |             | configuration                                                                      |
| nirr     | BITSTRING[1]       |             | negotiation of intermediate rate requested                                         |
| est      | BITSTRING[1]       |             | establishment                                                                      |
| extb5    | BITSTRING[1]       |             | extension bit                                                                      |
| accid    | BITSTRING[2]       |             | access identify                                                                    |
| ra       | BITSTRING[2]       |             | rate adaption                                                                      |
| sacp     | BITSTRING[3]       |             | signalling access protocol                                                         |
| extb6    | BITSTRING[1]       |             | extension bit                                                                      |
| l1id     | BITSTRING[2]       |             | L1 identity                                                                        |
| uil1     | BITSTRING[4]       |             | user information L 1 protocol                                                      |
| sb       | BITSTRING[1]       |             | synchronous bit                                                                    |
| extb6a   | BITSTRING[1]       |             | extension bit                                                                      |
| nsb      | BITSTRING[1]       |             | number of stop bits                                                                |
| nb       | BITSTRING[1]       |             | negotiation bit                                                                    |
| ndb      | BITSTRING[1]       |             | number of data bits                                                                |
| ur       | BITSTRING[4]       |             | user rate                                                                          |
| extb6b   | BITSTRING[1]       |             | extension bit                                                                      |
| ir       | BITSTRING[2]       |             | intermediate rate                                                                  |
| nictx    | BITSTRING[1]       |             | network independent clock on transmission                                          |
| nicrx    | BITSTRING[1]       |             | network independent clock on reception                                             |
| pi       | BITSTRING[3]       |             | parity information                                                                 |
| extb6c   | BITSTRING[1]       |             | extension bit                                                                      |
| ce       | BITSTRING[2]       |             | connection element                                                                 |
| modemt   | BITSTRING[5]       |             | modem type                                                                         |
| extb7    | BITSTRING[1]       |             | extension bit                                                                      |
| l2id     | BITSTRING[2]       |             | L2 identity                                                                        |
| uil2     | BITSTRING[5]       |             | user information L2 protocol                                                       |
| omitted? |                    |             | LLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| llcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | low layer compatibility I. If the answer is OMIT the IE is omitted in the message  |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | low layer compatibility II. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111100'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             |                                                                                    |
| contents | OCTETSTRING[1..13] |             |                                                                                    |
| omitted? |                    |             | HLC repeat indicator. If the answer is OMIT the IE is omitted in the message       |
| hlcri    | BITSTRING[8]       | '1101___'B  |                                                                                    |
| omitted? |                    |             | high layer compatibility i. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]       | '01111101'B |                                                                                    |
| iel      | OCTETSTRING[1]     |             | length of the element                                                              |
| extb3    | BITSTRING[1]       | '1'B        |                                                                                    |
| cs       | BITSTRING[2]       |             | coding standard                                                                    |
| in       | BITSTRING[3]       |             | interpretation                                                                     |
| pmpp     | BITSTRING[2]       |             | presentation method of protocol                                                    |
| extb4    | BITSTRING[1]       | '1'B        |                                                                                    |
| hlci     | BITSTRING[7]       |             | high layer characteristic identification                                           |

|          |                |             |                                                                                     |
|----------|----------------|-------------|-------------------------------------------------------------------------------------|
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |
| omitted? |                |             | high layer compatibility ii. If the answer is OMIT the IE is omitted in the message |
| iei      | BITSTRING[8]   | '01111101'B |                                                                                     |
| iel      | OCTETSTRING[1] |             | length of the element                                                               |
| extb3    | BITSTRING[1]   | '1'B        |                                                                                     |
| cs       | BITSTRING[2]   |             | coding standard                                                                     |
| in       | BITSTRING[3]   |             | interpretation                                                                      |
| pmp      | BITSTRING[2]   |             | presentation method of protocol                                                     |
| extb4    | BITSTRING[1]   | '1'B        |                                                                                     |
| hlci     | BITSTRING[7]   |             | high layer characteristic identification                                            |
| extb4a   | BITSTRING[1]   |             |                                                                                     |
| ehlci    | BITSTRING[7]   |             | extended high layer characteristic identification                                   |

### B.7.2.6 Other Parameters

#### B.7.2.6.1 Parameter TSPX\_MAIO

This parameter is used in handover test cases of RR test group.

**Table 198: Parameter TSPX\_MAIO**

| Parameter Name: TSPX_MAIO                                                                                                                                                                                                                                                                                                          |                |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------|
| Type                                                                                                                                                                                                                                                                                                                               | Value          | Comments |
| BITSTRING[6]                                                                                                                                                                                                                                                                                                                       | '_ _ _ _ _ _'B |          |
| References:                                                                                                                                                                                                                                                                                                                        |                |          |
| TSPX_MAIO is used in: TC_26_6_5_1_2, TC_26_6_5_1_3, TC_26_6_5_1_4, TC_26_6_5_1_5, TC_26_6_5_1_6, TC_26_6_5_1_7, TC_26_6_5_1_8, TC_26_6_5_2_1, TC_26_6_5_2_2, TC_26_6_5_2_3, TC_26_6_5_2_4, TC_26_6_5_2_6, TC_26_6_5_2_7, TC_26_6_5_2_8, TC_26_6_5_2_9, TC_26_6_5_2_10, TC_26_6_5_3_1, TC_26_6_5_4_1, TC_26_6_5_4_2, TC_26_6_5_4_3. |                |          |

#### B.7.2.6.2 Parameter TSPX\_Cause

In TC\_26\_8\_1\_3\_4\_8, it is required to check the MS behaviour of receiving a RELEASE COMPLETE message containing a valid cause value selected arbitrarily but controllable. The parameter TSPX\_Cause specifies such cause IE.

Table 199: Parameter TSPX\_Cause

| Parameter Name: TSPX_Cause                             |                    |             |                                   |
|--------------------------------------------------------|--------------------|-------------|-----------------------------------|
| Field                                                  | Type               | Value       | Comments                          |
| iei                                                    | BITSTRING[8]       | '00001000'B |                                   |
| iel                                                    | OCTETSTRING[1]     | '02'O       | length of the IE in unit of OCTET |
| extb3                                                  | BITSTRING[1]       | '1'B        | no extension                      |
| cs                                                     | BITSTRING[2]       | '11'B       | standard coding                   |
| spb                                                    | BITSTRING[1]       | '0'B        | spare bit                         |
| location                                               | BITSTRING[4]       |             | location                          |
| extb3a                                                 | BITSTRING[1]       | OMIT        | extension bit                     |
| rec                                                    | BITSTRING[7]       | OMIT        | recommendaation                   |
| extb4                                                  | BITSTRING[1]       | '1'B        | extension bit                     |
| cau_class                                              | BITSTRING[3]       |             | cause class                       |
| cau_va                                                 | BITSTRING[4]       |             | cause value                       |
| cau_di                                                 | OCTETSTRING[1..28] | OMIT        | diagnostic                        |
| References:<br>TSPX_Cause is used in: TC_26_8_1_3_4_8, |                    |             |                                   |

### B.7.2.6.3 Parameters for Ciphering Key Sequence Number

The parameters TSPX\_CKSN's represent the CKSN. The item 1 to item 7 are used in test cases where the CKSN are arbitrarily selected but controllable. The parameters can be any valid values but they shall be different from each other. Item 7 is the default CKSN used in the test cases where the CKSN is not specifically indicated, and used in all CC test cases. The default ciphering key sequence number (TSPX\_CKSNDef) will be stored in the test SIM card together with the corresponding default ciphering key (Kc).

Table 200: Parameters for CKSN

| Item                                                                                                                                                                                                                                                                                                                                                                                     | Name         | Type         | Value |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|-------|
| 1                                                                                                                                                                                                                                                                                                                                                                                        | TSPX_CKSNA   | BITSTRING[3] |       |
| 2                                                                                                                                                                                                                                                                                                                                                                                        | TSPX_CKSNB   | BITSTRING[3] |       |
| 3                                                                                                                                                                                                                                                                                                                                                                                        | TSPX_CKSNC   | BITSTRING[3] |       |
| 4                                                                                                                                                                                                                                                                                                                                                                                        | TSPX_CKSND   | BITSTRING[3] |       |
| 5                                                                                                                                                                                                                                                                                                                                                                                        | TSPX_CKSNE   | BITSTRING[3] |       |
| 6                                                                                                                                                                                                                                                                                                                                                                                        | TSPX_CKSNF   | BITSTRING[3] |       |
| 7                                                                                                                                                                                                                                                                                                                                                                                        | TSPX_CKSNDef | BITSTRING[3] |       |
| References:<br>TSPX_CKSNA is used in: TC_26_7_4_3_3, TC_26_8_2_1.<br>TSPX_CKSNB is used in: TC_26_7_2_1, TC_26_7_2_2, TC_26_8_4.<br>TSPX_CKSNC is used in: TC_26_8_4,<br>TSPX_CKSND is used in: No at this moment.<br>TSPX_CKSNE is used in: No at this moment.<br>TSPX_CKSNF is used in: No at this moment.<br>TSPX_CKSNDef is used in: All other test cases except cases listed above. |              |              |       |

### B.7.2.6.4 Parameter TSPX\_Txint

In test case TC\_26\_2\_1\_2, it is required to use a arbitrarily selected but controllable value for Tx-Integer. The parameters TSPX\_Txint is the value of the Tx-Integer. The value shall be in the set {6, 7, 8, 9, 10, 11, 12, 14, 16, 20, 25, 32, 50}.

**Table 201: Parameter TSPX\_Txint**

|                                                   |            |
|---------------------------------------------------|------------|
| Parameter Name                                    | TSPX_Txint |
| Parameter Type                                    | INTEGER    |
| Parameter Value                                   |            |
| References:<br>TSPX_Txint is used in: TC_26_2_1_2 |            |

**B.7.2.6.5 Parameter TSPX\_MaxRetrans**

In test case TC\_26\_2\_1\_2, it is required to use a arbitrarily selected but controllable value for Max-Retrans. The parameters TSPX\_MaxRetrans is the value of the Max-Retrans. The value shall be in the set {1, 2, 4, 7}.

**Table 202: Parameter TSPX\_MaxRetrans**

|                                                                   |                 |
|-------------------------------------------------------------------|-----------------|
| Parameter Name                                                    | TSPX_MaxRetrans |
| Parameter Type                                                    | INTEGER         |
| Parameter Value                                                   |                 |
| References:<br>TSPX_Txint is used in: TC_26_2_1_2, TC_26_7_4_3_1. |                 |

**B.7.2.6.6 Parameters for Handover reference**

The parameters TSPX\_horf's represent the handover reference. They are used in test cases where the handover references are arbitrarily selected but controllable. The parameters can have any valid values but they shall be different from each other.

Table 203: Parameters for Handover reference

| Item | Name       | Type         | Value |
|------|------------|--------------|-------|
| 1    | TSPX_horfA | BITSTRING[8] |       |
| 2    | TSPX_horfB | BITSTRING[8] |       |
| 8    | TSPX_horfC | BITSTRING[8] |       |
| 4    | TSPX_horfD | BITSTRING[8] |       |
| 5    | TSPX_horfE | BITSTRING[8] |       |
| 6    | TSPX_horfF | BITSTRING[8] |       |
| 7    | TSPX_horfG | BITSTRING[8] |       |
| 8    | TSPX_horfH | BITSTRING[8] |       |
| 9    | TSPX_horfI | BITSTRING[8] |       |
| 10   | TSPX_horfJ | BITSTRING[8] |       |

References:

TSPX\_horfA is used in: TC\_26\_6\_5\_1\_1, TC\_26\_6\_5\_2\_1, TC\_26\_6\_5\_3\_1, TC\_26\_6\_5\_4\_1, TC\_26\_6\_5\_4\_3, TC\_26\_6\_8\_4, TC\_26\_8\_1\_4\_3\_1.

TSPX\_horfB is used in: TC\_26\_6\_5\_1\_2, TC\_26\_6\_5\_2\_2, TC\_26\_6\_5\_3\_2, TC\_26\_6\_5\_4\_2, TC\_26\_6\_5\_7, TC\_26\_8\_1\_4\_3\_2.

TSPX\_horfC is used in: TC\_26\_6\_5\_1\_3, TC\_26\_6\_5\_2\_3, TC\_26\_6\_5\_8, TC\_26\_6\_5\_9.

TSPX\_horfD is used in: TC\_26\_6\_5\_1\_4, TC\_26\_6\_5\_2\_4, TC\_26\_6\_5\_4\_4, TC\_26\_6\_5\_5\_1, TC\_26\_6\_5\_5\_2, TC\_26\_6\_5\_6, TC\_26\_6\_5\_7, TC\_26\_6\_5\_8, TC\_26\_6\_5\_9.

TSPX\_horfE is used in: TC\_26\_6\_5\_1\_5, TC\_26\_6\_5\_2\_5.

TSPX\_horfF is used in: TC\_26\_6\_5\_1\_6, TC\_26\_6\_5\_2\_6, TC\_26\_6\_5\_5\_2.

TSPX\_horfG is used in: TC\_26\_6\_5\_1\_7, TC\_26\_6\_5\_2\_7.

TSPX\_horfH is used in: TC\_26\_6\_5\_1\_8, TC\_26\_6\_5\_2\_8, TC\_26\_6\_5\_6.

TSPX\_horfI is used in: TC\_26\_6\_5\_2\_9.

TSPX\_horfJ is used in: TC\_26\_6\_5\_2\_10.

#### B.7.2.6.7 Parameters for the number of Handover accesses

The parameters TSPX\_hoaccess's represent the number of handover accesses occurred in an asynchronous handover. They are used in test cases where the number of handover accesses are arbitrarily selected but controllable. The parameters can have any values between 5 and 15 but they shall be different from each other.



Table 204: Parameters for Handover access

| Item | Name           | Type    | Value |
|------|----------------|---------|-------|
| 1    | TSPX_hoaccessA | INTEGER |       |
| 2    | TSPX_hoaccessB | INTEGER |       |
| 8    | TSPX_hoaccessC | INTEGER |       |
| 4    | TSPX_hoaccessD | INTEGER |       |
| 5    | TSPX_hoaccessE | INTEGER |       |
| 6    | TSPX_hoaccessF | INTEGER |       |
| 7    | TSPX_hoaccessG | INTEGER |       |
| 8    | TSPX_hoaccessH | INTEGER |       |
| 9    | TSPX_hoaccessI | INTEGER |       |
| 10   | TSPX_hoaccessJ | INTEGER |       |

References:

TSPX\_hoaccessA is used in: TC\_26\_6\_5\_1\_1, TC\_26\_6\_5\_2\_1, TC\_26\_6\_5\_4\_1.  
TSPX\_hoaccessB is used in: TC\_26\_6\_5\_1\_2, TC\_26\_6\_5\_2\_2.  
TSPX\_hoaccessC is used in: TC\_26\_6\_5\_1\_3, TC\_26\_6\_5\_2\_3.  
TSPX\_hoaccessD is used in: TC\_26\_6\_5\_1\_4, TC\_26\_6\_5\_2\_4.  
TSPX\_hoaccessE is used in: TC\_26\_6\_5\_1\_5, TC\_26\_6\_5\_2\_5.  
TSPX\_hoaccessF is used in: TC\_26\_6\_5\_1\_6, TC\_26\_6\_5\_2\_6.  
TSPX\_hoaccessG is used in: TC\_26\_6\_5\_1\_7, TC\_26\_6\_5\_2\_7.  
TSPX\_hoaccessH is used in: TC\_26\_6\_5\_1\_8, TC\_26\_6\_5\_2\_8.  
TSPX\_hoaccessI is used in: TC\_26\_6\_5\_2\_9.  
TSPX\_hoaccessJ is used in: TC\_26\_6\_5\_2\_10.

#### B.7.2.6.8 Parameter TSPX\_HSN

In handover test cases, it is required to use a arbitrarily selected but controllable value for hopping sequence number. The parameters TSPX\_HSN is the value of the hopping sequence number. The value shall be 0 - 63.

Table 205: Parameter TSPX\_HSN

|                 |              |
|-----------------|--------------|
| Parameter Name  | TSPX_HSN     |
| Parameter Type  | BITSTRING[6] |
| Parameter Value | '_____'B     |

References:

TSPX\_HSN is used in: TC\_26\_6\_5\_1\_2, TC\_26\_6\_5\_1\_3, TC\_26\_6\_5\_1\_4, TC\_26\_6\_5\_1\_5, TC\_26\_6\_5\_1\_6, TC\_26\_6\_5\_1\_7, TC\_26\_6\_5\_1\_8, TC\_26\_6\_5\_2\_1, TC\_26\_6\_5\_2\_2, TC\_26\_6\_5\_2\_3, TC\_26\_6\_5\_2\_4, TC\_26\_6\_5\_2\_5, TC\_26\_6\_5\_2\_6, TC\_26\_6\_5\_2\_7, TC\_26\_6\_5\_2\_8, TC\_26\_6\_5\_2\_9, TC\_26\_6\_5\_2\_10, TC\_26\_6\_5\_3\_1, TC\_26\_6\_5\_3\_2, TC\_26\_6\_5\_4\_1, TC\_26\_6\_5\_4\_2, TC\_26\_6\_5\_4\_3, TC\_26\_6\_5\_4\_4.

#### B.7.2.6.9 Parameters for RAND

The parameters TSPX\_RAND's represent the values of the RAND. These parameters can have any valid values but they shall be different from each other. The item 1 to item 4 are used in test cases where the RAND are arbitrarily selected but controllable. Item 5 is the default RAND used in the test cases where the RAND is not specifically indicated, and used in all CC test cases. The default challenge RAND (TSPX\_RANDDef) is used to generate the default ciphering key (Kc) which, together with the default ciphering key sequence number (TSPX\_CKSNDf), shall be stored in the test SIM card.



**Table 208: Parameter TSPX\_y**

|                                                            |         |
|------------------------------------------------------------|---------|
| Parameter Name                                             | TSPX_y  |
| Parameter Type                                             | INTEGER |
| Parameter Value                                            |         |
| References:<br>TSPX_y is used in: test case TC_26_6_5_5_2. |         |

**B.7.2.6.12 Parameter TSPX\_Ki**

Parameter TSPX\_Ki is used as the default authentication key which value will be stored in the test SIM card or the SIM simulator and used by the tester to generate ciphering key Kc. The TSPX\_Ki shall have an non-zero value

**Table 209: Parameter TSPX\_Ki**

|                                                       |                                         |
|-------------------------------------------------------|-----------------------------------------|
| Parameter Name                                        | TSPX_Ki                                 |
| Parameter Type                                        | BITSTRING[128]                          |
| Parameter Value                                       | '<br>-----<br>-----<br>-----<br>-----'B |
| Remarks:<br>this parameter is used in all test cases. |                                         |

**B.7.2.6.13 Parameters for Channel Type (full or half rate) of CC test**

For some CC test, it is required that the selection of full rate or half rate channel is arbitrary but controllable. Parameters TSPX\_ChRate's is for this purpose. The value of TSPX\_ChRate is "F" for full rate channel or "H" for half rate channel.

Table 210: Parameter TSPX\_ChRate's

| Item                                                                                                                                               | Name         | Type      | Value |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|-------|
| 1                                                                                                                                                  | TSPX_ChRateA | IA5String |       |
| 2                                                                                                                                                  | TSPX_ChRateB | IA5String |       |
| 3                                                                                                                                                  | TSPX_ChRateC | IA5String |       |
| 4                                                                                                                                                  | TSPX_ChRateD | IA5String |       |
| 5                                                                                                                                                  | TSPX_ChRateE | IA5String |       |
| 6                                                                                                                                                  | TSPX_ChRateF | IA5String |       |
| 7                                                                                                                                                  | TSPX_ChRateG | IA5String |       |
| 8                                                                                                                                                  | TSPX_ChRateH | IA5String |       |
| 9                                                                                                                                                  | TSPX_ChRateI | IA5String |       |
| 10                                                                                                                                                 | TSPX_ChRateJ | IA5String |       |
| References:                                                                                                                                        |              |           |       |
| TSPX_ChRateA is used in : TC_26_8_1_2_2_1, TC_26_8_1_2_3_4, TC_26_8_1_2_4_7, TC_26_8_1_2_8_1, TC_26_8_1_2_8_4, TC_26_8_1_3_3_2, TC_26_8_1_3_5_5.   |              |           |       |
| TSPX_ChRateB is used in : TC_26_8_1_2_2_2, TC_26_8_1_2_3_1, TC_26_8_1_2_3_5, TC_26_8_1_2_5_3, TC_26_8_1_2_8_2, TC_26_8_1_3_5_6.                    |              |           |       |
| TSPX_ChRateC is used in : TC_26_8_1_2_2_3, TC_26_8_1_2_3_2, TC_26_8_1_2_3_6, TC_26_8_1_2_5_4, TC_26_8_1_2_9_4, TC_26_8_1_3_4_1, TC_26_8_1_3_5_8.   |              |           |       |
| TSPX_ChRateD is used in : TC_26_8_1_2_3_3, TC_26_8_1_2_3_7, TC_26_8_1_2_4_11, TC_26_8_1_2_5_5, TC_26_8_1_2_9_5, TC_26_8_1_3_4_2.                   |              |           |       |
| TSPX_ChRateE is used in : TC_26_8_1_2_4_1, TC_26_8_1_2_4_8, TC_26_8_1_2_4_10, TC_26_8_1_2_4_12, TC_26_8_1_2_5_6, TC_26_8_1_2_5_8, TC_26_8_1_3_4_6. |              |           |       |
| TSPX_ChRateF is used in : TC_26_8_1_2_4_2, TC_26_8_1_2_4_9, TC_26_8_1_2_4_13, TC_26_8_1_2_5_1, TC_26_8_1_2_6_3, TC_26_8_1_2_7_4, TC_26_8_1_3_4_7.  |              |           |       |
| TSPX_ChRateG is used in : TC_26_8_1_2_4_3, TC_26_8_1_2_5_2, TC_26_8_1_2_5_7, TC_26_8_1_2_6_4, TC_26_8_1_2_7_5, TC_26_8_1_3_5_1.                    |              |           |       |
| TSPX_ChRateH is used in : TC_26_8_1_2_4_4, TC_26_8_1_2_6_1, TC_26_8_1_2_6_5, TC_26_8_1_2_7_1, TC_26_8_1_2_9_1, TC_26_8_1_3_5_2.                    |              |           |       |
| TSPX_ChRateI is used in : TC_26_8_1_2_4_5, TC_26_8_1_2_6_2, TC_26_8_1_2_7_2, TC_26_8_1_2_8_3, TC_26_8_1_2_9_2, TC_26_8_1_3_5_3.                    |              |           |       |
| TSPX_ChRateJ is used in : TC_26_8_1_2_4_6, TC_26_8_1_2_6_6, TC_26_8_1_2_7_3, TC_26_8_1_2_9_3, TC_26_8_1_3_5_4.                                     |              |           |       |

#### B.7.2.6.14 Parameters for Ciphering Algorithm

The parameters TSPX\_CphAlg's represent the Ciphering Algorithm. The item 1 to item 6 are used in test cases where the Algorithm are arbitrarily selected but controllable. The parameters can have any valid values supported by the MS under test without duplication. If the number of values supported by the MS is less than 7, duplicated values can be used for some of the items, but the item 4 and the item 5 shall be different ( when the number of the supported values is greater than 1). Item 7 is the default Algorithm used in the test cases where the algorithm is not specifically indicated. the meaning of the values is as following:

- '000'B represents the A5/1 algorithm;
- '001'B represents the A5/2 algorithm;
- '010'B represents the A5/3 algorithm;
- '011'B represents the A5/4 algorithm;
- '100'B represents the A5/5 algorithm;

- '101'B represents the A5/6 algorithm;
- '110'B represents the A5/7 algorithm;

**Table 211: Parameters for Ciphering Algorithm**

| Item                                                                                                                                                                                                                                                                                                                                         | Name           | Type         | Value |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------|-------|
| 1                                                                                                                                                                                                                                                                                                                                            | TSPX_CphAlgA   | BITSTRING[3] |       |
| 2                                                                                                                                                                                                                                                                                                                                            | TSPX_CphAlgB   | BITSTRING[3] |       |
| 3                                                                                                                                                                                                                                                                                                                                            | TSPX_CphAlgC   | BITSTRING[3] |       |
| 4                                                                                                                                                                                                                                                                                                                                            | TSPX_CphAlgD   | BITSTRING[3] |       |
| 5                                                                                                                                                                                                                                                                                                                                            | TSPX_CphAlgE   | BITSTRING[3] |       |
| 6                                                                                                                                                                                                                                                                                                                                            | TSPX_CphAlgF   | BITSTRING[3] |       |
| 7                                                                                                                                                                                                                                                                                                                                            | TSPX_CphAlgDef | BITSTRING[3] |       |
| References:<br>TSPX_CphAlgA is used in: TC_26_8_3, TC_26_8_4.<br>TSPX_CphAlgB is used in: TC_26_8_4.<br>TSPX_CphAlgC is used in: TC_26_8_4.<br>TSPX_CphAlgD is used in: TC_26_8_4.<br>TSPX_CphAlgE is used in: TC_26_8_4.<br>TSPX_CphAlgF is used in: No at this moment.<br>TSPX_CphAlgDef is used in: All structured procedures test cases, |                |              |       |

**B.7.2.6.15 Parameters for Training Sequence Code**

The parameters TSPX\_Tsc's represent the Training Sequence Code (TSC). The item 1 to item 8 are used in test cases where the TSC are arbitrarily selected but controllable. The parameters can have any valid values but they shall be different from each other. Item 1 is the default TSC used in the test cases where the TSC is not specifically indicated.

Table 212: Parameters for Training Sequence Code

| Item | Name        | Type         | Value |
|------|-------------|--------------|-------|
| 1    | TSPX_TscDef | BITSTRING[3] |       |
| 2    | TSPX_TscA   | BITSTRING[3] |       |
| 3    | TSPX_TscB   | BITSTRING[3] |       |
| 4    | TSPX_TscC   | BITSTRING[3] |       |
| 5    | TSPX_TscD   | BITSTRING[3] |       |
| 6    | TSPX_TscE   | BITSTRING[3] |       |
| 7    | TSPX_TscF   | BITSTRING[3] |       |
| 8    | TSPX_TscG   | BITSTRING[3] |       |

References:

TSPX\_TscA is used in: TC\_26\_6\_1\_1, TC\_26\_6\_1\_2, TC\_26\_6\_1\_4, TC\_26\_6\_1\_5, TC\_26\_6\_2\_1\_1, TC\_26\_6\_2\_1\_2, TC\_26\_6\_2\_1\_3, TC\_26\_6\_2\_5, TC\_26\_6\_3\_1, TC\_26\_6\_3\_2, TC\_26\_6\_3\_3, TC\_26\_6\_3\_4, TC\_26\_6\_3\_5, TC\_26\_6\_4\_1, TC\_26\_6\_4\_2\_1, TC\_26\_6\_4\_2\_2, TC\_26\_6\_5\_5\_1, TC\_26\_6\_5\_5\_2, TC\_26\_6\_5\_6, TC\_26\_6\_5\_7, TC\_26\_6\_5\_8, TC\_26\_6\_5\_9, TC\_26\_6\_6\_1, TC\_26\_6\_7\_1, TC\_26\_6\_7\_2, TC\_26\_6\_8\_1, TC\_26\_6\_8\_2, TC\_26\_6\_8\_3, TC\_26\_6\_8\_4, TC\_26\_6\_8\_5, TC\_26\_6\_11\_1, TC\_26\_6\_11\_2, TC\_26\_6\_12\_1, TC\_26\_6\_12\_2, TC\_26\_6\_12\_3, TC\_26\_6\_12\_4, TC\_26\_6\_13\_1, TC\_26\_6\_13\_2, TC\_26\_6\_13\_3, TC\_26\_6\_13\_4, TC\_26\_6\_13\_5, TC\_26\_6\_13\_6, TC\_26\_6\_13\_7, TC\_26\_6\_13\_8, TC\_26\_6\_13\_9, TC\_26\_6\_13\_10, TC\_26\_8\_1\_2\_3\_1, TC\_26\_8\_1\_2\_3\_2, TC\_26\_8\_1\_2\_3\_3, TC\_26\_8\_1\_2\_4\_1, TC\_26\_8\_1\_2\_4\_2, TC\_26\_8\_1\_2\_4\_3, TC\_26\_8\_1\_2\_4\_4, TC\_26\_8\_1\_2\_4\_5, TC\_26\_8\_1\_2\_4\_6, TC\_26\_8\_1\_2\_4\_7, TC\_26\_8\_1\_2\_4\_11, TC\_26\_8\_1\_2\_5\_3, TC\_26\_8\_1\_2\_5\_4, TC\_26\_8\_1\_2\_5\_5, TC\_26\_8\_1\_2\_5\_6, TC\_26\_8\_1\_2\_5\_8, TC\_26\_8\_1\_2\_6\_3, TC\_26\_8\_1\_2\_6\_4, TC\_26\_8\_1\_2\_6\_5, TC\_26\_8\_1\_2\_8\_3, TC\_26\_8\_1\_3\_5\_4, TC\_26\_8\_1\_3\_5\_5, TC\_26\_8\_1\_3\_5\_6.

TSPX\_TscB is used in: TC\_26\_6\_4\_1, TC\_26\_6\_5\_5\_1, TC\_26\_6\_5\_5\_2, TC\_26\_6\_5\_6, TC\_26\_6\_5\_7, TC\_26\_6\_5\_8, TC\_26\_6\_5\_9, TC\_26\_6\_6\_1, TC\_26\_6\_13\_1, TC\_26\_6\_13\_2, TC\_26\_6\_13\_6.

TSPX\_TscC is used in: TC\_26\_6\_4\_1, TC\_26\_6\_6\_1, TC\_26\_6\_13\_2, TC\_26\_6\_13\_7.

TSPX\_TscD is used in: TC\_26\_6\_4\_1, TC\_26\_6\_6\_1, TC\_26\_6\_13\_3, TC\_26\_6\_13\_7, TC\_26\_6\_13\_8.

TSPX\_TscE is used in: TC\_26\_6\_4\_1, TC\_26\_6\_6\_1, TC\_26\_6\_13\_3, TC\_26\_6\_13\_8.

TSPX\_TscF is used in: TC\_26\_6\_4\_1, TC\_26\_6\_6\_1, TC\_26\_6\_13\_4, TC\_26\_6\_13\_9.

TSPX\_TscG is used in: TC\_26\_6\_4\_1, TC\_26\_6\_6\_1, TC\_26\_6\_13\_4, TC\_26\_6\_13\_5, TC\_26\_6\_13\_10.

TSPX\_TscDef is used in: TC\_26\_5\_6\_3, TC\_26\_6\_4\_2\_2, TC\_26\_6\_5\_1\_1, TC\_26\_6\_5\_1\_2, TC\_26\_6\_5\_1\_3, TC\_26\_6\_5\_1\_4, TC\_26\_6\_5\_1\_5, TC\_26\_6\_5\_1\_6, TC\_26\_6\_5\_1\_7, TC\_26\_6\_5\_1\_8, TC\_26\_6\_5\_2\_1, TC\_26\_6\_5\_2\_2, TC\_26\_6\_5\_2\_3, TC\_26\_6\_5\_2\_4, TC\_26\_6\_5\_2\_5, TC\_26\_6\_5\_2\_6, TC\_26\_6\_5\_2\_7, TC\_26\_6\_5\_2\_8, TC\_26\_6\_5\_2\_9, TC\_26\_6\_5\_2\_10, TC\_26\_6\_5\_3\_1, TC\_26\_6\_5\_3\_2, TC\_26\_6\_5\_4\_1, TC\_26\_6\_5\_4\_2, TC\_26\_6\_5\_4\_3, TC\_26\_6\_5\_4\_4, TC\_26\_6\_6\_1, TC\_26\_6\_13\_5, TC\_26\_6\_13\_6, TC\_26\_7\_4\_1, TC\_26\_7\_4\_2\_2\_2, TC\_26\_7\_4\_2\_4\_1, TC\_26\_7\_4\_2\_4\_5, TC\_26\_7\_4\_3\_2, TC\_26\_7\_4\_3\_3, TC\_26\_7\_4\_3\_4, TC\_26\_7\_4\_5\_2, TC\_26\_7\_4\_5\_4\_1, TC\_26\_7\_4\_5\_4\_2, TC\_26\_7\_4\_5\_4\_3, TC\_26\_7\_4\_6, TC\_26\_7\_5\_2, TC\_26\_7\_5\_3, TC\_26\_7\_5\_4, TC\_26\_7\_5\_5, TC\_26\_7\_5\_6, TC\_26\_7\_5\_7\_1, TC\_26\_7\_5\_8\_1, TC\_26\_7\_5\_8\_2, TC\_26\_7\_5\_8\_3, TC\_34\_2\_1, TC\_34\_2\_2.

#### B.7.2.6.16 Parameters for Timing Advance

The parameters TSPX\_Timadv's represent the Timing Advance (TA). The item 1 to item 8 are used in test cases where the TA are arbitrarily selected but controllable. The parameters can have any valid values but they shall be different from each other. Item 9 is the default TA used in the test cases where the TA is not specifically indicated.

**Table 213: Parameters for Timing Advance**

| Item | Name           | Type         | Value |
|------|----------------|--------------|-------|
| 1    | TSPX_TimadvA   | BITSTRING[6] |       |
| 2    | TSPX_TimadvB   | BITSTRING[6] |       |
| 6    | TSPX_TimadvC   | BITSTRING[6] |       |
| 4    | TSPX_TimadvD   | BITSTRING[6] |       |
| 5    | TSPX_TimadvE   | BITSTRING[6] |       |
| 6    | TSPX_TimadvF   | BITSTRING[6] |       |
| 7    | TSPX_TimadvG   | BITSTRING[6] |       |
| 8    | TSPX_TimadvH   | BITSTRING[6] |       |
| 9    | TSPX_TimadvDef | BITSTRING[6] |       |

References:

TSPX\_TimadvA is used in: TC\_26\_9\_2, TC\_26\_9\_3, TC\_26\_9\_4, TC\_26\_9\_5, TC\_26\_9\_6\_1\_1, TC\_26\_9\_6\_1\_2, TC\_26\_9\_6\_2\_1, TC\_26\_9\_6\_2\_2.

TSPX\_TimadvB is used in: TC\_26\_6\_1\_2, TC\_26\_6\_2\_2, TC\_26\_2\_3\_1, TC\_26\_6\_2\_3\_2, TC\_26\_6\_5\_1\_2, TC\_26\_6\_5\_1\_4, TC\_26\_6\_5\_1\_5, TC\_26\_6\_5\_1\_6, TC\_26\_6\_5\_1\_7, TC\_26\_6\_5\_1\_8, TC\_26\_6\_5\_2\_1, TC\_26\_6\_5\_2\_2, TC\_26\_6\_5\_2\_3, TC\_26\_6\_5\_2\_4, TC\_26\_6\_5\_2\_5, TC\_26\_6\_5\_2\_6, TC\_26\_6\_5\_2\_7, TC\_26\_6\_5\_2\_8, TC\_26\_6\_5\_2\_9, TC\_26\_6\_5\_2\_10, TC\_26\_6\_5\_3\_1, TC\_26\_6\_5\_4\_1, TC\_26\_6\_5\_4\_2, TC\_26\_6\_5\_4\_3, TC\_26\_6\_5\_4\_4.

TSPX\_TimadvC is used in: TC\_26\_6\_5\_1\_2, TC\_26\_6\_5\_1\_5, TC\_26\_6\_5\_1\_7, TC\_26\_6\_5\_1\_8, TC\_26\_6\_5\_2\_4.

TSPX\_TimadvD is used in: No at this moment.  
 TSPX\_TimadvE is used in: No at this moment.  
 TSPX\_TimadvF is used in: No at this moment.  
 TSPX\_TimadvG is used in: No at this moment.  
 TSPX\_TimadvH is used in: No at this moment.  
 TSPX\_TimadvDef is used in: No at this moment.

**B.7.2.6.17 Parameter TSPX\_WaitForFac**

In test case TC\_31\_6\_1\_2, after the test system sends FACILITY message containing facility IE there are two possible execution paths, one is that the test system sends CONNECT ACKNOWLEDGE, another is that the test system waits for the FACILITY message from the MS. The parameter TSPX\_WaitForFac controls the execution path. If TSPX\_WaitForFac = FALSE the test system sends CONNECT ACKNOWLEDGE.

**Table 214: Parameter TSPX\_WaitForFac**

| Name            | Type    | Value |
|-----------------|---------|-------|
| TSPX_WaitForFac | BOOLEAN |       |

**B.7.2.6.18 Parameter TSPX\_WaitForConnACK**

In test case TC\_31\_6\_1\_5, after the test system sends CONNECT message there are two possible execution paths, one is that the test system sends FACILITY message containing facility IE, another is that the test system waits for the CONNECT ACKNOWLEDGE message from the MS. The parameter TSPX\_WaitForConnACK controls the execution path. If TSPX\_WaitForConnACK = FALSE the test system sends FACILITY message.

**Table 215: Parameter TSPX\_WaitForConnACK**

| Name                | Type    | Value |
|---------------------|---------|-------|
| TSPX_WaitForConnACK | BOOLEAN |       |

**B.7.2.6.19 Parameter TSPX\_PathH1**

In test case TC\_31\_6\_1\_7, after the second call (call C) established there are two possible execution paths, one is that the test system disconnects the call B (path I), another is that the test system disconnects the call C (path H). The parameter TSPX\_PathH1 controls the execution path. If TSPX\_PathH1 = FALSE the test system disconnects the call B.

**Table 216: Parameter TSPX\_PathH1**

| Name        | Type    | Value |
|-------------|---------|-------|
| TSPX_PathH1 | BOOLEAN |       |

**B.7.2.6.20 Parameter TSPX\_PathH2**

In test case TC\_31\_6\_1\_8, after multiparty call established there are two possible execution paths, one is that the test system disconnects the call B (path I), another is that the test system disconnects the call C (path H). The parameter TSPX\_PathH2 controls the execution path. If TSPX\_PathH2 = TRUE the test system disconnects the call C.

**Table 217: Parameter TSPX\_PathH2**

| Name        | Type    | Value |
|-------------|---------|-------|
| TSPX_PathH2 | BOOLEAN |       |

**B.7.2.7 Questions on antenna and power supply****B.7.2.7.1 Type of antenna****Table 218: Type of antenna**

| Item | Question                                                                                                                | Answer |
|------|-------------------------------------------------------------------------------------------------------------------------|--------|
| 1    | Is the antenna an integrated one without a connector ? if so what is the position for normal use ?                      |        |
| 2    | Is the antenna with a connector allowing the connection of an external antenna ? if so what is the in band impedance ?: |        |

**B.7.2.7.2 Power supply****Table 219: power supply**

| Item | Question                                                   | Answer |
|------|------------------------------------------------------------|--------|
| 1    | Which type of battery (if any) is used?                    |        |
| 2    | What is the end-point voltage(s) of battery(ies)(if any) ? |        |
| 3    | Which type of power supply is used ?                       |        |
| 4    | What is the nominal voltage(s) ?                           |        |
| 5    | What are the details of MS shut-down voltage ?             |        |



**B.7.2.7.3 External RF amplifier****Table 220: External RF amplifier**

| Item                 | Question                                                                                                                                                                                    | Answer |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 1                    | Does the MS support external RF amplifier ?                                                                                                                                                 |        |
| Detailed Description |                                                                                                                                                                                             |        |
|                      |                                                                                                                                                                                             |        |
| NOTE:                | If item 1 is supported, the client should declare the TSPX_ClassMark2Amp and provide detailed description of the means to change the RF power capabilities in the Detailed Description box. |        |

**B.7.2.7.4 SIM removal support****Table 221: SIM removal support**

| Item                 | Question                                                                                              | Supported(Y/N) |
|----------------------|-------------------------------------------------------------------------------------------------------|----------------|
| 1                    | Does the MS support SIM removal without disconnection of the power supply ?                           |                |
| Detailed Description |                                                                                                       |                |
|                      |                                                                                                       |                |
| NOTE:                | If item 1 is supported, the client should provide detailed description of how to remove the SIM card. |                |

**B.7.2.7.5 Parameter TSPX\_MaxCPDataRetx**

In TC\_34\_2\_1 and TC\_34\_2\_2 test cases, it is needed to know the Maximum CP Data retransmission times. The manufacturer shall provide the implemented value in the parameter.

**Table 222: Parameter TSPX\_MaxCPDataRetx**

|                 |                                              |
|-----------------|----------------------------------------------|
| Parameter Name  | TSPX_MaxCPDataRetx                           |
| Parameter Type  | INTEGER                                      |
| Parameter Value |                                              |
| References:     | TSPX_Txint is used in: TC_34_2_1, TC_34_2_2. |

**B.7.2.7.6 Parameter TSPX\_DTMFInd**

In TC\_26\_8\_1\_4\_1\_1 test case, it is needed to know if and the DTMF tone is indicated to the user. The manufacturer shall state whether the MS support the DTMF tone indication to user.

Table 223: Parameter TSPX\_DTMFInd

|                                                        |              |
|--------------------------------------------------------|--------------|
| Parameter Name                                         | TSPX_DTMFInd |
| Parameter Type                                         | BOOLEAN      |
| Parameter Value                                        |              |
| References:<br>TSPX_Txint is used in: TC_26_8_1_4_1_1. |              |

**B.7.2.7.7 Parameter TSPX\_CallCtrIcap**

The parameter TSPX\_CallCtrIcap specifies the value of Call Control Capabilities IE used in the test.

Table 224: Parameter TSPX\_CallCtrIcap

| Parameter Name: TSPX_CallCtrIcap |                |             |                                   |
|----------------------------------|----------------|-------------|-----------------------------------|
| Field                            | Type           | Value       | Comments                          |
| iei                              | BITSTRING[8]   | '00001000'B |                                   |
| iel                              | OCTETSTRING[1] | '01'O       | length of the IE in unit of OCTET |
| spb                              | BITSTRING[7]   | '_____'B    |                                   |
| dtmf                             | BITSTRING[1]   | '_'B        |                                   |
| References:                      |                |             |                                   |

**B.7.2.7.8 Parameter TSPX\_ClassMark1**

The parameter TSPX\_ClassMark1 specifies the value of Class Mark 1 IE used in the test.

Table 225: Parameter TSPX\_ClassMark1

| Parameter Name: TSPX_ClassMark1                                                       |              |       |                                       |
|---------------------------------------------------------------------------------------|--------------|-------|---------------------------------------|
| Field                                                                                 | Type         | Value | Comments                              |
| iei                                                                                   | BITSTRING[8] | OMIT  |                                       |
| spb1                                                                                  | BITSTRING[1] |       | spare bit                             |
| rl                                                                                    | BITSTRING[2] |       | revision level                        |
| spb2                                                                                  | BITSTRING[1] |       | spare bits or early sending indicator |
| a5_1                                                                                  | BITSTRING[1] |       | A5/1 algorithm supported              |
| rfpc                                                                                  | BITSTRING[3] |       | RF power capability                   |
| References:<br>TSPX_ClassMark1 is used in: TC_26_7_4_1, TC_26_7_4_3_2, TC_26_7_4_3_3. |              |       |                                       |

**B.7.2.7.9 Parameter TSPX\_ClassMark2**

The parameter TSPX\_ClassMark2 specifies the value of Class Mark 2 IE used in the test.

Table 226: Parameter TSPX\_ClassMark2

| Parameter Name: TSPX_ClassMark2                                                                                                                                                                                                                    |                |         |                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------|--------------------------------------|
| Field                                                                                                                                                                                                                                              | Type           | Value   | Comments                             |
| iei                                                                                                                                                                                                                                                | BITSTRING[8]   | OMIT    |                                      |
| iel                                                                                                                                                                                                                                                | OCTETSTRING[1] |         | length of the IE in unit of OCTET    |
| spr1                                                                                                                                                                                                                                               | BITSTRING[1]   | '_B     | spare bit                            |
| rl                                                                                                                                                                                                                                                 | BITSTRING[2]   | '__B    | revision level                       |
| spr2                                                                                                                                                                                                                                               | BITSTRING[1]   | '_B     | spare bit or early sending indicator |
| a5_1                                                                                                                                                                                                                                               | BITSTRING[1]   | '_B     | A5/1 algorithm supported             |
| rfpc                                                                                                                                                                                                                                               | BITSTRING[3]   | '___B   | RF power capability                  |
| spr3                                                                                                                                                                                                                                               | BITSTRING[1]   | '_B     | recommendaation                      |
| psc                                                                                                                                                                                                                                                | BITSTRING[1]   | '_B     | pseudo synchronization capability    |
| ssi                                                                                                                                                                                                                                                | BITSTRING[2]   | '__B    | SS screen indicator                  |
| smc                                                                                                                                                                                                                                                | BITSTRING[1]   | '_B     | short message capability             |
| spr4                                                                                                                                                                                                                                               | BITSTRING[2]   | '__B    | spare bits                           |
| fc                                                                                                                                                                                                                                                 | BITSTRING[1]   | '_B     | frequency capability                 |
| cm3                                                                                                                                                                                                                                                | BITSTRING[1]   | '_B     | class mark 3 indicator               |
| spr5                                                                                                                                                                                                                                               | BITSTRING[5]   | '_____B | spare bits                           |
| a5_3                                                                                                                                                                                                                                               | BITSTRING[1]   | '_B     | A5/3 algorithm supported             |
| a5_2                                                                                                                                                                                                                                               | BITSTRING[1]   | '_B     | A5/2 algorithm supported             |
| References:<br>TSPX_ClassMark2 is used in: TC_26_6_11_1, TC_26_6_11_2, TC_26_7_3_2, TC_26_8_2_1, TC_26_9_4, TC_26_9_5, TC_26_9_6_2_1, TC_26_9_2_2, TC_31_6_2_4.<br>NOTE: RF power capability is the power capability without external RF amplifier |                |         |                                      |

**B.7.2.7.10 Parameter TSPX\_ClassMark2Amp**

The parameter TSPX\_ClassMark2 specifies the value of Class Mark 2 IE used in the test.

Table 227: Parameter TSPX\_ClassMark2Amp

| Parameter Name: TSPX_ClassMark2Amp                                                                                                          |                |         |                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------|--------------------------------------|
| Field                                                                                                                                       | Type           | Value   | Comments                             |
| iei                                                                                                                                         | BITSTRING[8]   | OMIT    |                                      |
| iel                                                                                                                                         | OCTETSTRING[1] |         | length of the IE in unit of OCTET    |
| spr1                                                                                                                                        | BITSTRING[1]   | '_B     | spare bit                            |
| rl                                                                                                                                          | BITSTRING[2]   | '__B    | revision level                       |
| spr2                                                                                                                                        | BITSTRING[1]   | '_B     | spare bit or early sending indicator |
| a5_1                                                                                                                                        | BITSTRING[1]   | '_B     | A5/1 algorithm supported             |
| rfpc                                                                                                                                        | BITSTRING[3]   | '___B   | RF power capability                  |
| spr3                                                                                                                                        | BITSTRING[1]   | '_B     | recommendaation                      |
| psc                                                                                                                                         | BITSTRING[1]   | '_B     | pseudo synchronization capability    |
| ssi                                                                                                                                         | BITSTRING[2]   | '__B    | SS screen indicator                  |
| smc                                                                                                                                         | BITSTRING[1]   | '_B     | short message capability             |
| spr4                                                                                                                                        | BITSTRING[2]   | '__B    | spare bits                           |
| fc                                                                                                                                          | BITSTRING[1]   | '_B     | frequency capability                 |
| cm3                                                                                                                                         | BITSTRING[1]   | '_B     | class mark 3 indicator               |
| spr5                                                                                                                                        | BITSTRING[5]   | '_____B | spare bits                           |
| a5_3                                                                                                                                        | BITSTRING[1]   | '_B     | A5/3 algorithm supported             |
| a5_2                                                                                                                                        | BITSTRING[1]   | '_B     | A5/2 algorithm supported             |
| References:<br>TSPX_ClassMark2Amp is used in: TC_26_6_11_1.<br>NOTE: RF power capability is the power capability with external RF amplifier |                |         |                                      |

**B.7.2.7.11 Parameter TSPX\_ClassMark3**

The parameter TSPX\_ClassMark3 specifies the value of Class Mark 3 IE used in the test..

Table 228: Parameter TSPX\_ClassMark3

| Parameter Name: TSPX_ClassMark3                           |                 |             |                                   |
|-----------------------------------------------------------|-----------------|-------------|-----------------------------------|
| Field                                                     | Type            | Value       | Comments                          |
| iei                                                       | BITSTRING[8]    | '00100000'B | '00100000'B                       |
| iel                                                       | OCTETSTRING[1]  | '_'O        | length of the IE in unit of OCTET |
| spr1                                                      | BITSTRING[4]    | '____'B     | spare bits                        |
| a5_7                                                      | BITSTRING[1]    | '_'B        | A5_7 algorithm supported          |
| a5_6                                                      | BITSTRING[1]    | '_'B        | A5_6 algorithm supported          |
| a5_5                                                      | BITSTRING[1]    | '_'B        | A5_5 algorithm supported          |
| a5_4                                                      | BITSTRING[1]    | '_'B        | A5_4 algorithm supported          |
| spr2                                                      | OCTETSTRING[11] |             | spare bits                        |
| References:<br>TSPX_ClassMark3 is used in : TC_26_6_11_2. |                 |             |                                   |

### B.7.2.8 Test Suite Timer Values

The client shall specify the values for the following timers based on the explanation below.

Table 229: Test Suite Timer Values

| Item                                              | Name          | Value | Comments                                    |
|---------------------------------------------------|---------------|-------|---------------------------------------------|
| 1                                                 | TSPX_T3122    |       | value is coded in HEXSTRING[2]              |
| 2                                                 | TSPX_T3210    |       | value for timer T3210 in INTEGER            |
| 3                                                 | TSPX_T3211min |       | 90% of the value for timer T3211 in INTEGER |
| 4                                                 | TSPX_T3211_80 |       | 80% of the value for timer T3211 in INTEGER |
| 5                                                 | TSPX_T3213min |       | 90% of the value for timer T3213 in INTEGER |
| 6                                                 | TSPX_T3230min |       | 90% of the value for timer T3230 in INTEGER |
| 7                                                 | TSPX_T3240min |       | 90% of the value for timer T3240 in INTEGER |
| 8                                                 | TSPX_T3240tol |       | tolerance of timer T3240 in INTEGER         |
| 9                                                 | TSPX_TC1M     |       | value for timer TC1M in INTEGER             |
| NOTE: The unit of the above parameters is second. |               |       |                                             |

### B.7.2.9 Man machine interface

The manufacturer shall describe the man machine interface in the following tables:

- Description of manual entry and display of a called number:

|  |
|--|
|  |
|--|

- Description of the basic way to send a call manually:

|  |
|--|
|  |
|--|

- Description of the basic way to take a call manually:

|  |
|--|
|  |
|--|

- Description of the basic way to end a call manually:

- Description of the basic way to send an emergency call manually:

- Description of the basic way to send DTMF manually:

- Description of the manual PLMN selector:

- Description of the automatic PLMN selector:

- Description of the indication of the country:

- Description of the indication of the available PLMN:

- Description of the indication of the automatic registration to a PLMN:

- Description of the service indicator:

- Description of the management of the SIM by the user:
  - . keying PIN and changing PIN,
  - . indication of acceptance or rejection of keyed PIN,
  - . indication of blocked SIM,
  - . indication of successful unblocking of the SIM,
  - . storing an abbreviated number,
  - . displaying an abbreviated number.

- Description of the selection of the hands free:

- Description of the volume control:

- Description of local barring of outgoing calls:

- Description of prevention of unauthorized calls:

- Description of the auto calling management:

- . selection of the auto calling,
- . indication that the call failed and a re-try is attempted,
- . indication that the call finally failed.

- Description of the way in which the MS generates an MS originated NOTIFY, if supported:

- Description of the basic procedure to display a MT SM:

- Description of the basic procedure to send a MO SM:

- Description of the basic procedure to display a cell broadcasted SM:

- Description of the user's commands and of display of the answers from the network for call forwarding:

- Description of the method of reading ACM from the SIM via the ME:

- Description of type of user indication when ACMM exceeded:

- Description of the user's commands and of display of the answers from the network for call barring:

- Description of the way to empty short message storage:

- Description of the way to control the MS so that the class 1 short message will be stored in the ME:



## Annex C: PCTR Proforma

**PROTOCOL**  
**Conformance Test Report**  
**(PCTR)**

Global System for Mobile Communication, GSM,  
User-Network Access

**Layer 3 Signalling Functions**

|                |          |
|----------------|----------|
| Test Candidate |          |
| Name :         | SUT name |
| Model :        | model    |
| H/W version :  | hw       |
| S/W version :  | sw       |
| Serial No. :   | serienr  |

|                     |  |
|---------------------|--|
| Client              |  |
| Name :              |  |
| Street / No. :      |  |
| Postal Code / City: |  |
| Country :           |  |

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**History**

| <b>Document history</b> |                                                |        |                          |
|-------------------------|------------------------------------------------|--------|--------------------------|
| December 1995           | Public Enquiry                                 | PE 97: | 1995-12-04 to 1996-03-29 |
| May 1996                | Vote                                           | V 103: | 1996-05-20 to 1996-07-26 |
| August 1996             | Unified Approval Procedure<br>(Second Edition) | UAP 52 | 1996-08-19 to 1996-12-13 |
|                         |                                                |        |                          |
|                         |                                                |        |                          |